

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/8 4/2  
MOSULP-0, CHEJU-DO, KOREA. REVISED UNIFORM SUMMARY OF SURFACE W--ETC(U)  
FEB 68  
USAFETAC/DS-80-067

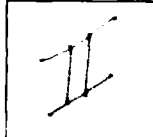
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5195  
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AD A088941

DATA PROCESSING DIVISION  
ETAC, USAF  
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

MOSULP-0 KOREA/CHEJU-DO ROK K-39  
N 33 12 E 126 13 ELEV 43 FT RKPM

WBAN #43263  
WMO #47187

PARTS A-F

POR FROM HOURLY OBS AUG 54-JUN 66, AUG 66-JUL 67  
POR FROM DAILY OBS AUG 54-SEP 65, JAN-JUN, AUG-OCT 66

R 1 MAR 68  
CL 9599 27 FEB 1968

FEDERAL BUILDING  
ASHEVILLE, N. C.

DECLASSIFIED

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USAFETAC/DS- 80/067

Final report

[illegible]

27 Feb, 68

UNCLASSIFIED

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

Atmospheric pressure  
Extreme surface winds  
Psychrometric summary  
Ceiling versus visibility  
(over)

This report is a six-part statistical summary of surface weather observations for Mosulp-O, Cheju-do, Korea. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

## NOTES

$$A^* = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0 \end{pmatrix} \quad A^* = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0 \end{pmatrix} \quad A^* = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0 \end{pmatrix} \quad A^* = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0 \end{pmatrix}$$



UNCLASSIFIED

19. Percentage frequency or distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency or distribution tables

\* Korea

\*Mosulp-0, ROK K-39, Korea

20. and dew point temperatures and relative humidity; and (F) Pressure  
Summary (means, standard deviation, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency or coloring tables.

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

[illegible]

6

3

1. NAME OF STATION: \_\_\_\_\_

2. LOCATION: \_\_\_\_\_

3. DATE OF OBSERVATION: \_\_\_\_\_

4. NAME OF OBSERVER: \_\_\_\_\_

5. NAME OF STATION: \_\_\_\_\_

PART 1: WIND DIRECTION AND SPEED

PART 2: CLOUDS  
CLOUDS  
CLOUDS

PART 3: WIND DIRECTION AND SPEED

PART 4: WIND DIRECTION AND SPEED

PART 5: WIND DIRECTION AND SPEED  
WIND DIRECTION AND SPEED  
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WIND DIRECTION AND SPEED

PART 6: WIND DIRECTION AND SPEED  
WIND DIRECTION AND SPEED

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

# Revised UNIFORM SUMMARY of SURFACE WEATHER OBSERVATIONS

## DESCRIPTION OF SUMMARIES:

Preceding each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

HOURLY OBSERVATIONS are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

STANDARD 3-HOUR GROUPS All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_  
FEBRUARY \_\_\_\_\_  
MARCH \_\_\_\_\_

APRIL \_\_\_\_\_  
MAY \_\_\_\_\_  
JUNE \_\_\_\_\_

JULY \_\_\_\_\_  
AUGUST \_\_\_\_\_  
SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_  
NOVEMBER \_\_\_\_\_  
DECEMBER \_\_\_\_\_

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

A

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combination of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

3

STATION NAME  
STATION NUMBER  
STATION TYPE

## WEATHER CONDITIONS

STATION NAME STATION NUMBER STATION TYPE  
STATION NAME STATION NUMBER STATION TYPE  
STATION NAME STATION NUMBER STATION TYPE  
STATION NAME STATION NUMBER STATION TYPE

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JAN    | 12                | .1                 | 2.7                       |                                  | 1.4                     |      | 1.1                         | 1.7  | .                       | 3.1             |                        | 1.4                                | 17                    |
| FEB    | 12                |                    | 5.2                       |                                  | 2.5                     |      | 11.7                        | 5.2  | .1                      | 1.              |                        | 1.5                                | 7                     |
| MAR    | 12                | .1                 | 12.7                      |                                  | .1                      |      | 11.1                        | 11.9 | 1.1                     | .1              |                        | 11.1                               | 17                    |
| APR    | 12                | .1                 | 14.7                      |                                  | .                       |      | 14.5                        | 11.6 | .                       |                 |                        | 11.6                               | 17                    |
| MAY    | 12                | .1                 | 11.3                      |                                  |                         |      | 11.7                        | 17.1 | .1                      |                 |                        | 11.6                               | 17                    |
| JUN    | 12                | .1                 | 13.                       |                                  |                         |      | 11.1                        | 14.9 | .1                      |                 |                        | 11.7                               | 17                    |
| JUL    | 12                | .1                 | 11.1                      |                                  |                         |      | 11.1                        | 6.1  | .1                      |                 |                        | 10.7                               | 17                    |
| AUG    | 12                | .4                 | 7.1                       |                                  |                         |      | 7.1                         | 7.1  | .1                      |                 |                        | 1.1                                | 17                    |
| SEP    | 12                | .1                 | 6.1                       |                                  |                         |      | 6.1                         | 6.1  | .1                      |                 |                        | 1.1                                | 17                    |
| OCT    | 12                | .1                 | 3.7                       |                                  |                         |      | 1.7                         | 2.1  | .                       |                 |                        | 1.1                                | 17                    |
| NOV    | 12                | .1                 | 5.1                       |                                  | .1                      |      | 5.1                         | 3.1  | .                       |                 |                        | 5.1                                | 17                    |
| DEC    | 12                | .                  | 5.                        |                                  | 5.1                     | .1   | 6.1                         | 1.1  | .                       | .7              |                        | 1.1                                | 7                     |
| TOTALS |                   | .1                 | 7.7                       |                                  | 1.5                     | .1   | 10.2                        | 12.1 | .1                      | .4              | .                      | 11.1                               | 11117                 |



3

STATION NO. 1  
 STATION NAME  
 STATION, STATE

# WEATHER CONDITIONS

STATION NO. 1 STATION NAME STATION, STATE

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF OBSERVATIONS OF WEATHER CONDITIONS  
 BASED ON ALL OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| 1-1    | 1                 | 0.1                | 0.1                       |                                   | 11.7                    |      | 18.1                        | 0.7 |                         | 2.1             |                        | 0.7                                | 1                      |
| 1-2    | 2                 |                    | 0.1                       |                                   | 12.1                    |      | 19.1                        | 0.7 |                         | 3.1             |                        | 11.0                               | 12.1                   |
| 1-3    | 3                 |                    | 0.1                       |                                   | 11.7                    |      | 18.1                        | 0.8 | 0.1                     | 2.7             |                        | 11.0                               | 12.1                   |
| 1-4    | 4                 |                    | 0.1                       |                                   | 11.7                    |      | 18.1                        | 0.7 | 0.2                     | 3.1             |                        | 11.0                               | 12.1                   |
| 1-5    | 5                 |                    | 0.1                       |                                   | 11.7                    |      | 18.1                        | 0.7 | 0.1                     | 2.5             |                        | 11.0                               | 12.1                   |
| 1-6    | 6                 |                    | 0.1                       |                                   | 11.7                    |      | 17.1                        | 0.5 | 1.1                     | 3.1             |                        | 11.0                               | 12.1                   |
| 1-7    | 7                 |                    | 0.1                       |                                   | 11.7                    |      | 18.1                        | 0.9 | 0.0                     | 2.1             |                        | 11.0                               | 12.1                   |
| 1-8    | 8                 |                    | 0.1                       |                                   | 11.7                    |      | 14.0                        | 0.1 | 0.0                     | 2.1             |                        | 11.0                               | 12.1                   |
| 1-9    | 9                 |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                        |
| 1-10   | 10                |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                        |
| 1-11   | 11                |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                        |
| 1-12   | 12                |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                        |
| TOTALS |                   | 0.1                | 0.1                       |                                   | 11.7                    |      | 17.1                        | 7.0 | 0.3                     | 3.1             |                        | 11.0                               | 12.1                   |

3

## WEATHER CONDITIONS

!

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF TYPICAL FORMS  
FROM GROUPS OF SURVEYS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| 1-2    | 1-2               |                    | 2.7                       |                                  | 4.1                     |      | 1.0                         | 7.8 | .0                      | 1.1             |                        | 1.4                                | 11                    |
| 3-5    | 3-5               |                    | 7.0                       |                                  | 4.2                     |      | 11.0                        | 8.4 | .0                      | 1.1             |                        | 1.0                                | 11                    |
| 6-8    | 6-8               |                    | 0.1                       |                                  | 4.2                     |      | 12.6                        | 0.4 | .0                      | 1.4             |                        | 0.4                                | 11                    |
| 9-11   | 9-11              |                    | 7.0                       |                                  | 0.4                     |      | 12.0                        | 6.0 | .0                      | 1.5             |                        | 0.4                                | 11                    |
| 12-14  | 12-14             |                    | 7.0                       |                                  | 0.0                     |      | 11.4                        | 4.0 | 1.0                     | 1.0             |                        | 0.0                                | 11                    |
| 15-17  | 15-17             |                    | 7.0                       |                                  | 0.1                     |      | 10.1                        | 5.8 | .0                      | .6              |                        | 1.0                                | 11                    |
| 18-20  | 18-20             |                    | 0.0                       |                                  | 0.4                     |      | 0.0                         | 0.0 | .0                      | .7              |                        | 0.4                                | 11                    |
| 21-23  | 21-23             |                    | 0.1                       |                                  | 4.0                     |      | 7.1                         | 0.0 | 1.0                     | .5              |                        | 7.0                                | 11                    |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |                 |                        |                                    |                       |
| TOTALS |                   |                    | 1.0                       |                                  | 1.0                     |      | 1.0                         | 0.0 | .7                      | 1.1             |                        | 0.0                                | 11                    |

3

STATION NUMBER 1210 WS  
 NAME OF STATION  
 AIR VILLAGE, N. C. 28002

# WEATHER CONDITIONS

PERIOD FOR WHICH DATA ARE REQUIRED: FROM 4/1/50 TO 3/31/57

STATION

STATION NAME

YEARS

MONTH

REMARKS: RECORD OF ALL WEATHER CONDITIONS  
 PREVIOUSLY OBSERVED

| MONTH  | HOURS<br>(U.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| 1-3    |                   | .1                 | 2.7                       |                                  | .4                      |      | 1.4                         | 6.7  | 1.4                     | .1              |                        | 1.6                                | 1.1                   |
| 4-6    |                   | .1                 | 9.1                       |                                  | .1                      |      | 1.3                         | 1.8  | 1.7                     | .1              |                        | 2.1                                | 1.4                   |
| 7-9    |                   |                    | 11.7                      |                                  | .1                      |      | 11.6                        | 11.2 | 1.7                     | .1              |                        | 12.6                               | 1.8                   |
| 10-11  |                   |                    | 6.6                       |                                  | .1                      |      | 7.7                         | 9.3  | 1.7                     |                 |                        | 1.4                                | 1.7                   |
| 12-14  |                   |                    | 8.7                       |                                  | .7                      |      | 9.4                         | 9.1  | 2.2                     |                 |                        | 11.2                               | 1.9                   |
| 15-17  |                   | .2                 | 9.1                       |                                  | .1                      |      | 9.3                         | 6.3  | 1.7                     | .1              |                        | 11.1                               | 12.6                  |
| 18-20  |                   | .1                 | 6.2                       |                                  | .1                      |      | 9.2                         | 9.8  | 1.5                     | .1              |                        | 1.4                                | 1.7                   |
| 21-23  |                   |                    | 9.3                       |                                  | .1                      |      | 14.0                        | 9.7  | 1.7                     | .1              |                        | 11.5                               | 12.8                  |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                       |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                       |
| TOTALS |                   | .1                 | 3.5                       |                                  | .5                      |      | 10.0                        | 9.7  | 1.7                     | .1              |                        | 11.5                               | 9.71                  |

# WEATHER CONDITIONS

STATION NAME  
 STATION NUMBER  
 CITY, STATE, COUNTRY

PERIOD OF RECORD: FROM 1/1/51 TO 12/31/57

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM RECORD OF STATION

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN    | -                 |                    | 16.4                      |                                  |                         |      | 16.4                        | 21.7 | .7                      |                 |                        | 3.2                                | 171                     |
| FEB    | -                 | .1                 | 16.1                      |                                  |                         |      | 16.2                        | 21.1 | .7                      |                 |                        | 3.2                                | 171                     |
| MAR    | -                 | .1                 | 17.4                      |                                  |                         |      | 17.4                        | 25.6 | 1.0                     |                 |                        | 6.7                                | 174                     |
| APR    | -11               |                    | 16.1                      |                                  | .1                      |      | 16.2                        | 21.4 | 1.5                     |                 |                        | 3.0                                | 171                     |
| MAY    | 12-14             | .1                 | 12.7                      |                                  | .1                      |      | 12.8                        | 14.4 | 1.0                     |                 |                        | 1.5                                | 171                     |
| JUN    | 1-17              | .2                 | 12.9                      |                                  |                         |      | 12.9                        | 17.8 | 1.0                     |                 |                        | 1.0                                | 171                     |
| JUL    | 1-7               |                    | 14.9                      |                                  | .1                      |      | 14.9                        | 21.1 | .9                      |                 |                        | 11.2                               | 171                     |
| AUG    | 1-3               |                    | 12.9                      |                                  |                         |      | 12.9                        | 21.1 | .9                      |                 |                        | 11.6                               | 171                     |
| SEP    |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| OCT    |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| NOV    |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| DEC    |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | .1                 | 14.7                      |                                  | .1                      |      | 14.9                        | 21.6 | .8                      |                 |                        | 22.6                               | 171                     |



3

UNITED STATES DEPARTMENT OF COMMERCE  
NATIONAL WEATHER SERVICE  
OFFICE OF THE DIRECTOR, WASHINGTON, D.C.

# WEATHER CONDITIONS

STATION NAME: [Blank] YEARS: [Blank]

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF OBSERVATIONS OF WEATHER CONDITIONS  
FOR EACH MONTH (BASED ON 100 OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | THUNDER<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS. WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|-------------------|---------------------------|----------------------------------|-------------------------|------|------------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| 1-1    |                   | .1                | 13.7                      |                                  |                         |      | 13.8                         | 14.6 |                         |                 |                        | 14.7                               | 14.7                    |
| 1-2    |                   |                   | 13.7                      |                                  |                         |      | 13.8                         | 14.4 | .6                      |                 |                        | 14.8                               | 14.8                    |
| 1-3    |                   | .1                | 13.7                      |                                  |                         |      | 13.8                         | 14.6 | .6                      |                 |                        | 14.9                               | 14.9                    |
| 1-4    |                   | .1                | 13.7                      |                                  |                         |      | 13.8                         | 15.0 | .6                      |                 |                        | 15.1                               | 15.1                    |
| 1-5    |                   | .1                | 13.7                      |                                  |                         |      | 13.8                         | 14.9 | 1.2                     |                 |                        | 15.9                               | 15.9                    |
| 1-6    |                   |                   | 13.7                      |                                  |                         |      | 13.8                         | 14.6 | 1.7                     |                 |                        | 16.1                               | 16.1                    |
| 1-7    |                   |                   | 13.7                      |                                  |                         |      | 13.8                         | 15.0 | .7                      |                 |                        | 15.5                               | 15.5                    |
| 1-8    |                   | .1                | 13.7                      |                                  |                         |      | 13.8                         | 14.6 | .7                      |                 |                        | 15.1                               | 15.1                    |
| TOTALS |                   | .4                | 11.3                      |                                  |                         |      | 11.3                         | 17.1 | .6                      |                 |                        | 11.6                               | 11.7                    |

3

STATION NAME - DIVISION  
 STATION, NAME  
 CITY, STATE, U. S. ZIP CODE

## WEATHER CONDITIONS

STATION NUMBER - MONTH - YEAR - DAY - TIME - 7

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 (EXCEPTLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JAN    | 1-1               |                    | 12.0                      |                                  |                         |      | 12.0                        | 26.6 |                         |                 |                        | 26.6                               | 1.7                    |
|        | 1-2               | .1                 | 15.0                      |                                  |                         |      | 15.0                        | 27.1 |                         |                 |                        | 27.1                               | 1.7                    |
|        | 1-3               | .2                 | 15.0                      |                                  |                         |      | 15.0                        | 29.7 | .2                      |                 |                        | 29.7                               | 1.7                    |
|        | 1-4               | .2                 | 12.0                      |                                  |                         |      | 12.0                        | 21.1 | .2                      |                 |                        | 21.1                               | 1.7                    |
|        | 1-5               | .1                 | 11.0                      |                                  |                         |      | 11.0                        | 18.9 | .1                      |                 |                        | 18.9                               | 1.7                    |
|        | 1-6               |                    | 11.0                      |                                  |                         |      | 11.0                        | 20.7 | .2                      |                 |                        | 20.7                               | 1.7                    |
|        | 1-7               |                    | 12.0                      |                                  |                         |      | 12.0                        | 24.2 | .3                      |                 |                        | 24.2                               | 1.7                    |
|        | 1-8               |                    | 12.0                      |                                  |                         |      | 12.0                        | 26.7 | .4                      |                 |                        | 26.7                               | 1.7                    |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                        |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                        |
| TOTALS |                   | .1                 | 13.0                      |                                  |                         |      | 13.0                        | 24.9 | .5                      |                 |                        | 25.0                               | 1.7                    |

3  
 NEW BRIDGE  
 NEW BRIDGE  
 NEW BRIDGE

# WEATHER CONDITIONS

STATION NAME STATION NUMBER YEARS MONTH

STATION NAME STATION NUMBER YEARS MONTH

| MONTH  | HOURS (L.S.T.) | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG  | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|----------------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|------|-------------------|--------------|------------------|------------------------------|------------------|
| JAN    | -              | .4             | 11.7                |                            |                   |      | 11.3                  | 7.7  |                   |              |                  | 7.1                          | 11.3             |
| FEB    | -              | .4             | 12.5                |                            |                   |      | 12.5                  | 11.7 |                   |              |                  | 11.7                         | 12.5             |
| MAR    | -12            | .4             | 13.7                |                            |                   |      | 13.7                  | 46.8 |                   |              |                  | 46.8                         | 13.7             |
| APR    | -1             | .7             | 12.5                |                            |                   |      | 12.5                  | 18.7 | .5                |              |                  | 18.7                         | 12.5             |
| MAY    | 11-14          | .4             | 11.4                |                            |                   |      | 11.4                  | 12.1 | .5                |              |                  | 12.1                         | 11.4             |
| JUN    | 11-14          | .1             | 1.5                 |                            |                   |      | 1.5                   | 11.5 | .5                |              |                  | 11.5                         | 1.5              |
| JUL    | 11-14          | .1             | 7.5                 |                            |                   |      | 7.5                   | 2.4  | .5                |              |                  | 2.4                          | 7.5              |
| AUG    | 11-14          | .7             | 1.5                 |                            |                   |      | 1.5                   | 11.6 | .4                |              |                  | 11.6                         | 1.5              |
| SEPT   |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                  |
| OCT    |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                  |
| NOV    |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                  |
| DEC    |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                  |
| TOTALS |                | .7             | 11.1                |                            |                   |      | 11.1                  | 16.5 | .4                |              |                  | 16.5                         | 11.1             |

3

STATION NO. 1-101  
 STATION NAME  
 STATION TYPE

# WEATHER CONDITIONS

STATION NO. 1-101 / STATION NAME

STATION

STATION NAME

YEARS

MONTH

WEATHER CONDITIONS FOR THE YEAR OF 1961  
 FROM MONTHLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| 1      | -                 | .1                 | 7.1                       |                                   |                         |      | 7.1                         | 0.0 |                         |                 |                        | .1                                 | 7                       |
| 2      | -                 | .4                 | 7.7                       |                                   |                         |      | 7.7                         | 0.0 |                         |                 |                        | .4                                 | 7                       |
| 3      | -                 | .1                 | 9.1                       |                                   |                         |      | 9.1                         | 0.0 | .1                      |                 |                        | 0.1                                | 2                       |
| 4      | -                 | .5                 | 9.5                       |                                   |                         |      | 9.5                         | 0.0 | .1                      |                 |                        | .4                                 | 2                       |
| 5      | 17-19             | .1                 | 7.1                       |                                   |                         |      | 7.1                         | 0.0 |                         |                 |                        | 0.1                                | 2                       |
| 6      | 17-17             | .1                 | 7.1                       |                                   |                         |      | 7.1                         | 0.0 |                         |                 |                        | 0.1                                | 2                       |
| 7      | 17-1              | .1                 | 9.1                       |                                   |                         |      | 9.1                         | 0.0 | .1                      |                 |                        | 0.1                                | 2                       |
| 8      | 17-1              | .1                 | 7.1                       |                                   |                         |      | 7.1                         | 0.0 | .1                      |                 |                        | 0.1                                | 2                       |
| 9      |                   |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                         |
| 10     |                   |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                         |
| 11     |                   |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                         |
| 12     |                   |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                         |
| TOTALS |                   | .4                 | 7.1                       |                                   |                         |      | 7.1                         | 0.0 | .1                      |                 |                        | 0.1                                | 7                       |

3

## WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

| MONTH  | HOURS<br>(U.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| 1-2    | 1-2               | 1.4                | 7.1                       |                                   |                         |      | 7.1                         | 6.1 |                         |                 |                        | 1.1                                | 1.7                   |
| 3-4    | 3-4               | 1.4                | 6.4                       |                                   |                         |      | 6.4                         | 6.4 |                         |                 | 1.1                    | 1.1                                | 1.7                   |
| 5-6    | 5-6               | 1.4                | 9.1                       |                                   |                         |      | 9.1                         | 6.1 |                         |                 |                        | 1.1                                | 1.7                   |
| 7-8    | 7-8               | 1.4                | 6.1                       |                                   |                         |      | 6.1                         | 6.1 |                         |                 | 1.1                    | 1.1                                | 1.7                   |
| 9-10   | 9-10              | 1.4                | 11.1                      |                                   |                         |      | 11.1                        | 6.7 | 1.1                     |                 |                        | 1.1                                | 1.7                   |
| 11-12  | 11-12             | 1.4                | 11.1                      |                                   |                         |      | 11.1                        | 6.9 | 1.1                     |                 |                        | 1.1                                | 1.7                   |
| 1-2    | 1-2               |                    | 6.1                       |                                   |                         |      | 6.1                         | 6.4 | 1.1                     |                 |                        | 1.1                                | 1.7                   |
| 3-4    | 3-4               |                    | 6.1                       |                                   |                         |      | 6.1                         | 4.7 |                         |                 |                        | 1.1                                | 1.7                   |
| 5-6    | 5-6               |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                       |
| 7-8    | 7-8               |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                       |
| 9-10   | 9-10              |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                       |
| 11-12  | 11-12             |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                       |
| TOTALS |                   | 1.4                | 6.1                       |                                   |                         |      | 6.1                         | 6.8 | 1.1                     |                 |                        | 1.1                                | 1.7                   |

STATION NO. 111111  
 STATION NAME  
 CITY, STATE

# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

NOTE: WEATHER DATA FOR THIS FORM IS TO BE ENTERED ONLY FOR THE MONTHS OF JANUARY THROUGH DECEMBER.

| MONTH  | HOURS (LST) | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|-------------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|-----|-------------------|--------------|------------------|------------------------------|------------------|
| 1-12   |             |                | 2.7                 |                            |                   |      | 3.7                   | 2.7 |                   |              |                  | 2.7                          |                  |
| 1-12   |             | .1             | 3.7                 |                            |                   |      | 3.7                   | 2.7 |                   |              |                  | 2.7                          |                  |
| 1-12   |             | .1             | 4.7                 |                            |                   |      | 4.7                   | 3.7 |                   |              |                  | 3.7                          |                  |
| 1-12   |             | .2             | 3.7                 |                            |                   |      | 3.7                   | 2.7 |                   |              |                  | 2.7                          |                  |
| 1-12   |             |                | 3.7                 |                            |                   |      | 3.7                   | 2.7 | .1                |              |                  | 2.7                          | 2.7              |
| 1-12   |             |                | 2.7                 |                            |                   |      | 2.7                   | 2.7 | .1                |              |                  | 2.7                          | 2.7              |
| 1-12   |             |                | 4.7                 |                            |                   |      | 3.7                   | 2.7 |                   |              |                  | 2.7                          |                  |
| 1-12   |             | .2             | 4.7                 |                            |                   |      | 4.7                   | 2.7 |                   |              |                  | 2.7                          |                  |
|        |             |                |                     |                            |                   |      |                       |     |                   |              |                  |                              |                  |
|        |             |                |                     |                            |                   |      |                       |     |                   |              |                  |                              |                  |
|        |             |                |                     |                            |                   |      |                       |     |                   |              |                  |                              |                  |
|        |             |                |                     |                            |                   |      |                       |     |                   |              |                  |                              |                  |
| TOTALS |             | .1             | 3.7                 |                            |                   |      | 3.7                   | 2.7 |                   |              |                  | 2.7                          | 2.7              |

3

STATION NAME  
 STATION NUMBER  
 CITY, STATE, COUNTRY

# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF WEATHER CONDITIONS OCCURRING  
 BASED ON TOTAL OBSERVATIONS

| MONTH  | HOURS<br>(LST) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| 1      | -              | .2                 | 2.4                       |                                   |                         |      | 7.6                         | 4.4 |                         |                 |                        | 4.4                                | 1.7                   |
| 2      | -              | .1                 | 7.6                       |                                   |                         |      | 7.6                         | 4.4 |                         |                 |                        | 4.4                                | 1.7                   |
| 3      | -              | .1                 | 7.6                       |                                   |                         |      | 7.6                         | 4.8 | .2                      |                 |                        | 4.8                                | 1.7                   |
| 4      | 1-11           | .1                 | 4.8                       |                                   | .1                      |      | 6.7                         | 3.6 | .1                      |                 |                        | 3.6                                | 1.7                   |
| 5      | 1-14           |                    | 6.7                       |                                   | .1                      |      | 6.7                         | 3.6 | .6                      |                 |                        | 3.6                                | 1.7                   |
| 6      | 1-17           | .1                 | 6.7                       |                                   |                         |      | 6.7                         | 3.6 | .6                      |                 |                        | 4.4                                | 1.7                   |
| 7      | 1-17           |                    | 6.7                       |                                   | .1                      |      | 6.7                         | 3.6 |                         |                 |                        | 3.6                                | 1.7                   |
| 8      | 1-17           | .1                 | 6.7                       |                                   | .1                      |      | 6.7                         | 3.6 |                         |                 |                        | 3.6                                | 1.7                   |
| 9      |                |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                       |
| 10     |                |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                       |
| 11     |                |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                       |
| 12     |                |                    |                           |                                   |                         |      |                             |     |                         |                 |                        |                                    |                       |
| TOTALS |                | .1                 | 6.7                       |                                   | .1                      |      | 6.6                         | 3.9 | .1                      |                 |                        | 4.1                                | 7.6                   |

# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

REPORTED FOR THE MONTH OF \_\_\_\_\_  
 FROM \_\_\_\_\_ TO \_\_\_\_\_

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| 1-1    | -                 |                    | 1.1                       |                                  | 1.1                     |      | 0.1                         | 1.1 | .2                      | .1              |                        | .1                                 | 1.1                    |
| 2-1    |                   |                    | 1.1                       |                                  | 1.1                     | .1   | 9.1                         | 1.1 | .1                      | .1              |                        | 1.1                                | 1.1                    |
| 3-1    |                   |                    | 1.1                       |                                  | 1.1                     |      | 1.1                         | 1.1 | .1                      | .1              |                        | 1.1                                | 1.1                    |
| 4-1    |                   | .1                 | 1.1                       |                                  | 1.1                     |      | 1.1                         | 1.1 | .1                      |                 |                        | 1.1                                | 1.1                    |
| 5-1    |                   |                    | 1.1                       |                                  | 1.1                     |      | .1                          | 1.1 | .1                      | .1              |                        | 1.1                                | 1.1                    |
| 6-1    |                   |                    | 1.1                       |                                  | 1.1                     |      | 9.1                         | .1  | 1.1                     | .1              |                        | 1.1                                | 1.1                    |
| 7-1    |                   |                    | 1.1                       |                                  | 1.1                     |      | 1.1                         | 1.1 | .1                      | .1              |                        | 1.1                                | 1.1                    |
| 8-1    |                   | .1                 | 1.1                       |                                  | 1.1                     |      | 1.1                         | 1.1 | .1                      | .1              |                        | 1.1                                | 1.1                    |
| TOTALS |                   | .1                 | 1.1                       |                                  | 1.1                     | .1   | 1.1                         | 1.1 | .1                      | .1              |                        | 1.1                                | 1.1                    |



## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

3

STATION NAME  
 STATION NUMBER  
 CITY, STATE, COUNTRY

## WEATHER CONDITIONS

PERIOD OF RECORD: 1/1/44 TO 12/31/53  
 STATION NAME: STATION NUMBER: CITY, STATE, COUNTRY: MONTH: YEARS: MONTH: YEARS:

| MONTH  | HOURS<br>(A.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND OR<br>DRIZZLE | FREEZING<br>RAIN, OR<br>DRIZZLE | SNOW<br>AND OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP | FOG  | SMOKE<br>AND OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|---------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JAN    | 73.5              | 1.0                | 22.0                      | 0.0                             | 0.0                     | 0.0  | 2.0                        | 1.0  | 1.0                     | 0.0             | 0.0                    | 0.0                                | 73.5                  |
| FEB    | 71.0              | 1.0                | 1.0                       | 0.0                             | 0.0                     | 0.0  | 1.0                        | 11.0 | 1.0                     | 0.0             | 0.0                    | 0.0                                | 71.0                  |
| MAR    | 72.0              | 1.0                | 27.0                      | 0.0                             | 0.0                     | 0.0  | 4.0                        | 3.0  | 0.0                     | 0.0             | 0.0                    | 0.0                                | 72.0                  |
| APR    | 74.0              | 0.0                | 40.0                      | 0.0                             | 0.0                     | 0.0  | 40.0                       | 0.0  | 0.0                     | 0.0             | 0.0                    | 0.0                                | 74.0                  |
| MAY    | 73.0              | 1.0                | 23.0                      | 0.0                             | 0.0                     | 0.0  | 40.0                       | 14.0 | 1.0                     | 0.0             | 0.0                    | 0.0                                | 73.0                  |
| JUN    | 74.0              | 1.0                | 40.0                      | 0.0                             | 0.0                     | 0.0  | 40.0                       | 4.0  | 1.0                     | 0.0             | 0.0                    | 0.0                                | 74.0                  |
| JUL    | 74.0              | 0.0                | 40.0                      | 0.0                             | 0.0                     | 0.0  | 40.0                       | 1.0  | 1.0                     | 0.0             | 0.0                    | 0.0                                | 74.0                  |
| AUG    | 74.0              | 0.0                | 41.0                      | 0.0                             | 0.0                     | 0.0  | 41.0                       | 0.0  | 0.0                     | 0.0             | 0.0                    | 0.0                                | 74.0                  |
| SEP    | 74.0              | 0.0                | 40.0                      | 0.0                             | 0.0                     | 0.0  | 40.0                       | 14.0 | 0.0                     | 0.0             | 0.0                    | 0.0                                | 74.0                  |
| OCT    | 74.0              | 0.0                | 26.0                      | 0.0                             | 0.0                     | 0.0  | 26.0                       | 0.0  | 0.0                     | 0.0             | 0.0                    | 0.0                                | 74.0                  |
| NOV    | 74.0              | 0.0                | 21.0                      | 0.0                             | 0.0                     | 0.0  | 10.0                       | 14.0 | 0.0                     | 0.0             | 0.0                    | 0.0                                | 74.0                  |
| DEC    | 74.0              | 0.0                | 37.0                      | 0.0                             | 0.0                     | 1.0  | 40.0                       | 1.0  | 0.0                     | 0.0             | 0.0                    | 0.0                                | 74.0                  |
| TOTALS | 73.5              | 4.0                | 18.0                      | 0.0                             | 0.0                     | 0.0  | 40.0                       | 29.0 | 1.0                     | 0.0             | 0.0                    | 0.0                                | 73.5                  |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART B                      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

|               |                                 |
|---------------|---------------------------------|
| PRECIPITATION | DERIVED FROM DAILY OBSERVATIONS |
| SNOWFALL*     | DERIVED FROM DAILY OBSERVATIONS |
| SNOW DEPTH    | DERIVED FROM DAILY OBSERVATIONS |

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

|                        |                                      |                        |
|------------------------|--------------------------------------|------------------------|
| Air Force Stations     | From beginning of record thru 1945   | Snow depth at 0800 LST |
|                        | Jan 46-May 57                        | Snow depth at 1230 GCT |
|                        | Jun 57-present                       | Snow depth at 1200 GCT |
| U. S. Navy and Weather | From beginning of record thru Jun 52 | Snow depth at 0030 GCT |
| Bureau Stations        | Jul 52-May 57                        | Snow depth at 1230 GCT |
|                        | Jun 57-present                       | Snow depth at 1200 GCT |

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, but has been removed from this summary.

PERCENTAGE FREQUENCY OF  
.....  
(FROM DAILY OBSERVATIONS)

YEARS

1210 WS FORM 0-15-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF SURVEY  
 WASHINGTON, D. C.  
 ANNEX, A. C. 28801

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

43263      MDSLLP-C KQFHA/CHFDJ-DO ROK 8-39      54-66  
 STATION      STATION NAME      YEARS

| PRECIP | AMOUNTS (INCHES) |       |        |        |         |         |         |         |          |           |           |           |           | PERCENT<br>OF DAYS<br>WITH<br>MEASUR-<br>ABLE<br>AMTS | TOTAL<br>NO.<br>OF<br>OBS | MONTHLY AMOUNTS<br>(INCHES) |          |       |
|--------|------------------|-------|--------|--------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-------------------------------------------------------|---------------------------|-----------------------------|----------|-------|
|        | NONE             | TRACE | 01-0.4 | 05-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 |                                                       |                           | MEAN                        | GREATEST | LEAST |
| JAN    | 67.5             | 15.1  | 4.8    | 5.1    | 3.0     | 1.6     | 1.1     | .5      |          |           |           |           |           | 17.5                                                  | 370                       | 15.8                        | 29.7     | .1    |
| FEB    | 14.1             | 8.8   | 7.7    | 2.7    | .6      |         | .2      | .2      |          |           |           |           |           | 7.1                                                   | 329                       | 2.5                         | 15.4     | .1    |
| MAR    | 45.4             | 3.8   | .5     | .3     |         |         |         |         |          |           |           |           |           |                                                       | 270                       | .1                          | .4       | .1    |
| APR    | 95.7             | .3    |        |        |         |         |         |         |          |           |           |           |           |                                                       |                           | 4.1                         | TRACE    | .1    |
| MAY    | 100.0            |       |        |        |         |         |         |         |          |           |           |           |           |                                                       |                           | 170                         | .1       | .1    |
| JUN    | 100.0            |       |        |        |         |         |         |         |          |           |           |           |           |                                                       |                           | 160                         | .1       | .1    |
| JUL    | 100.0            |       |        |        |         |         |         |         |          |           |           |           |           |                                                       |                           | 141                         | .1       | .1    |
| AUG    | 100.0            |       |        |        |         |         |         |         |          |           |           |           |           |                                                       |                           | 4.8                         | .4       | .1    |
| SEP    | 100.0            |       |        |        |         |         |         |         |          |           |           |           |           |                                                       |                           | 140                         | .1       | .1    |
| OCT    | 100.0            |       |        |        |         |         |         |         |          |           |           |           |           |                                                       |                           | 370                         | .1       | .1    |
| NOV    | 99.1             | .6    | .3     |        |         |         |         |         |          |           |           |           |           | .4                                                    | 330                       | TRACE                       | .4       | .1    |
| DEC    | 89.4             | 5.8   | 1.9    | 1.3    | 1.1     |         |         |         | .6       |           |           |           |           | 4.8                                                   | 310                       | 2.4                         | 16.4     | .1    |
| ANNUAL | 44.7             | 2.5   | .8     | .8     | .4      | .1      | .2      | .1      | .1       | .1        | .1        |           |           | 7.5                                                   | 4321                      | 15.8                        |          |       |

STATION NO. 1204  
 STATION NAME  
 YEAR

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 (FROM DAILY OBSERVATIONS)

STATION NO. 1204 STATION NAME YEAR

| PRECIP        | AMOUNTS (INCHES) |       |       |       |       |       |       |        |         |         |          |           |           | PERCENT<br>OF DAYS<br>WITH<br>MEASUR-<br>ABLE<br>AMTS | TOTAL<br>NO<br>OF<br>OBS. | MONTHLY AMOUNTS<br>(INCHES) |          |       |
|---------------|------------------|-------|-------|-------|-------|-------|-------|--------|---------|---------|----------|-----------|-----------|-------------------------------------------------------|---------------------------|-----------------------------|----------|-------|
|               | NONE             | TRACE | 01    | 02-05 | 06-10 | 11-25 | 26-50 | 51-100 | 101-250 | 251-500 | 501-1000 | 1001-2000 | OVER 2000 |                                                       |                           | MEAN                        | GREATEST | LEAST |
| SNOWFALL      | NONE             | TRACE | 01-04 | 05-14 | 15-24 | 25-34 | 35-44 | 45-64  | 65-104  | 105-154 | 155-254  | 255-504   | OVER 504  |                                                       |                           |                             |          |       |
| SNOW<br>DEPTH | NONE             | TRACE | 1     | 2     | 3     | 4-6   | 7-12  | 13-24  | 25-36   | 37-48   | 49-60    | 61-120    | OVER 120  |                                                       |                           |                             |          |       |
| JAN           | 17.9             | 4.9   | 3.5   | 2.4   | 1.3   | 2.    | 1.4   |        |         |         |          |           |           | 11.3                                                  | 27                        |                             |          |       |
| FEB           | 22.2             | 3.2   | 1.2   | .3    |       | .3    | 1.2   |        |         |         |          |           |           | 3.9                                                   | 22                        |                             |          |       |
| MAR           | 24.7             | .3    |       |       |       |       |       |        |         |         |          |           |           |                                                       | 23                        |                             |          |       |
| APR           | 11.4             |       |       |       |       |       |       |        |         |         |          |           |           |                                                       | 11                        |                             |          |       |
| MAY           | 4.1              |       |       |       |       |       |       |        |         |         |          |           |           |                                                       | 7                         |                             |          |       |
| JUN           | 4.1              |       |       |       |       |       |       |        |         |         |          |           |           |                                                       | 1                         |                             |          |       |
| JUL           | 10.1             |       |       |       |       |       |       |        |         |         |          |           |           |                                                       | 41                        |                             |          |       |
| AUG           | 10.1             |       |       |       |       |       |       |        |         |         |          |           |           |                                                       | 4                         |                             |          |       |
| SEP           | 10.1             |       |       |       |       |       |       |        |         |         |          |           |           |                                                       | 40                        |                             |          |       |
| OCT           | 10.1             |       |       |       |       |       |       |        |         |         |          |           |           |                                                       | 42                        |                             |          |       |
| NOV           | 10.1             |       |       |       |       |       |       |        |         |         |          |           |           |                                                       | 41                        |                             |          |       |
| DEC           | 26.1             | 2.3   | .6    |       |       | .3    | .0    |        |         |         |          |           |           | 1.6                                                   | 31                        |                             |          |       |
| ANNUAL        | 97.6             | .4    | .4    | .2    | .1    | .3    | .3    |        |         |         |          |           |           | 1.4                                                   | 4321                      |                             |          |       |

3

STATION NO. 11111  
 TOL, 1.00  
 COLUMBIA, ...

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME YEARS

| MONTH<br>YEAR | JAN. | FEB. | MAR. | APR. | MAY  | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV. | DEC. | ALL<br>MONTHS |
|---------------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|---------------|
| 1             | .20  | 1.10 | .5   | 1.1  | .75  | .6    | .6    | .64   | .7    | .6    | .4   | .7   | 1.00          |
| 2             | .10  | .3   | .5   | 1.0  | 1.0  | .1    | 1.3   | .8    | .1    | .2    | .2   | .4   | 1.0           |
| 3             | .4   | .7   | .2   | 1.2  | .4   | .7    | 1.2   | .7    | .4    | .5    | 1.1  | .7   | 1.7           |
| 4             | .7   | .1   | .7   | .7   | .7   | .4    | .8    | .8    | .1    | .4    | .4   | .7   | 1.0           |
| 5             | .1   | 1.0  | .5   | .4   | .4   | .8    | .7    | .8    | .1    | .7    | 1.0  | 1.1  | 1.0           |
| 6             | 1.0  | .1   | .4   | .1   | .2   | .7    | .7    | .8    | 1.0   | .1    | .7   | .4   | 1.0           |
| 7             | 1.0  | 1.0  | .1   | .7   | 1.0  | .7    | .7    | .8    | .4    | .7    | 1.0  | .7   | 1.0           |
| 8             | .6   | .7   | .5   | .1   | .3   | .1    | .5    | 1.0   | 1.0   | .5    | .6   | .4   | 1.0           |
| 9             | .5   | .7   | .8   | .8   | 1.1  | 1.7   | .4    | .8    | 1.1   | .7    | .1   |      | 1.0           |
| 10            | .5   | .4   | .9   | 1.0  | 1.0  | 1.7   | .5    | .2    | .7    |       |      |      | 1.0           |
| 11            | .7   | .4   | .7   | 1.0  | 1.0  | .7    |       | .7    | .3    | .7    |      |      | 1.0           |
| 12            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 13            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 14            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 15            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 16            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 17            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 18            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 19            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 20            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 21            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 22            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 23            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 24            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 25            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 26            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 27            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 28            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 29            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 30            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 31            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 32            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 33            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 34            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 35            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 36            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 37            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 38            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 39            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 40            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 41            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 42            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 43            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 44            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 45            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 46            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 47            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 48            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 49            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 50            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 51            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 52            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 53            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 54            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 55            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 56            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 57            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 58            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 59            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 60            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 61            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 62            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 63            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 64            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 65            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 66            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 67            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 68            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 69            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 70            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 71            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 72            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 73            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 74            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 75            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 76            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 77            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 78            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 79            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 80            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 81            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 82            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 83            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 84            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 85            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 86            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 87            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 88            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 89            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 90            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 91            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 92            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 93            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 94            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 95            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 96            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 97            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 98            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 99            |      |      |      |      |      |       |       |       |       |       |      |      |               |
| 100           |      |      |      |      |      |       |       |       |       |       |      |      |               |
| MEAN          | .23  | .35  | .63  | 1.06 | 1.39 | 1.10  | 1.71  | .47   | 2.35  | .67   | .90  | .55  | 4.00          |
| S. D.         | .409 | .499 | .447 | .922 | .652 | 1.111 | 1.579 | 1.740 | 1.720 | 1.093 | .766 | .340 | 1.319         |
| TOTAL OBS.    | 192  | 334  | 372  | 360  | 370  | 360   | 341   | 42    | 395   | 373   | 337  | 317  | 4001          |

3

1000 HOURS - 1000 HOURS  
 1000 HOURS - 1000 HOURS  
 1000 HOURS - 1000 HOURS

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME

STATION

STATION NAME

YEARS

| MONTH<br>YEAR | JAN. | FEB.  | MAR.  | APR.  | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL<br>MONTHS |
|---------------|------|-------|-------|-------|-----|------|------|------|------|------|------|------|---------------|
| 1             |      |       |       |       |     |      |      |      |      |      |      |      |               |
| 2             | 1.7  | 1.4   | TRACE |       |     |      |      |      |      |      |      |      | 7             |
| 3             | 1.3  |       |       |       |     |      |      |      |      |      |      |      | 1             |
| 4             | 1.1  | 1.1   | TRACE |       |     |      |      |      |      |      |      |      | 1             |
| 5             | 4.   |       |       |       |     |      |      |      |      |      |      |      | 4.            |
| 6             | 1.1  |       | TRACE |       |     |      |      |      |      |      |      |      | 1.1           |
| 7             | 1.1  | TRACE |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 8             | 1.1  | 1.8   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 9             | 1.1  | 1.8   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 10            | 1.1  | TRACE | TRACE | TRACE |     |      |      |      |      |      |      |      | 1.1           |
| 11            | 1.1  | 5.    |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 12            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 13            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 14            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 15            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 16            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 17            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 18            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 19            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 20            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 21            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 22            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 23            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 24            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 25            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 26            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 27            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 28            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 29            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 30            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| 31            | 1.1  | 1.1   |       |       |     |      |      |      |      |      |      |      | 1.1           |
| MEAN          | 1.1  | 1.1   | 1.1   | 1.1   | 1.1 | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1           |
| S. D.         | 1.1  | 1.1   | 1.1   | 1.1   | 1.1 | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1           |
| TOTAL OBS.    | 1.1  | 1.1   | 1.1   | 1.1   | 1.1 | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1           |



3

AREA OF COUNTRY COVERED  
 STATE, COUNTY  
 TOWN/VILLAGE, ELEVATION

# EXTREME VALUES

DATE OF REPORT  
 FROM DAILY OBSERVATIONS

PERIOD OF RECORD (FROM TO) YEARS  
 STATION STATION NAME YEARS

WIND SPEED (MPH) IN HOURS

| MONTH<br>YEAR | JAN.  | FEB.  | MAR. | APR. | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC   | ALL<br>MONTHS |
|---------------|-------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| 1951          | 1.50  |       |      |      |     |     |     |     |     |     |     |       | 1.50          |
| 1952          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1953          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1954          |       |       | 1.50 |      |     |     |     |     |     |     |     |       | 1.50          |
| 1955          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1956          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1957          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1958          |       |       | 1.50 |      |     |     |     |     |     |     |     |       | 1.50          |
| 1959          |       | 1.5   | 2    |      |     |     |     |     |     |     |     |       | 1.5           |
| 1960          |       |       | 1.50 |      |     |     |     |     |     |     |     |       | 1.50          |
| 1961          | 1.50  |       |      |      |     |     |     |     |     |     |     |       | 1.50          |
| 1962          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1963          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1964          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1965          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1966          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1967          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1968          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1969          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1970          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1971          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1972          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1973          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1974          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1975          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1976          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1977          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1978          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1979          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| 1980          |       |       |      |      |     |     |     |     |     |     |     |       |               |
| MEAN          | 1.6   | 1.6   | 1.60 | .5   | .5  | .5  | .5  | .5  | .5  | .5  | .5  | 1.7   | .5            |
| S. D.         | 4.109 | 4.639 | .58  | .58  | .58 | .58 | .58 | .58 | .58 | .58 | .58 | 3.468 | 4.7           |
| TOTAL OBS.    | 372   | 336   | 372  | 368  | 372 | 360 | 341 | 403 | 390 | 372 | 336 | 312   | 431           |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.



1000  
 1000  
 1000

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

[illegible]

| SPEED<br>KNTS<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %   | MEAN<br>AND<br>SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|----------------------|
| N                     | .2    | .1    | .      | 2.1     | .9      | .       | .7      | .       | .       | .       | .    | .   | .                    |
| NNE                   | .1    | .     | .4     | .       | .1      | .       | .       | .       | .       | .       | .    | .   | .                    |
| NE                    | .1    | .     | .      | .5      | .2      | .       | .       | .       | .       | .       | .    | .   | .                    |
| ENE                   | .1    | .4    | .4     | .       | .1      | .       | .       | .       | .       | .       | .    | .   | .                    |
| E                     | .1    | .4    | .7     | 3.5     | 1.3     | .       | .1      | .       | .       | .       | .    | .   | .                    |
| ESE                   | .     | .     | .      | 1.7     | .4      | .       | .       | .       | .       | .       | .    | .   | .                    |
| SE                    | .1    | 3.3   | .8     | 1.5     | .6      | .1      | .       | .       | .       | .       | .    | .   | .                    |
| SSE                   | .     | .7    | .6     | .2      | .       | .       | .       | .       | .       | .       | .    | .   | .                    |
| S                     | .1    | 1.5   | 1.2    | .       | .1      | .       | .       | .       | .       | .       | .    | .   | .                    |
| SSW                   | .     | .     | .1     | .       | .       | .       | .       | .       | .       | .       | .    | .   | .                    |
| SW                    | .     | .7    | .8     | .       | .1      | .       | .       | .       | .       | .       | .    | .   | .                    |
| WSW                   | .     | .     | .1     | .       | .1      | .       | .       | .       | .       | .       | .    | .   | .                    |
| W                     | .1    | 1.1   | 1.4    | 1.5     | .3      | .       | .7      | .       | .       | .       | .    | .4  | 1.5                  |
| WNW                   | .     | .     | .      | .4      | .6      | .1      | .       | .       | .       | .       | .    | 1.5 | .4                   |
| NW                    | .6    | 1.5   | .7     | 2.1     | 1.4     | .4      | .1      | .       | .       | .       | .    | 1.5 | 1.5                  |
| NNW                   | .1    | 1.5   | .      | 4.3     | 1.7     | .3      | .       | .       | .       | .       | .    | 1.5 | 1.5                  |
| VARBL                 |       |       |        |         |         |         |         |         |         |         |      |     |                      |
| CALM                  |       |       |        |         |         |         |         |         |         |         |      |     |                      |
|                       | 1.1   | 1.7   | 3.6    | 2.5     | 1.7     | .       | .3      | .1      | .       | .       | .    | .   | .                    |

TOTAL NUMBER OF OBSERVATIONS 17 27

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1210 WS STATION NAME WINDY HARBOR YEARS 1964-7 MONTH 1  
CLASS ALL HOURS (LST) 1  
CONDITION ALL

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %  | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|----|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |    |    |                       |
| N               | .     | .     | 1.     | 12.     | .       | 1.      | .       |         |         |         |    | 7. | .                     |
| NNE             | .     | .     | .      | .       | .       | .       | .       |         |         |         |    | .  | .                     |
| NE              | .     | .     | .      | 4.      | .       | .       | .       |         |         |         |    | .  | .                     |
| ENE             | .     | 1.    | .      | 1.      | .       | .       | .       |         |         |         |    | 4. | .                     |
| E               | .     | .     | 1.     | 1.      | .       | 1.      | .       |         |         |         |    | .  | .                     |
| ESE             | .     | .     | .      | .       | .       | .       | .       |         |         |         |    | .  | .                     |
| SE              | .     | 4.    | .      | .       | .       | .       | .       |         |         |         |    | .  | .                     |
| SSE             | .     | .     | .      | 1.      | .       | .       | .       |         |         |         |    | .  | .                     |
| S               | .     | .     | .      | 1.      | 1.      | .       | .       |         |         |         |    | .  | 4.                    |
| SSW             | .     | .     | .      | 1.      | .       | .       | .       |         |         |         |    | 1. | .                     |
| SW              | .     | .     | .      | 7.      | 2.      | .       | .       | .       |         |         |    | 7. | .                     |
| WSW             | .     | .     | .      | 6.      | 1.      | .       | .       | .       |         |         |    | .  | .                     |
| W               | 1.    | .     | .      | 1.      | 8.      | 2.      | .       | .       | .       |         |    | 7. | .                     |
| WNW             | .     | 1.    | 6.     | 1.      | 7.      | 2.      | .       | .       |         |         |    | 7. | 6.                    |
| NW              | 1.    | 1.    | 2.     | 7.      | 4.      | 6.      | 4.      | .       |         |         |    | 1. | 1.                    |
| NNW             | 1.    | 1.    | 4.     | 7.      | 4.      | 1.      | 2.      |         |         |         |    | 1. | 1.                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    |    |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |    |    |                       |
|                 | 7     | 11    | 27     | 53      | 22      | 43      | 9       | 1       | .       |         |    | 1  | 1                     |

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLAYS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| N               | .2    | 4.1   | 1.3    | 1.3     | .8      | .1      | .1      |         |         |         |      | 1.7 |                       |
| NNE             | .1    |       | .5     |         | .4      |         |         |         |         |         |      |     |                       |
| NE              | .1    | 1.1   | .6     | .4      | .5      |         |         |         |         |         |      | 2.0 |                       |
| ENE             |       | .1    | .3     |         | .5      |         |         |         |         |         |      | 1.0 | .7                    |
| E               |       |       | 2.4    | 1.9     | .9      |         |         |         |         |         |      | 3.8 |                       |
| ESE             |       |       | .5     | .7      | .7      |         |         |         |         |         |      | 2.2 | .4                    |
| SE              | .1    | .3    | .1     | .4      |         |         |         |         |         |         |      | 1.0 |                       |
| SSE             | .1    |       | .1     | .6      |         |         |         |         |         |         |      |     |                       |
| S               |       |       | .7     | .6      | .2      |         |         |         |         |         |      |     |                       |
| SSW             |       |       |        |         | .1      |         |         |         |         |         |      |     |                       |
| SW              |       |       | .3     | .4      | .2      |         |         |         |         |         |      | 1.3 | .1                    |
| WSW             |       |       | .3     | .4      | .2      |         |         |         |         |         |      | 1.1 | .3                    |
| W               |       | .2    | 1.0    | 1.3     | .7      | .1      |         |         |         |         |      | 2.4 |                       |
| WNW             |       |       | .4     |         | .7      | .1      |         |         |         |         |      | 2.2 | .7                    |
| NW              | .1    | 1.6   | .7     | .6      | .6      | .5      | .3      | .1      |         |         |      | 3.3 | .7                    |
| NNW             | .1    | 1.9   | .6     | .2      | .6      | .6      | .1      |         |         |         |      | 3.1 | .1                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |      | 7.0 |                       |
|                 | .9    | 12.0  | 2.2    | 3.9     | 1.9     | 3.2     | .6      | .1      |         |         |      | 2.0 | 1.6                   |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|-----|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |    |     |                       |
| N               | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .  | .   | .                     |
| NNE             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .  | .   | .                     |
| NE              | .1    | .1    | .7     | .       | .       | .       | .       | .       | .       | .       | .  | .   | .                     |
| ENE             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .  | .   | .                     |
| E               | .1    | .1    | .3     | .5      | .1      | .       | .       | .       | .       | .       | .  | .   | .                     |
| ESE             | .     | .     | .      | .5      | .3      | .1      | .       | .       | .       | .       | .  | .   | .                     |
| SE              | .1    | .1    | .3     | .1      | .       | .       | .       | .       | .       | .       | .  | .   | .                     |
| SSE             | .1    | .7    | .      | .7      | .       | .       | .       | .       | .       | .       | .  | .   | .                     |
| S               | .1    | .3    | .3     | .3      | .2      | .       | .       | .       | .       | .       | .  | .   | .                     |
| SSW             | .     | .     | .3     | .2      | .1      | .       | .       | .       | .       | .       | .  | .   | .                     |
| SW              | .     | .4    | .4     | .5      | .3      | .       | .       | .       | .       | .       | .  | .   | .                     |
| WSW             | .     | .1    | .      | .1      | .1      | .       | .       | .       | .       | .       | .  | .   | .                     |
| W               | .     | .     | .6     | .5      | .5      | .       | .       | .       | .       | .       | .  | .   | .                     |
| WNW             | .     | .     | .4     | .       | .2      | .       | .       | .       | .       | .       | .  | .   | .                     |
| NW              | .1    | .4    | .5     | .4      | .6      | .4      | .1      | .1      | .       | .       | .  | .11 | .4                    |
| NNW             | .1    | .7    | .7     | .1      | .9      | .8      | .       | .       | .       | .       | .  | .15 | .4                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    |     |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |    | .1  |                       |
|                 | .     | .1    | .7     | .1      | .7      | .9      | .5      | .2      | .       | .1      | .  | .1  | .                     |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 71

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLAS

HOURS LST

CONDITION

| SPEED<br>(KNTS)              | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 - | % | MEAN<br>WIND<br>SPEED |
|------------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| DIR                          |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| N                            |       |       | .7     | .6      |         |         |         |         |         |         |      |   |                       |
| NNE                          |       |       | .1     |         |         |         |         |         |         |         |      |   |                       |
| NE                           |       |       | .4     |         | .1      |         |         |         |         |         |      |   |                       |
| ENE                          |       |       | .6     | .1      | .1      |         |         |         |         |         |      |   |                       |
| E                            |       |       |        | .7      | .7      |         |         |         |         |         |      |   |                       |
| ESE                          | .1    | .3    | .7     | .3      | .6      |         | .1      |         |         |         |      |   |                       |
| SE                           |       |       | .3     | .7      | .1      |         | .2      |         |         |         |      |   |                       |
| SSE                          | .1    |       |        |         |         |         |         |         |         |         |      |   |                       |
| S                            | .1    | .3    | .3     |         | .1      | .1      |         |         |         |         |      |   |                       |
| SSW                          |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| SW                           |       | .7    |        |         |         | .5      |         |         |         |         |      |   |                       |
| WSW                          |       |       | .1     | .1      | .1      |         |         |         |         |         |      |   |                       |
| W                            | .1    |       | .5     | .1      | .3      |         |         |         |         |         |      |   |                       |
| WNW                          |       | .6    |        | .6      | .1      |         |         |         |         |         |      |   |                       |
| NW                           | .1    | .1    | .1     | .1      | .5      | .7      |         |         |         |         |      |   |                       |
| NNW                          | .1    | .1    | .4     | .2      | .3      | .2      |         |         |         |         |      |   |                       |
| VARBL                        |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| CALM                         |       |       |        |         |         |         |         |         |         |         |      |   |                       |
|                              | .4    | .2    | .4     | .1      | .5      | .6      | .4      |         |         |         |      |   |                       |
| TOTAL NUMBER OF OBSERVATIONS |       |       |        |         |         |         |         |         |         |         |      |   |                       |



3

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
 WASHINGTON, D. C. 20540

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|---|-----------------------|
| N                     | •   | •   | 4.0  | 5.0   | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| NNW                   | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| NE                    | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| ENE                   | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| E                     | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| ESE                   | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| SE                    | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| SSE                   | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| S                     | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| SSW                   | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| SW                    | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| WSW                   | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| W                     | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| WNW                   | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| NW                    | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| NNW                   | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| VARBL                 | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |
| CALM                  | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |

TOTAL NUMBER OF OBSERVATIONS

7

STATION NAME  
 LOCATION  
 DATE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME \_\_\_\_\_ DATE \_\_\_\_\_

LOCATION \_\_\_\_\_

PERIOD OF RECORD \_\_\_\_\_

CLASS \_\_\_\_\_

CONTINUED \_\_\_\_\_

| SPEED<br>KNTS.<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN<br>WIND<br>SPEED |
|------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|---|-----------------------|
| N                      |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| NNE                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| NE                     |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| ENE                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| E                      |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| ESE                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| SE                     |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| SSE                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| S                      |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| SSW                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| SW                     |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| WSW                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| W                      |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| WNW                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| NW                     |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| NNW                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| VARBL                  |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| CALM                   |     |     |      |       |       |       |       |       |       |       |     |   |                       |

3

U.S. NAVY  
NAVY DEPARTMENT  
NAVY OFFICE OF THE SECRETARY

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 000000 DATE 10/10/57 TIME 1000 YEAR 1957

CLASS 100

UNIT 100

| SPEED<br>KNTS.<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------------|
| N                      | .   | .    | .4   | .     | .     | .     | .     | .     | .     | .     | .    | .1   | 1.4                   |
| NNE                    | .   | .    | .    | .     | .     | .     | .     | .     | .     | .     | .    | .1   | 1.4                   |
| NE                     | .   | .1   | .1   | .     | .     | .     | .     | .     | .     | .     | .    | .1   | 7.4                   |
| ENE                    | .   | .1   | .1   | .     | .     | .     | .     | .     | .     | .     | .    | .1   | 1.4                   |
| E                      | .   | .4   | .4   | .4    | .4    | .4    | .     | .     | .     | .     | .    | .3   | 1.4                   |
| ESE                    | .1  | .4   | .4   | .4    | .4    | .4    | .     | .     | .     | .     | .    | .1   | 1.4                   |
| SE                     | .4  | .4   | .7   | .4    | .4    | .     | .     | .     | .     | .     | .    | .1   | 1.4                   |
| SSE                    | .   | .4   | .4   | .     | .4    | .4    | .     | .     | .     | .     | .    | .4   | 1.4                   |
| S                      | .4  | .4   | .4   | .4    | .     | .4    | .     | .     | .     | .     | .    | .1   | 1.4                   |
| SSW                    | .   | .    | .4   | .4    | .4    | .     | .     | .     | .     | .     | .    | .4   | 1.4                   |
| SW                     | .1  | .4   | .4   | .4    | .4    | .     | .     | .     | .     | .     | .    | .4   | 1.4                   |
| WSW                    | .   | .    | .4   | .4    | .4    | .     | .     | .     | .     | .     | .    | .4   | 1.4                   |
| W                      | .1  | .4   | .4   | .4    | .4    | .     | .     | .     | .     | .     | .    | .4   | 1.4                   |
| WNW                    | .   | .    | .4   | .4    | .     | .     | .     | .     | .     | .     | .    | .4   | 1.4                   |
| NW                     | .4  | .4   | .4   | .4    | .     | .     | .     | .     | .     | .     | .    | .4   | 1.4                   |
| NNW                    | .4  | .4   | .4   | .4    | .     | .     | .     | .     | .     | .     | .    | .4   | 1.4                   |
| VARBL                  |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| CALM                   |     |      |      |       |       |       |       |       |       |       |      | .5   |                       |
|                        | 1.3 | 27.7 | 3.2  | 15.6  | 2.1   | .7    | .1    |       |       |       |      | 10.5 |                       |

TOTAL NUMBER OF OBSERVATIONS 107

3

STATION NAME  
 LOCATION  
 DATE

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION NAME \_\_\_\_\_ DATE \_\_\_\_\_

LOCATION \_\_\_\_\_

PERIOD OF RECORD \_\_\_\_\_

NUMBER OF YEARS \_\_\_\_\_

NUMBER OF HOURS \_\_\_\_\_

NUMBER OF OBSERVATIONS \_\_\_\_\_

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|---|-----------------------|
| N                     |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| NNE                   |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| NE                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| ENE                   |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| E                     |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| ESE                   |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| SE                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| SSE                   |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| S                     |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| SSW                   |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| SW                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| WSW                   |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| W                     |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| WNW                   |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| NW                    |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| NNW                   |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |     |   |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |     |   |                       |
|                       |     |     |      |       |       |       |       |       |       |       |     |   |                       |

TOTAL NUMBER OF OBSERVATIONS

71

3

STATION NAME: STATION 1  
 DATE: 10/1/50  
 TIME: 1000

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

STATION: STATION 1 CLASS: 1  
 DATE: 10/1/50 TIME: 1000  
 LOCATION: 1

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N                       | .4    |       |        | .4      |         |         |         |         |         |         |      | .4  |                       |
| NNE                     | .1    | .1    |        | .1      |         |         |         |         |         |         |      | .1  |                       |
| NE                      | .1    | .1    | .1     | .1      |         |         |         |         |         |         |      | .1  |                       |
| ENE                     | .1    | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .1  |                       |
| E                       | .4    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | .4  |                       |
| ESE                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1  |                       |
| SE                      | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | .1  |                       |
| SSE                     |       |       | .1     | .1      | .1      | .1      |         |         |         |         |      | .1  |                       |
| S                       |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1  |                       |
| SSW                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1  |                       |
| SW                      |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1  |                       |
| WSW                     |       |       | .1     | .1      | .1      | .1      |         |         |         |         |      | .1  |                       |
| W                       | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | .1  |                       |
| WNW                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1  |                       |
| NW                      | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | .1  |                       |
| NNW                     | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |      | .1  |                       |
| VAPBL                   |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |     |                       |
|                         | 1.7   | 2.2   | 2.2    | 2.2     | 2.2     | 2.2     | 2.2     | 2.2     | 2.2     | 2.2     | 2.2  | 2.2 | 2.2                   |

TOTAL NUMBER OF OBSERVATIONS

3

STATION NAME  
 NAME, LOCATION  
 CITY, STATE, COUNTRY

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

DATE: \_\_\_\_\_ YEAR: \_\_\_\_\_

CLASS: \_\_\_\_\_

CONDITION: \_\_\_\_\_

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----------------------|
| N                     | .1  | .7  | .1   | 1.1   | .1    | .1    |       |       |       |       |     | .6  | .1                    |
| NNE                   | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |     | .1  | .1                    |
| NE                    | .1  | 1.7 | .1   | .1    | .1    | .1    |       |       |       |       |     | .1  | .1                    |
| ENE                   | .1  | .1  | .9   | 1.1   | .1    | .1    |       |       |       |       |     | .1  | .1                    |
| E                     | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |     | .1  | .1                    |
| ESE                   | .1  | .4  | .1   | .1    | .1    | .1    | .1    |       |       |       |     | .1  | .1                    |
| SE                    | .1  | 1.1 | .1   | .1    | .1    | .1    |       |       |       |       |     | .1  | .1                    |
| SSE                   | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |     | .1  | .1                    |
| S                     | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |     | 1.1 | 1.1                   |
| SSW                   | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |     | .1  | .1                    |
| SW                    | .1  | .1  | .4   | .1    | .1    | .1    |       |       |       |       |     | .1  | .1                    |
| WSW                   | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |     | .1  | .1                    |
| W                     | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |     | 1.1 | 1.1                   |
| WNW                   | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |     | .1  | .1                    |
| NW                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |     | 1.1 | 1.1                   |
| NNW                   | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |     | 1.1 | 1.1                   |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |     | 1.1 |                       |
|                       | 1.1 | 2.1 | 2.7  | 2.7   | .1    | .1    | .1    |       |       |       |     | .1  | .1                    |

TOTAL NUMBER OF OBSERVATIONS

STATE POLICE DIVISION  
ST. LOUIS, MO.  
A. J. JAMES, A. C. JAMES

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N                     | .2  | 1.  | 1.7  | 1.7   | 1.1   | .7    | .7    |       |       |       |     | 24.1 | 1.1                   |
| NNE                   | .1  | 1.1 | .7   | .7    | .1    | .1    | .1    |       |       |       |     | 7.1  | 1.1                   |
| NE                    | .1  | 1.1 | 1    | .7    | .1    |       |       |       |       |       |     | 7.1  | 1.1                   |
| ENE                   | .1  |     | .5   | .4    | .1    | .1    |       |       |       |       |     | 1.1  | 1.1                   |
| E                     | .   | 1.1 | .7   | .7    | 1.1   | .1    |       |       |       |       |     | 1.1  | 1.1                   |
| ESE                   |     | .1  | .7   | .7    | .1    |       |       |       |       |       |     | .1   | .1                    |
| SE                    | .   | .1  | 1.1  | .7    | .7    | .1    |       |       |       |       |     | 1.1  | 1.1                   |
| SSE                   |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |     | .1   | .1                    |
| S                     | .   | .4  | 1    | .7    | 1.1   | .1    |       |       |       |       |     | 1.1  | 1.1                   |
| SSW                   |     | .1  | .1   | .1    | .1    |       |       |       |       |       |     | .1   | .1                    |
| SW                    | .   | .4  | .7   | .7    | .1    |       |       |       |       |       |     | .4   | .1                    |
| WSW                   | .   | .1  | .1   | .1    | .1    |       |       |       |       |       |     | .1   | .1                    |
| W                     | .1  | .1  | .7   | 1.1   | .7    | .1    |       |       |       |       |     | 1.1  | .1                    |
| WNW                   | .   | .1  | .7   | .7    | .1    |       | .1    |       |       |       |     | 1.1  | 1.1                   |
| NW                    | .4  | .7  | 1.1  | .7    | 1.1   | .4    | .1    |       |       |       |     | 1.1  | 1.1                   |
| NNW                   | .1  | 1.1 | .7   | .7    | .4    | .1    |       |       |       |       |     | 1.1  | .4                    |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |     |      |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |     |      |                       |
|                       | 1.1 | 1.1 | 1.1  | 1.1   | 1.1   | 1.1   | .1    |       |       |       |     | .1   | 1.1                   |

1210 WS FORM 0-8-5 (OL-1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

U.S. AIR FORCE  
 1210 WS  
 1 JUL 64 0-8-5 (OL-1)

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION NAME: \_\_\_\_\_ YEARS: \_\_\_\_\_  
 CLASS: \_\_\_\_\_  
 COMMENTS: \_\_\_\_\_

| SPEED<br>KNTS<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                     | .4  | 7.   | 1.6  | 4.    | 1.    | 1.    | 1.    |       |       |       |      | 1.7 | 1.1                   |
| NNE                   | .1  | 1.   | .7   | .7    |       |       |       |       |       |       |      |     |                       |
| NE                    | .7  |      | .4   |       |       |       |       |       |       |       |      | 1.7 | 1.1                   |
| ENE                   |     | .2   | .1   |       |       |       |       |       |       |       |      |     | 1.4                   |
| E                     |     |      | .3   | 1.2   | .4    | .1    |       |       |       |       |      | 1.1 | 1.1                   |
| ESE                   |     |      | .6   | .4    | .7    |       |       |       |       |       |      | 1.1 | 1.1                   |
| SE                    |     | .4   | .4   | .7    | .1    |       |       |       |       |       |      | 1.1 | 1.1                   |
| SSE                   |     | .1   |      |       |       |       |       |       |       |       |      |     |                       |
| S                     |     | .2   | .6   | .7    | .7    |       |       |       |       |       |      | 1.1 | 1.1                   |
| SSW                   |     | .7   | .2   | .4    | .1    |       |       |       |       |       |      | 1.1 | 1.1                   |
| SW                    |     | .2   | .5   | .4    | .3    | .1    |       |       |       |       |      | 1.1 | 1.1                   |
| WSW                   |     |      | .3   | .4    | .1    |       |       |       |       |       |      | 1.1 | 1.1                   |
| W                     |     |      | .2   | 1.2   | .3    | .1    |       |       |       |       |      | 1.1 | 1.1                   |
| WNW                   |     |      | .5   | .7    | .4    | .1    |       |       |       |       |      | 1.1 | 1.1                   |
| NW                    | .1  | 1.1  | .4   | 3.9   | .3    |       | .4    |       |       |       |      | 1.1 | 1.1                   |
| NNW                   | .2  | .3   | .5   | 7.5   | 3.3   | .7    | .2    |       |       |       |      | 1.1 | 1.1                   |
| VARBL                 |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| CALM                  |     |      |      |       |       |       |       |       |       |       |      |     |                       |
|                       | 1.1 | 15.0 | 24.7 | 22.   | 14.0  | 2.7   |       |       |       |       |      | 1.1 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS

1.7



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1210 WS FORM JUL 64 0-8-5 (Det 50) STATION NAME 1210 WS FORM JUL 64 0-8-5 (Det 50) YEARS 1964 MONTH 12

CLASS 1210 WS FORM JUL 64 0-8-5 (Det 50) HOURS 1210

CONDITION 1210 WS FORM JUL 64 0-8-5 (Det 50)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | %   | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-----|-----------------------|
| N                       | .4    | .1    | .4     | 1.1     | .8      | .1      | .1      |         |         |         |     | .1  | .4                    |
| NNE                     | .1    | .1    | .4     | .1      | .1      |         |         |         |         |         |     | .1  | .1                    |
| NE                      | .1    | .1    | .1     | .1      | .1      |         |         |         |         |         |     | .1  | .1                    |
| ENE                     |       |       |        |         |         |         |         |         |         |         |     |     |                       |
| E                       |       | .4    | .4     | 1.1     | .7      |         |         |         |         |         |     | .1  | .7                    |
| ESE                     |       |       | .1     | .1      | .1      |         |         |         |         |         |     | .1  | .1                    |
| SE                      |       | .1    | .1     | .1      | .1      |         |         |         |         |         |     | .1  | .1                    |
| SSE                     |       |       | .1     | .1      |         |         |         |         |         |         |     | .1  | .1                    |
| S                       |       | .1    | .1     | .1      |         |         |         |         |         |         |     | .1  | .1                    |
| SSW                     |       |       |        | .1      |         |         |         |         |         |         |     | .1  | .1                    |
| SW                      |       |       |        | .1      | .1      | .1      |         |         |         |         |     | .1  | .1                    |
| WSW                     |       | .1    | .1     | .1      |         |         |         |         |         |         |     | .1  | .1                    |
| W                       |       | .1    | .1     | 1.1     | .7      | .1      | .1      |         |         |         |     | .1  | .7                    |
| WNW                     |       |       | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1  | .1                    |
| NW                      | .1    | .1    | .1     | 1.1     | 1.1     | .1      | .1      |         |         |         |     | .1  | .1                    |
| NNW                     | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1  | .1                    |
| VARBL                   | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1  | .1                    |
| CALM                    |       |       |        |         |         |         |         |         |         |         |     | .1  | .1                    |
|                         | 1.1   | 1.1   | 1.1    | 1.1     | 1.1     | 1.1     | 1.1     |         |         |         |     | 1.1 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS 1210

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1210 WS STATION NAME WINDY HARBOR YEARS 1964-1965 MONTH 1

CLASS 1 HOUR (EST) 1

CONDITION 1

| SPEED<br>(KNTS)              | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %    | MEAN<br>WIND<br>SPEED |
|------------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| DIR.                         |     |     |      |       |       |       |       |       |       |       |     |      |                       |
| N                            | .2  | .1  | 1.7  | 1.2   | 1.4   | 1.7   | .1    |       |       |       |     | 10.0 | 1.0                   |
| NNE                          |     | .1  | 1.3  | .8    | .1    |       |       |       |       |       |     | 2.2  | .6                    |
| NE                           | .1  | .1  | .3   | .4    | .2    |       |       |       |       |       |     | 2.1  | .7                    |
| ENE                          |     | .1  | .6   |       | .1    |       |       |       |       |       |     | .7   | .3                    |
| E                            |     | .1  | 1.2  | 1.3   | .3    | .7    |       |       |       |       |     | 1.7  | .8                    |
| ESE                          |     | .2  | .1   | .1    | .1    |       |       |       |       |       |     | .5   | .3                    |
| SE                           |     | .1  | .1   | .1    | .1    |       |       |       |       |       |     | 1.1  | .5                    |
| SSE                          |     |     |      | .1    | .1    |       |       |       |       |       |     | .2   | .1                    |
| S                            |     |     |      | .4    |       |       |       |       |       |       |     | .4   | .4                    |
| SSW                          |     |     |      |       |       |       |       |       |       |       |     |      |                       |
| SW                           |     | .1  |      | .1    | .1    |       |       |       |       |       |     | .4   | 1.3                   |
| WSW                          |     | .1  | .1   | .1    | .1    |       |       |       |       |       |     | .7   | 1.1                   |
| W                            |     | .1  | .1   | 2.1   | .5    | .2    |       |       |       |       |     | 2.6  | 14.5                  |
| WNW                          |     | .1  | .2   | 1.2   | .2    | .1    |       |       |       |       |     | 1.8  | 10.1                  |
| NW                           | .1  | 1.1 | 1.2  | 6.7   | 4.0   | 2.2   | .5    |       |       |       |     | 13.1 | 18.6                  |
| NNW                          |     | 1.1 | .1   | 4.6   | 4.5   | 1.2   | .1    |       |       |       |     | 17.1 | 14.1                  |
| VARBL                        |     |     |      |       |       |       |       |       |       |       |     |      |                       |
| CALM                         | X   | X   | X    | X     | X     | X     | X     | X     | X     | X     | X   | 7.4  |                       |
|                              | .4  | 1.1 | 2.4  | 12.6  | 22.5  | 6.2   | .7    |       |       |       |     | 11.7 | 12.3                  |
| TOTAL NUMBER OF OBSERVATIONS |     |     |      |       |       |       |       |       |       |       |     | 120  |                       |

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
CONDITION \_\_\_\_\_

| SPEED (KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN WIND SPEED |
|--------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| DIR.         |       |       |        |         |         |         |         |         |         |         |      |      |                 |
| N            |       |       | 1.3    | 12.4    | 7.4     | 1.2     | .1      |         |         |         |      | 7.1  |                 |
| NNE          | .1    | .7    | 1.5    | .3      | .4      |         |         |         |         |         |      | 2.6  |                 |
| NE           | .1    | .7    | .5     | .6      | .1      | .1      |         |         |         |         |      | 2.2  |                 |
| ENE          |       |       | .3     | .1      | .1      |         |         |         |         |         |      | .7   |                 |
| E            | .1    | .4    | 1.3    | 1.2     | .2      |         | .2      |         |         |         |      | 2.4  |                 |
| ESE          |       |       | .1     | .2      | .1      |         |         |         |         |         |      | .4   |                 |
| SE           |       | .4    | .6     |         | .1      |         |         |         |         |         |      | .7   |                 |
| SSE          |       | .2    |        |         | .1      |         |         |         |         |         |      | .2   |                 |
| S            |       |       | .2     | .1      | .2      |         |         |         |         |         |      | .2   |                 |
| SSW          |       | .1    |        | .2      |         |         |         |         |         |         |      | .2   |                 |
| SW           |       |       | .5     | .5      | .1      |         |         | .1      |         |         |      | .6   |                 |
| WSW          |       | .1    | .3     | .7      | .6      |         |         |         |         |         |      | 1.6  |                 |
| W            | .1    | .7    | .6     | 1.2     | .7      | .1      | .1      |         |         |         |      | 2.1  |                 |
| WNW          |       |       | .3     | 1.1     | .4      | .1      |         |         |         |         |      | .8   |                 |
| NW           | .1    | .1    | .1     | 7.3     | 4.1     | 1.5     | .2      | .1      |         |         |      | 17.1 | 14.2            |
| NNW          | .1    | 1.4   | 3.9    | 6.8     | 3.5     | 1.4     | .2      |         |         |         |      | 17.7 | 15.6            |
| VARBL        |       |       |        |         |         |         |         |         |         |         |      |      |                 |
| CALM         |       |       |        |         |         |         |         |         |         |         |      | 7.1  |                 |
|              | 1.1   | 11.4  | 23.4   | 12.3    | 13.4    | 4.4     | .7      | .2      |         |         |      | 15.1 | 12.7            |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

(55)

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_  
CLATS \_\_\_\_\_  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %    | WIND<br>DIRECTION |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|------|-------------------|
| DIR             |       |       |        |         |         |         |         |         |         |         |    |      |                   |
| N               | .1    | .1    | 1.1    | 14.1    | .1      | .1      | 1.2     |         |         |         |    | .1   | N                 |
| NNE             |       | .1    | .7     | 1.2     | .7      | .1      |         |         |         |         |    | .1   | NNE               |
| NE              |       | .1    | .1     | .4      | .1      |         |         |         |         |         |    | .1   | NE                |
| ENE             |       | .1    | .1     | .2      |         |         |         |         |         |         |    | .1   | ENE               |
| E               | .1    | .1    | 1.1    | 1.2     | .4      | .1      |         |         |         |         |    | .1   | E                 |
| ESE             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | ESE               |
| SE              |       | .1    | .2     |         | .1      |         |         |         |         |         |    | .1   | SE                |
| SSE             |       | .1    | .1     |         |         |         |         |         |         |         |    | .1   | SSE               |
| S               |       | .1    | .1     | .1      | .1      |         |         |         |         |         |    | .1   | S                 |
| SSW             |       |       |        | .1      |         |         |         |         |         |         |    | .1   | SSW               |
| SW              |       | .1    | .2     | 1.2     | .3      | .1      |         |         |         |         |    | .1   | SW                |
| WSW             | .1    | .1    | .2     | .4      | .2      |         | .1      | .1      |         |         |    | .1   | WSW               |
| W               | .1    | .1    | 1.1    | 1.4     | .8      | .1      |         |         | .1      |         |    | .1   | W                 |
| WNW             |       | .1    | .6     | 1.1     | 1.2     | .1      |         |         |         |         |    | .1   | WNW               |
| NW              | .1    | .1    | .4     | 7.2     | 3.9     | .9      | .5      |         |         |         |    | .1   | NW                |
| NNW             | .2    | .1    | .6     | 8.9     | 4.2     | 1.2     | .3      |         |         |         |    | .1   | NNW               |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    |      |                   |
| CALM            |       |       |        |         |         |         |         |         |         |         |    | .1   | CALM              |
|                 | .9    | .1    | 16.7   | 19.     | 21.1    | 5.1     | 1.1     | .1      | .1      |         |    | 100. |                   |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

ALLIANCE BUSINESS SYSTEMS

15024

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (LST)

CONDITION

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| DIR             |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| N               |       | 1.7   |        | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| NNE             |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| NE              |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| ENE             |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| E               |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| ESE             |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| SE              | 1.4   | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| SSE             |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| S               |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| SSW             |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| SW              |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| WSW             |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| W               | 1.4   | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     |         |         |         |      | 1.4 | 1.4                   |
| WNW             |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     | 1.4     |         |         |      | 1.4 | 1.4                   |
| NW              |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     | 1.4     |         |         |      | 1.4 | 1.4                   |
| NNW             |       | 1.4   | 1.4    | 1.4     | 1.4     | 1.4     | 1.4     | 1.4     |         |         |      | 1.4 | 1.4                   |
| VARBL           |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |      | 4.8 |                       |
|                 | 1.2   | 1.2   | 1.2    | 1.2     | 1.2     | 1.2     | 1.2     | 1.2     | 1.2     | 1.2     | 1.2  | 1.2 | 1.2                   |

TOTAL NUMBER OF OBSERVATIONS

1219

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)              | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|------------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| DIR.                         |     |     |      |       |       |       |       |       |       |       |     |       |                       |
| N                            |     |     | .2   | 14.3  | .2    | 1.6   | .1    |       |       |       |     | 1.7   | 1.1                   |
| NNE                          |     | .1  | .6   | .7    | .2    | .1    |       |       |       |       |     | 1.1   | 1.1                   |
| NE                           |     | .1  | .2   | .2    | .4    | .1    |       |       |       |       |     | 1.1   | 1.1                   |
| ENE                          |     |     | .2   | 1.7   | .2    |       |       |       |       |       |     | .6    | 1.1                   |
| E                            | .1  |     | .2   | .8    | .2    |       |       |       |       |       |     | 1.7   | 1.1                   |
| ESE                          |     | .1  | .2   | .2    | .2    |       |       |       |       |       |     | 1.3   | 1.1                   |
| SE                           |     |     | .2   | .2    | .2    |       |       |       |       |       |     | .2    | 1.1                   |
| SSE                          |     |     | .2   | .2    |       |       |       |       |       |       |     | .2    | 1.1                   |
| S                            |     |     | .2   | .1    |       |       |       |       |       |       |     | .2    | 1.1                   |
| SSW                          |     |     |      |       |       |       |       |       |       |       |     | .2    | 1.1                   |
| SW                           | .1  | .1  | .6   | .2    | .3    |       |       |       |       |       |     | 1.5   | 1.1                   |
| WSW                          |     | .1  | .7   | .2    |       |       |       |       |       |       |     | .4    | 1.1                   |
| W                            | .1  | .1  | .2   | 1.1   | 1.2   | .2    |       |       |       |       |     | 4.1   | 1.1                   |
| WNW                          |     |     | .2   | 1.5   | 1.0   | .6    | .1    |       |       |       |     | 3.7   | 1.1                   |
| NW                           | .1  | .1  | .2   | 1.6   | 3.7   | 1.3   | .4    |       |       |       |     | 19.8  | 1.1                   |
| NNW                          |     | .1  | 1.4  | 1.2   | 2.3   | .8    | .3    |       |       |       |     | 11.1  | 1.1                   |
| VARBL                        |     |     |      |       |       |       |       |       |       |       |     | .2    | 1.1                   |
| CALM                         |     |     |      |       |       |       |       |       |       |       |     | .2    | 1.1                   |
|                              | .5  | 1.1 | 11.7 | 41.1  | 21.5  | 6.2   | .9    |       |       |       |     | 100.0 | 11.1                  |
| TOTAL NUMBER OF OBSERVATIONS |     |     |      |       |       |       |       |       |       |       |     |       | 111                   |

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| N               | .5    | 7.    | .      | .       | .       | .       | .       | .       | .       | .       | .    | .4   | 1.4                   |
| NNE             | .     | .     | .      | 7.      | .       | .       | .       | .       | .       | .       | .    | .7   | 1.4                   |
| NE              | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .7   | 1.4                   |
| ENE             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .7   | 1.4                   |
| E               | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .7   | 1.4                   |
| ESE             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .7   | 1.4                   |
| SE              | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .7   | 1.4                   |
| SSE             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .7   | 1.4                   |
| S               | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .7   | 1.4                   |
| SSW             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .7   | 1.4                   |
| SW              | .     | .     | 7.     | .       | 1.      | .       | .       | .       | .       | .       | .    | 1.7  | 7.7                   |
| WSW             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .7   | 7.7                   |
| W               | .     | .     | .      | 1.      | .       | .       | .       | .       | .       | .       | .    | 1.7  | 18.7                  |
| WNW             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | 1.7  | 18.7                  |
| NW              | .1    | 1.4   | 1.3    | 2.      | 3.3     | 1.9     | .       | .       | .       | .       | .    | 17.3 | 11.6                  |
| NNW             | .     | 1.    | 1.3    | 5.3     | 9.7     | 7.      | .       | .       | .       | .       | .    | 2.1  | 11.6                  |
| VARBL           | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | .    | .                     |
| CALM            | X     | X     | X      | X       | X       | X       | X       | X       | X       | X       | X    | 4.   | .                     |
|                 | .4    | 1.7   | 2.     | 4.7     | 17.3    | 4.3     | .4      | .1      | .       | .       | .    | 1.7  | 1.7                   |

TOTAL NUMBER OF OBSERVATIONS 146

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS \_\_\_\_\_  
 COUNTRY \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|-----|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |    |     |                       |
| N               | .4    | .6    | .6     | .4      | .7      | .7      | .1      |         |         |         |    | .4  | .4                    |
| NNE             |       |       | .1     | .1      | .1      |         |         |         |         |         |    | .1  | .1                    |
| NE              | .1    | .7    | .1     | .6      | .1      |         |         |         |         |         |    | .1  | .6                    |
| ENE             |       |       |        |         | .1      |         |         |         |         |         |    | .1  | .1                    |
| E               |       | .7    | .6     | .4      | .7      |         |         |         |         |         |    | .7  | .7                    |
| ESE             |       | .1    | .2     | .2      | .1      |         |         |         |         |         |    | .1  | .2                    |
| SE              |       |       | .2     | .2      | .1      |         |         |         |         |         |    | .1  | .2                    |
| SSE             |       |       | .2     | .2      | .1      |         |         |         |         |         |    | .1  | .2                    |
| S               |       | .1    | .2     | .2      | .1      |         |         |         |         |         |    | .1  | .2                    |
| SSW             |       |       | .2     | .2      | .1      |         |         |         |         |         |    | .1  | .2                    |
| SW              |       |       | .2     | .7      | .2      |         |         |         |         |         |    | .1  | .2                    |
| WSW             |       |       | .1     | .1      | .1      |         |         |         |         |         |    | .1  | .1                    |
| W               |       | .1    | .5     | 1.7     | .9      | .4      |         |         |         |         |    | .7  | .4                    |
| WNW             |       |       | .5     | .7      | .6      | .4      | .1      |         |         |         |    | .4  | .6                    |
| NW              | .4    | 1.6   | .4     | 6.5     | 3.1     | 1.1     | .5      | .1      |         |         |    | 6.7 | 4.1                   |
| NNW             | .1    | .1    | .6     | 7.6     | 4.4     | .8      |         |         |         |         |    | .4  | 3.1                   |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    |     |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |    | 4.0 |                       |
|                 | 1.4   | 15.4  | 24.2   | 32.7    | 17.1    | 3.4     | .7      | .1      |         |         |    | 1.4 | 11.6                  |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



25

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1210 WS STATION NAME WINDY YEARS 1970-1971 MONTH 7  
CLASS 1 HOURS (LST) 0000-2300  
CONDITION 1

| SPEED<br>(KNTS) | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56 | %     | MEAN<br>WIND<br>SPEED |
|-----------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|----|-------|-----------------------|
| DIR.            |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| N               |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| NNE             |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| NE              |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| ENE             |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| E               |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| ESE             |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| SE              |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| SSE             |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| S               |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| SSW             |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| SW              |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| WSW             |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| W               |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| WNW             |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| NW              |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| NNW             |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| VARBL           |     |      |      |       |       |       |       |       |       |       |    |       |                       |
| CALM            |     |      |      |       |       |       |       |       |       |       |    |       |                       |
|                 | 1.7 | 15.9 | 24.3 | 33.4  | 13.7  | 1.6   | .4    | .     |       |       |    | 100.0 | 1.7                   |

TOTAL NUMBER OF OBSERVATIONS 1111

655

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_ HOURS - LST \_\_\_\_\_  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N                       | .1    | .2    | 1.1    | 1.7     | .9      | .1      | .1      |         |         |         |      | 2.2  | 1.1                   |
| NNE                     | .1    | .1    | .1     | .7      | .9      |         |         |         |         |         |      | 2.1  | 1.1                   |
| NE                      |       | .1    | .9     | .1      | .1      |         |         |         |         |         |      | 2.1  | 1.2                   |
| ENE                     |       |       | .1     | .1      | .1      | .1      |         |         |         |         |      | 1.1  | 1.2                   |
| E                       |       | .1    | .2     | 1.5     | .4      |         |         |         |         |         |      | 2.1  | 1.2                   |
| ESE                     |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | 1.1  | 1.2                   |
| SE                      |       | .1    | .4     | .9      | .1      |         |         |         |         |         |      | 1.1  | 1.3                   |
| SSE                     |       |       | .1     | .7      | .1      |         |         |         |         |         |      | .4   | 1.3                   |
| S                       |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | 1.4  | 1.3                   |
| SSW                     |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .4   | 1.3                   |
| SW                      |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | 1.4                   |
| WSW                     |       | .1    | .1     | .1      | .1      | .2      |         |         |         |         |      | .1   | 1.4                   |
| W                       |       | .1    | .7     | 1.5     | .4      | .3      |         |         |         |         |      | 1.5  | 1.3                   |
| WNW                     |       | .1    | .1     | 1.1     | .4      | .1      |         |         |         |         |      | 2.4  | 1.4                   |
| NW                      | .1    | 1.6   | 1.1    | 4.0     | 2.3     | .8      | .4      |         |         |         |      | 13.2 | 11.1                  |
| NNW                     | .1    | .1    | 4.0    | 6.1     | 3.5     | .2      | .2      | .1      |         |         |      | 19.1 | 12.9                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| CALM                    | X     | X     | X      | X       | X       | X       | X       | X       | X       | X       | X    | 1.1  |                       |
|                         | .1    | 14.5  | 21.4   | 16.1    | 13.6    | 6.9     | .6      | .1      |         |         |      | 22.7 | 1.8                   |

TOTAL NUMBER OF OBSERVATIONS 111

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56 | %  | MEAN<br>WIND<br>SPEED |
|-----------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|----|----|-----------------------|
| DIR.            |     |     |      |       |       |       |       |       |       |       |    |    |                       |
| N               | .3  | .4  | .7   | 1.4   | .1    | .1    | .1    |       |       |       |    | .1 | 1.7                   |
| NNE             | .4  | .1  | .2   | 1.1   | .1    | .1    | .1    |       |       |       |    | .1 | .1                    |
| NE              | .1  | .1  | .2   | .7    | .1    | .1    | .1    |       |       |       |    | .1 | .1                    |
| ENE             | .1  | .1  | .2   | 1.4   | .1    | .1    | .1    |       |       |       |    | .1 | .1                    |
| E               | .1  | .1  | .2   | .6    | .1    | .1    | .1    |       |       |       |    | .1 | .1                    |
| ESE             |     | .1  | .2   | .6    | .1    | .1    | .1    |       |       |       |    | .1 | .1                    |
| SE              |     | .1  | .4   | .6    | .1    | .1    | .1    |       |       |       |    | .1 | .1                    |
| SSE             | .1  |     | .1   | .1    | .1    | .1    | .1    |       |       |       |    | .1 | .1                    |
| S               |     | .1  | .5   | .6    | .1    | .1    | .1    |       |       |       |    | .1 | .7                    |
| SSW             |     |     | .3   | .4    | .1    | .1    | .1    |       |       |       |    | .1 | .3                    |
| SW              |     | .4  | .1   | .2    | .1    | .1    | .1    |       |       |       |    | .1 | .1                    |
| WSW             |     | .1  | .1   | .3    | .3    | .1    | .1    |       |       |       |    | .1 | .7                    |
| W               |     | .1  | .5   | 1.1   | .5    | .1    | .1    |       |       |       |    | .1 | .6                    |
| WNW             |     | .1  | .2   | .6    | 1.1   | .1    | .1    |       |       |       |    | .1 | .4                    |
| NW              | .1  | .1  | .3   | 3.5   | 2.5   | .3    | .4    |       |       |       |    | .1 | .9                    |
| NNW             | .2  | .1  | 4.4  | 9.4   | 1.1   | 1.2   |       |       |       |       |    | .1 | .8                    |
| VARBL           |     |     |      |       |       |       |       |       |       |       |    |    |                       |
| CALM            |     |     |      |       |       |       |       |       |       |       |    |    |                       |
|                 | 1.4 | 5.1 | 2.1  | 3.2   | 14.9  | 3.1   | .6    |       |       |       |    |    |                       |

TOTAL NUMBER OF OBSERVATIONS 111

31

STATION NAME  
STATION NUMBER  
STATION TYPE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %  | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|----|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |    |    |                       |
| N               | .1    | .1    | .7     | .4      | .5      | .1      | .1      |         |         |         |    | .1 | .1                    |
| NNE             |       | .1    | .1     | .1      | .7      |         | .1      |         |         |         |    | .1 | .1                    |
| NE              |       | .1    | .7     | .1      | .1      |         |         |         |         |         |    | .1 | .1                    |
| ENE             |       | .1    | .1     | .4      | .1      |         |         |         |         |         |    | .1 | .1                    |
| E               |       | .1    | .4     | .1      | .1      | .1      | .1      |         |         |         |    | .1 | .1                    |
| ESE             |       | .1    | .1     | .1      | .4      |         |         |         |         |         |    | .1 | .1                    |
| SE              | .1    | .1    | .1     | .4      |         |         |         |         |         |         |    | .1 | .1                    |
| SSE             |       | .1    | .1     | .1      |         |         |         |         |         |         |    | .1 | .1                    |
| S               |       | .1    | .1     | .7      | .3      |         |         |         |         |         |    | .1 | .1                    |
| SSW             |       | .1    | .1     | .1      | .1      |         |         |         |         |         |    | .1 | .1                    |
| SW              |       | .1    | .1     | .4      | .1      |         |         |         |         |         |    | .1 | .1                    |
| WSW             |       | .1    | .4     | .1      | .1      |         |         |         |         |         |    | .1 | .1                    |
| W               | .1    | .1    | .1     | .1      | .1      |         |         |         |         |         |    | .1 | .1                    |
| WNW             |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |    | .1 | .1                    |
| NW              | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |    | .1 | .1                    |
| NNW             |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |    | .1 | .1                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    | .1 | .1                    |
| CALM            |       |       |        |         |         |         |         |         |         |         |    | .1 | .1                    |
|                 | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |    | .1 | .1                    |

TOTAL NUMBER OF OBSERVATIONS 111

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME CLASS CONDITION YEARS MONTH HOURS EST

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| DIR             |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| N               | .2    |       | .1     | 5.6     | 9.6     | 1.7     | .1      |         |         |         |      | 1.7   | 1.7                   |
| NNE             |       |       | .7     | 1.7     | 1.7     | .1      |         |         |         |         |      | 1.7   | 1.7                   |
| NE              |       |       | .7     | .1      | .6      |         |         |         |         |         |      | 1.4   | 1.4                   |
| ENE             |       |       | .1     | .1      | .2      |         |         |         |         |         |      | .4    | .4                    |
| E               |       |       | .3     | 3.4     | 1.7     | .7      |         |         |         |         |      | 1.7   | 1.7                   |
| ESE             |       |       | .7     | 1.7     | .7      |         |         |         |         |         |      | .7    | .7                    |
| SE              |       |       | .1     | .4      |         |         |         |         |         |         |      | .1    | .1                    |
| SSE             |       |       | .1     | .4      | .1      | .1      |         |         |         |         |      | .1    | .1                    |
| S               |       |       | .1     | .6      | .4      |         |         |         |         |         |      | .1    | .1                    |
| SSW             |       |       | .1     |         | .1      | .1      |         |         |         |         |      | .1    | .1                    |
| SW              |       |       | .1     | 1.7     | .4      | .2      |         |         |         |         |      | .7    | .7                    |
| WSW             |       |       | .1     | .4      | .2      | .1      |         |         |         |         |      | 1.7   | 1.7                   |
| W               |       |       | .1     | 1.7     | .8      | .1      |         |         |         |         |      | .4    | .4                    |
| WNW             |       |       | 1.3    | 1.2     | .5      | .1      |         |         |         |         |      | 3.5   | 11.3                  |
| NW              |       | 1.4   | 1.2    | 7.6     | 3.5     | .6      | .3      | .3      |         |         |      | 16.6  | 14.6                  |
| NNW             |       | .4    | .3     | 9.1     | 6.2     | 1.5     | .2      |         |         |         |      | 19.7  | 18.7                  |
| VARBL           |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |      | 3.7   |                       |
|                 | .2    | .4    | 10.9   | 37.2    | 25.4    | 4.8     | .5      | .3      |         |         |      | 100.0 | 11.5                  |

TOTAL NUMBER OF OBSERVATIONS 1111

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (LST)

CONDITION

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| DIR             |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| N               | .1    | .2    | .4     | .3      | .2      | .1      | .1      |         |         |         |      | .7   | .1                    |
| NNE             |       |       | .2     | .2      | .4      |         |         |         |         |         |      | .1   | .1                    |
| NE              |       | .1    | .4     | .2      | .2      |         |         |         |         |         |      | .1   | .1                    |
| ENE             |       | .1    | .1     | .1      | .3      |         |         |         |         |         |      | .7   | .1                    |
| E               |       | .6    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| ESE             |       | .1    | .1     | .1      | .1      | .4      |         |         |         |         |      | .1   | .1                    |
| SE              |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .1   | .1                    |
| SSE             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| S               |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| SSW             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| SW              |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| WSW             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| W               |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| WNW             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| NW              |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |      | .1   | .1                    |
| NNW             | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |      | .1   | .1                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |      | .1   | .1                    |
| CALM            |       |       |        |         |         |         |         |         |         |         |      | .1   | .1                    |
|                 | .5    | 8.4   | 10.1   | 4.6     | 22.2    | 4.3     | .7      | .3      |         |         |      | 10.1 | 13.1                  |

TOTAL NUMBER OF OBSERVATIONS

111

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1210 WS STATION NAME FORM 0-8-5 (Det 50) YEARS 1964-1965 MONTH 1-7

CLASS 1210 WS HOURS (LST) 1210 WS

CONDITION 1210 WS

| SPEED<br>(KNTS)              | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %     | MEAN<br>WIND<br>SPEED |
|------------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|-------|-----------------------|
| DIR.                         |       |       |        |         |         |         |         |         |         |         |    |       |                       |
| N                            | .2    | .5    | .4     | .2      | .4      | .1      | .1      |         |         |         |    | .2    | .4                    |
| NNE                          |       | .1    | .1     | .1      | .1      |         |         |         |         |         |    | .1    | .4                    |
| NE                           |       | .1    | .1     | .1      | .1      |         |         |         |         |         |    | .1    | .4                    |
| ENE                          |       | .1    | .1     | .1      | .1      |         |         |         |         |         |    | .1    | .4                    |
| E                            |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |    | .1    | .4                    |
| ESE                          |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |    | .1    | .4                    |
| SE                           | .1    | .4    | .1     | .1      | .1      |         |         |         |         |         |    | .1    | .4                    |
| SSE                          | .1    |       |        |         |         |         |         |         |         |         |    | .1    | .4                    |
| S                            |       | .1    | .1     | .1      | .1      |         |         |         |         |         |    | .1    | .4                    |
| SSW                          |       | .1    | .1     | .1      | .1      |         |         |         |         |         |    | .1    | .4                    |
| SW                           |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |    | .1    | .4                    |
| WSW                          |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |    | .1    | .4                    |
| W                            | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |    | .1    | .4                    |
| WNW                          |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |    | .1    | .4                    |
| NW                           |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |    | .1    | .4                    |
| NNW                          | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      |         |    | .1    | .4                    |
| VARBL                        |       |       |        |         |         |         |         |         |         |         |    | .1    | .4                    |
| CALM                         |       |       |        |         |         |         |         |         |         |         |    | .1    | .4                    |
|                              | .5    | 12.4  | 24.1   | 36.9    | 12.6    | 2.5     | .4      | .1      |         |         |    | 100.0 | 11.4                  |
| TOTAL NUMBER OF OBSERVATIONS |       |       |        |         |         |         |         |         |         |         |    |       | 1171                  |

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| N               | .4    | .1    | 1.3    | 12.7    | .6      | .3      | .1      |         |         |         |      | 1.8   | 11.1                  |
| NNE             | .1    | .1    | .3     | .3      | .1      |         |         |         |         |         |      | .6    | 1.4                   |
| NE              | .1    | 2.1   | .6     | .3      | .1      |         |         |         |         |         |      | 3.1   | 1.1                   |
| ENE             | .1    | .1    | .3     | .3      | .1      | .3      |         |         |         |         |      | 1.3   | 1.1                   |
| E               |       |       | 1.6    | 2.3     | .7      | .3      |         |         |         |         |      | 3.9   | 1.7                   |
| ESE             |       | .1    | .3     | .3      | .6      |         |         |         |         |         |      | 1.3   | 1.7                   |
| SE              | .3    | .7    | .5     | .3      |         |         |         |         |         |         |      | 2.3   | 1.7                   |
| SSE             | .3    |       |        |         |         |         |         |         |         |         |      | 1.3   | 1.7                   |
| S               |       | .3    | .3     | .3      |         |         |         |         |         |         |      | 1.2   | 1.4                   |
| SSW             |       |       |        | .3      | .1      |         |         |         |         |         |      | .4    | 1.3                   |
| SW              |       | .1    | .3     | .3      | .3      |         |         |         |         |         |      | 1.3   | 1.3                   |
| WSW             |       | .1    | .4     | .3      |         |         |         |         |         |         |      | 1.3   | 11.1                  |
| W               |       | .1    | .7     | 1.7     | .7      |         |         |         |         |         |      | 3.5   | 11.7                  |
| WNW             |       | .1    | .3     | .3      | .6      | .1      | .1      |         |         |         |      | 1.7   | 16.1                  |
| NW              |       | 1.7   | 3.4    | 4.1     | 1.8     | .6      | .4      |         |         |         |      | 12.3  | 12.6                  |
| NNW             | .4    | 2.1   | 6.2    | 6.7     | 1.8     | .3      | .2      |         |         |         |      | 21.5  | 11.2                  |
| VARBL           |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |      | .3    |                       |
|                 | 1.5   | 16.1  | 22.9   | 34.9    | 9.7     | 1.9     | .7      |         |         |         |      | 100.0 | 11.4                  |

TOTAL NUMBER OF OBSERVATIONS

111



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1210 WS STATION NAME 1210 WS YEARS 1964 MONTH 1

CLASS 1210 WS HOURS (LST) 1210 WS

CONDITION 1210 WS

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N                       | .2    | 5.3   | 7.5    | 4.7     | 3.4     | .7      | .6      | .7      |         |         |      | 3.7  | 1.4                   |
| NNE                     |       | .4    | .2     |         |         |         |         |         |         |         |      | .4   | .4                    |
| NE                      |       | 1.4   | .7     | .4      | .4      |         |         |         |         |         |      | .4   | .4                    |
| FNE                     | .1    | .4    | .2     |         |         |         |         |         |         |         |      | .4   | .4                    |
| E                       | .2    | 2.4   | 3.1    | 2.2     | 1.7     | .4      | .1      |         |         |         |      | 1.7  | .4                    |
| ESE                     |       | .4    | .3     | .6      | .6      |         |         |         |         |         |      | .6   | .4                    |
| SE                      |       | 1.1   | 1.7    | .8      |         |         |         |         |         |         |      | .8   | .4                    |
| SSE                     | .1    | .4    | .3     | .5      |         |         |         |         |         |         |      | .7   | .4                    |
| S                       |       | .4    | 1.5    | 1.3     | .6      | .1      |         |         |         |         |      | 1.7  | 1.3                   |
| SSW                     |       | .4    | .1     | .1      |         |         |         |         |         |         |      | .4   | .7                    |
| SW                      |       | .4    | .4     | .7      | .2      |         |         |         |         |         |      | 1.4  | .4                    |
| WSW                     |       | .1    | .2     | .2      | .2      |         |         |         |         |         |      | .4   | .4                    |
| W                       |       | .7    | .7     | .7      | .6      |         |         |         |         |         |      | .8   | .3                    |
| WNW                     |       | .4    | .2     | .5      | .1      |         |         |         |         |         |      | 1.4  | 1.7                   |
| NW                      | .2    | 1.4   | 2.4    | 3.7     | 1.3     | .1      |         | .2      |         |         |      | 9.6  | 11.6                  |
| NNW                     | .1    | 2.7   | 5.7    | 5.9     | 2.1     | .5      |         |         |         |         |      | 16.4 | 17.6                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.4 |                       |
|                         | .4    | 1.4   | 26.1   | 26.5    | 1.3     | 1.5     | .3      | .4      |         | .2      |      | 26.4 | 4.8                   |

TOTAL NUMBER OF OBSERVATIONS 1210 WS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |     |       |                       |
| N               | .1    | .2    | .9     | 8.2     | 6.6     | .7      |         | .2      | .1      |         |     | 1.1   | 1.1                   |
| NNE             |       | .4    | .2     | .1      |         | .2      |         |         |         |         |     | 1.2   | 1.1                   |
| NE              | .1    | 1.7   | 1.2    | .9      | .3      |         |         |         |         |         |     | 4.2   | 1.3                   |
| ENE             |       | .1    | .2     | .1      |         |         |         |         |         |         |     | .4    | 1.4                   |
| E               | .2    | 3.1   | 2.1    | 2.1     | 2.1     | .1      | .1      |         | .1      | .1      |     | 9.1   | 1.5                   |
| ESE             | .1    | .6    | 1.1    | .9      | .1      |         |         |         |         |         |     | 2.7   | 1.5                   |
| SE              |       | .5    | .9     | .7      |         |         |         |         |         |         |     | 2.6   | 1.3                   |
| SSE             | .1    | .5    | .7     | .1      |         |         |         |         |         |         |     | 1.6   | 1.4                   |
| S               |       | .7    | .7     | 1.2     | .2      | .1      |         |         |         |         |     | 2.8   | 1.4                   |
| SSW             |       | .1    | .3     |         | .1      |         | .2      |         |         |         |     | .4    | 1.3                   |
| SW              |       | .1    | .4     | .4      | .2      |         |         |         |         |         |     | 1.1   | 1.2                   |
| WSW             |       | .1    | .1     | .2      |         |         |         |         |         |         |     | .4    | 1.2                   |
| W               |       | .2    | 1.1    | .9      | .6      |         |         |         |         |         |     | 3.1   | 1.3                   |
| WNW             | .1    | .1    | .2     | .1      | .2      |         |         |         |         |         |     | .7    | 1.4                   |
| NW              | .1    | 1.7   | 2.7    | 3.3     | 1.6     | .5      | .2      |         |         |         |     | 10.1  | 1.5                   |
| NNW             |       | 2.7   | .4     | 5.4     | 2.3     | .7      |         |         |         |         |     | 10.5  | 1.7                   |
| VARBL           |       |       |        |         |         |         |         |         |         |         |     |       |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |     | 15.1  |                       |
|                 | .7    | 11.2  | 20.5   | 24.6    | 12.5    | 2.7     | .4      | .2      | .2      | .1      |     | 100.0 | 1.3                   |

TOTAL NUMBER OF OBSERVATIONS 1279

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_ HOURS \_\_\_\_\_  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| N               | .     | 4.    | .      | 11.     | .       | .       |         |         |         |         |      | .    | .                     |
| NNE             | .     | .     | .      | .       | .       | .       |         |         |         |         |      | .    | .                     |
| NE              | .     | 2.    | .      | 1.      | .       | .       |         |         |         |         |      | .    | .                     |
| ENE             | .     | .     | .      | .       | .       | .       |         |         |         |         |      | .    | .                     |
| E               | .     | .     | 1.     | 2.      | 4.      | 4.      | 1.      | .       |         |         |      | .    | .                     |
| ESE             | .     | .     | .      | 1.      | .       | .       | .       | .       |         |         |      | .    | .                     |
| SE              | .     | 1.    | 1.     | 2.      | .       | .       |         |         |         |         |      | .    | .                     |
| SSE             | .     | .     | .      | 4.      | .       | .       |         |         |         |         |      | .    | .                     |
| S               | .     | .     | 7.     | .       | .       | .       |         |         |         |         |      | .    | .                     |
| SSW             | .     | .     | 2.     | .       | 1.      | .       |         |         |         |         |      | .    | .                     |
| SW              | .     | .     | .      | .       | 1.      | .       |         |         |         |         |      | .    | .                     |
| WSW             | .     | 2.    | .      | .       | 1.      | .       |         |         |         |         |      | .    | .                     |
| W               | 1.    | 2.    | 7.     | 7.      | 2.      | 1.      |         |         |         |         |      | .    | .                     |
| WNW             | .     | .     | 1.     | 7.      | 6.      | .       |         |         |         |         |      | .    | .                     |
| NW              | .     | 1.    | 7.     | 1.      | 4.      | 7.      |         | 2.      | 1.      |         |      | .    | .                     |
| NNW             | 7.    | 1.    | 4.     | 2.      | 2.      | 7.      |         |         |         |         |      | .    | .                     |
| VARBL           |       |       |        |         |         |         |         |         |         |         |      | 13.6 | .                     |
| CALM            |       |       |        |         |         |         |         |         |         |         |      | 13.1 | .                     |
|                 | 1.5   | 7.7   | 23.4   | 31.     | 11.3    | 7.6     | 1.      | .       | 1.      |         |      |      | .                     |

TOTAL NUMBER OF OBSERVATIONS

(65)

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ CLASS \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
HOURS \_\_\_\_\_

| SPEED<br>(KNTS)              | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | >56 | %    | MEAN<br>WIND<br>SPEED |
|------------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|------|-----------------------|
| DIR                          |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| N                            | .1    | 1.0   | 4.7    | 1.0     | 1.0     | .4      | .7      |         |         |         |     | 4.0  | 4.0                   |
| NNE                          |       |       | .1     | .7      | .3      |         |         |         |         |         |     | 1.0  | 4.0                   |
| NE                           | .1    | .0    | .1     | .0      | .3      |         |         |         |         |         |     | 1.4  | 4.0                   |
| ENE                          |       | .0    | .1     | .0      | .3      | .1      |         |         |         |         |     | .7   | 4.4                   |
| E                            | .1    | .0    | 1.0    | 3.0     | 2.5     | .0      | .1      |         |         |         |     | 1.7  | 4.4                   |
| ESE                          |       | .0    | .0     | 1.3     | .0      | .0      |         |         |         |         |     | 4.1  | 4.7                   |
| SE                           |       | 1.7   | 4.0    | 1.4     | .0      |         |         |         |         |         |     | 3.8  | 4.7                   |
| SSE                          | .1    | .0    | 1.3    | .0      |         |         |         |         |         |         |     | 3.1  | 4.7                   |
| S                            | .0    | 1.2   | 1.7    | 1.4     | .1      |         |         |         |         |         |     | 6.7  | 4.6                   |
| SSW                          | .1    | .0    | .7     | .0      | .0      |         |         |         |         |         |     | 1.0  | 4.1                   |
| SW                           |       | .0    | 1.0    | .4      | .0      |         |         |         |         |         |     | 3.0  | 4.1                   |
| WSW                          |       | .0    | .0     | .0      | .0      |         |         |         |         |         |     | .0   | 4.1                   |
| W                            |       | 1.0   | 1.0    | 1.1     | .0      |         |         |         |         |         |     | 1.0  | 4.0                   |
| WNW                          | .1    | .0    | .0     | .0      | .0      | .0      |         |         |         |         |     | .0   | 4.1                   |
| NW                           | .1    | 1.1   | .1     | 4.0     | 1.0     | .0      | .0      | .1      |         |         |     | 11.7 | 4.4                   |
| NNW                          | .0    | .0    | 2.1    | 5.0     | 3.0     | 1.1     |         |         |         |         |     | 12.0 | 4.7                   |
| VARBL                        |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| CALM                         |       |       |        |         |         |         |         |         |         |         |     | 7.0  |                       |
|                              | .9    | 12.1  | 24.2   | 13.7    | 16.7    | 3.0     | .7      | .1      |         |         |     | 77.0 | 11.6                  |
| TOTAL NUMBER OF OBSERVATIONS |       |       |        |         |         |         |         |         |         |         |     |      | 1109                  |

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | %  | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|----|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |     |    |                       |
| N               | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| NNE             |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| NE              |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| ENE             |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| E               | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| ESE             |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| SE              |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| SSE             |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| S               |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| SSW             |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| SW              |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| WSW             | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| W               | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| WNW             |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| NW              | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| NNW             |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |     |    |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |     |    |                       |
|                 | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1  | .1 | .1                    |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1000 STATION NAME 1000 YEARS 1967 MONTH 1  
CLASS 1000 HOURS 1 2 3  
CONDITION 1000

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|------|-----------------------|
| DIR             |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| N               |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| NNE             |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| NE              |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| ENE             |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| E               |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| ESE             |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| SE              |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| SSE             |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| S               |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| SSW             |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| SW              |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| WSW             |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| W               |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| WNW             |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| NW              |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| NNW             |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |    |      |                       |
|                 | .7    | 11.   | 24.6   | 13.4    | 2.3     | 4.9     | .3      |         |         |         |    | 62.7 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS 120

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS LST \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |      |                       |
| N               | .     | .     | 1.6    | .       | .       | 1.7     | .       | .       | .       | .       | .    | 1.4                   |
| NNE             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | 1.7                   |
| NE              | .     | .     | 1.4    | 1.0     | .       | .       | .       | .       | .       | .       | .    | 1.4                   |
| ENE             | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | 1.4                   |
| E               | 1.1   | 1.1   | 1.5    | 3.4     | 1.2     | 1.4     | .       | .       | .       | .       | .    | 1.4                   |
| ESE             | 1.1   | 1.1   | 1.4    | 1.0     | .       | .       | .       | .       | .       | .       | .    | 1.4                   |
| SE              | .     | 1.1   | 1.2    | 1.1     | 1.1     | .       | .       | .       | .       | .       | .    | 1.4                   |
| SSE             | .     | .     | 1.7    | 1.1     | 1.1     | .       | .       | .       | .       | .       | .    | 1.4                   |
| S               | 1.1   | .     | 1.1    | .       | 1.2     | .       | .       | .       | .       | .       | .    | 1.4                   |
| SSW             | .     | .     | 1.1    | 1.1     | 1.1     | .       | .       | .       | .       | .       | .    | 1.4                   |
| SW              | .     | 1.1   | 1.1    | 1.4     | 1.7     | 1.1     | .       | .       | .       | .       | .    | 1.4                   |
| WSW             | .     | .     | .      | 1.1     | .       | .       | .       | .       | .       | .       | .    | 1.4                   |
| W               | .     | 1.1   | 1.1    | 1.1     | 1.4     | .       | .       | .       | .       | .       | .    | 1.4                   |
| WNW             | .     | 1.1   | 1.1    | 1.1     | 1.2     | 1.2     | .       | .       | .       | .       | .    | 1.4                   |
| NW              | 1.1   | 1.1   | 1.1    | 1.1     | 1.1     | 1.1     | 1.1     | .       | .       | .       | .    | 1.4                   |
| NNW             | 1.1   | 1.1   | 1.1    | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | .       | .       | .    | 1.4                   |
| VARBL           | .     | .     | 1.4    | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1  | 1.4                   |
| CALM            | .     | .     | .      | .       | .       | .       | .       | .       | .       | .       | .    | 1.4                   |
|                 | 1.1   | 1.1   | 1.1    | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1  | 1.4                   |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1210 WS STATION NAME WIND OBSERVATION YEARS 1954-57 MONTH ALL  
CLASS 1210 WS HOURS 1210 LST 1210  
CONDITION 1210 WS

| SPEED (KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %  | MEAN WIND SPEED |
|--------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|----|-----------------|
| DIR.         |       |       |        |         |         |         |         |         |         |         |      |    |                 |
| N            | .1    | .4    | .4     | .4      | .7      | .7      |         |         |         |         |      | .1 | 1.1             |
| NNE          |       | .4    | .2     | .2      |         |         |         |         |         |         |      | .1 | .7              |
| NE           | .1    |       | .2     | .1      | .2      |         |         |         |         |         |      | .1 | .7              |
| ENE          |       |       | .2     | .1      |         |         |         |         |         |         |      | .1 | .7              |
| E            |       | .7    | .2     | .7      | .7      | .4      |         | .1      | .1      | .1      |      | .1 | 1.1             |
| ESE          |       | .4    | .6     | .2      | .4      |         |         |         |         |         |      | .1 | .7              |
| SE           | .4    | .1    | .6     | .2      | .7      |         |         |         |         |         |      | .1 | .7              |
| SSE          | .1    | .7    | .4     | .8      | .1      | .1      |         |         |         |         |      | .1 | .7              |
| S            | .1    | .6    | .9     | .7      | .3      |         |         |         |         |         |      | .1 | .7              |
| SSW          | .1    | .1    | .6     | .1      |         |         |         |         |         |         |      | .1 | .7              |
| SW           |       | .7    | .8     | .1      | .5      |         |         |         |         |         |      | .1 | .7              |
| WSW          |       |       | .1     |         |         |         |         |         |         |         |      | .1 | .7              |
| W            |       | .7    | .2     | .7      | .4      |         |         |         |         |         |      | .1 | .7              |
| WNW          |       | .7    | .4     | .7      |         |         |         |         |         |         |      | .1 | .7              |
| NW           | .2    | .1    | .2     | .2      | .8      | .3      |         | .1      |         |         |      | .1 | .7              |
| NNW          | .1    | .2    | .9     | .7      | .4      | .4      |         |         |         |         |      | .1 | .7              |
| VA. BL       |       |       |        |         |         |         |         |         |         |         |      | .1 | .7              |
| CALM         |       |       |        |         |         |         |         |         |         |         |      | .1 | .7              |

TOTAL NUMBER OF OBSERVATIONS 1210



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| N               |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| NNE             |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| NE              |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| ENE             |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| E               |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| ESE             |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| SE              |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| SSE             |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| S               |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| SSW             |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| SW              |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| WSW             |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| W               |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| WNW             |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| NW              |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| NNW             |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| VARBL           |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |      |     |                       |
|                 | 1.6   | 2.1   | 2.4    | 1.1     | 1.4     | .4      | .3      | .3      |         |         |      | 1.4 | 1.4                   |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

55

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PLACE \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|---|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| N               |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| NNE             |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| NE              |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| ENE             |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| E               |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| ESE             |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| SE              |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| SSE             |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| S               |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| SSW             |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| SW              |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| WSW             |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| W               |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| WNW             |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| NW              |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| NNW             |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| VARBL           |       |       |        |         |         |         |         |         |         |         |     |   |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |     |   |                       |

TOTAL NUMBER OF OBSERVATIONS 117

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HURRICANE \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| N               |       | 4.0   | 2.0    | 6.0     | 4.0     | 1.0     |         |         |         |         |    | 1.0  | 1.0                   |
| NNE             | .1    |       |        |         |         |         |         |         |         |         |    |      |                       |
| NE              | .2    |       | .4     | .1      | .4      |         |         |         |         |         |    |      |                       |
| ENE             | .1    |       | .3     | .2      |         |         |         |         |         |         |    |      |                       |
| E               | .3    | 4.2   | 6.8    | 8.8     | 1.0     | .1      | .1      |         |         |         |    |      |                       |
| ESE             | .1    | 1.0   | 3.7    | 2.6     | .3      | .2      |         |         |         |         |    |      |                       |
| SE              | .6    |       | 2.5    | 2.1     | .5      | .3      |         |         |         |         |    |      |                       |
| SSE             | .7    | .9    | .5     | .3      |         |         |         |         |         |         |    |      |                       |
| S               | .1    |       | .7     | .3      |         |         |         |         |         |         |    |      |                       |
| SSW             |       |       | .2     | .2      | .1      |         |         |         |         |         |    |      |                       |
| SW              | .1    | .6    | .6     | .1      | .3      |         | .1      |         |         |         |    |      |                       |
| WSW             |       | .1    | .7     |         | .1      |         |         |         |         |         |    |      |                       |
| W               | .3    | 1.1   | .3     | .3      | .2      | .1      |         |         |         |         |    |      |                       |
| WNW             |       | .7    | .4     | .3      |         |         |         |         |         |         |    |      |                       |
| NW              | .2    | 2.1   | 1.8    | 3.2     | .9      | .7      | .1      |         |         |         |    |      |                       |
| NNW             | .2    | 1.0   | .1     | 2.7     | .3      |         |         |         |         |         |    |      |                       |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |    | 18.1 |                       |
|                 | 2.1   | 22.5  | 23.0   | 24.2    | 6.9     | 2.1     | .2      | .3      |         |         |    | 12.0 | 7.2                   |

TOTAL NUMBER OF OBSERVATIONS 1169

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (LST)

CONDITION

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----------------------|
| DIR             |       |       |        |         |         |         |         |         |         |         |     |       |                       |
| N               | .1    | .1    | .1     | .4      | .1      | .1      |         |         |         |         |     | .3    | .1                    |
| NNE             |       |       | .1     | .1      | .1      |         |         |         |         |         |     | .1    | .1                    |
| NE              | .1    | .1    | .1     | .1      | .4      | .1      |         |         |         |         |     | .1    | .1                    |
| ENE             |       | .1    |        |         |         |         |         |         |         |         |     | .1    | .1                    |
| E               |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| ESE             |       | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |     | .1    | .1                    |
| SE              | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| SSE             | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| S               | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| SSW             |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| SW              |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| WSW             | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| W               | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| WNW             |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| NW              |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| NNW             | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |     | .1    | .1                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |     | .1    | .1                    |
| CALM            |       |       |        |         |         |         |         |         |         |         |     | .1    | .1                    |
|                 | 1.0   | 15.9  | 29.4   | 30.1    | 11.4    | 3.8     | .3      | .3      |         |         |     | 100.0 | 1.7                   |

TOTAL NUMBER OF OBSERVATIONS

117

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_ HOURS \_\_\_\_\_ LST \_\_\_\_\_  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|-----|-----------------------|
| DIR             |       |       |        |         |         |         |         |         |         |         |    |     |                       |
| N               |       | .1    | .3     | .4      | .5      | .1      |         |         |         |         |    | .4  | .1                    |
| NNE             |       |       |        |         | .4      |         |         |         |         |         |    | .2  | .1                    |
| NE              |       | .1    | .2     | .1      | .4      |         |         |         |         |         |    | .2  | .1                    |
| ENE             |       |       |        |         |         |         |         |         |         |         |    | .1  | .1                    |
| E               |       | 2.1   | .3     | .5      | 7.2     | 1.3     | .1      |         |         |         |    | .1  | .1                    |
| ESE             | .1    | 2.7   | .4     | .1      | 1.4     | .1      |         | .1      |         |         |    | .1  | .1                    |
| SE              | .1    | .3    | .3     | .4      | 1.2     | .3      |         |         |         |         |    | .1  | .1                    |
| SSE             | .1    | 1.4   | .2     | .4      | .1      |         |         |         |         |         |    | .1  | .1                    |
| S               |       | .1    | .2     | .1      |         |         | .2      |         |         |         |    | .1  | .1                    |
| SSW             |       | .1    | .2     | .1      |         |         |         |         |         |         |    | .1  | .1                    |
| SW              |       | .1    | .4     | .4      | .3      |         |         |         |         |         |    | .1  | .1                    |
| WSW             |       | .5    | .6     | .1      |         |         |         |         |         |         |    | .1  | .1                    |
| W               | .2    | 1.5   | .9     | 1.7     | .4      |         |         |         |         |         |    | .1  | .1                    |
| WNW             |       | .2    | .6     | .7      | .6      |         |         |         |         |         |    | .1  | .1                    |
| NW              |       | .7    | .3     | 2.2     | 2.9     | .9      |         |         |         |         |    | .1  | .1                    |
| NNW             | .1    | .1    | .1     | 2.8     | 1.9     | .2      |         |         |         |         |    | .1  | .1                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    | .1  | .1                    |
| CALM            |       |       |        |         |         |         |         |         |         |         |    | .4  | .1                    |
|                 | .8    | 15.1  | 2.2    | 12.5    | 15.5    | 4.2     | .6      | .2      |         |         |    | 1.7 | .1                    |

TOTAL NUMBER OF OBSERVATIONS 1.7

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| N               | .1    | .     | .5     | .6      | .2      | .       |         |         |         |         |      | 1.4   | 1.1                   |
| NNE             |       |       |        |         |         | .1      |         |         |         |         |      | .1    |                       |
| NE              |       | .     | .5     |         |         |         |         |         |         |         |      | .6    | 7.1                   |
| ENE             |       |       |        | .2      | .4      |         |         |         |         |         |      | .4    | 1.0                   |
| E               | .3    | .4    | .5     | 6.7     | 1.4     | .2      | .7      | .1      |         |         |      | 14.9  | 12.7                  |
| ESE             |       | .     | 3.7    | 4.4     | .2      | .4      | .1      |         |         |         |      | 9.3   | 10.1                  |
| SE              | .7    | 3.7   | 5.7    | 2.6     | 1.2     | .       |         |         |         |         |      | 22.7  | 9.6                   |
| SSE             | .4    | .7    | .5     | .6      |         |         |         |         |         |         |      | 1.1   | 1.1                   |
| S               | .1    | .1    | .4     | .6      |         | .1      |         |         |         |         |      | 4.4   | 1.6                   |
| SSW             |       |       | .3     | .2      |         |         |         |         |         |         |      | .4    |                       |
| SW              |       | 1.4   | .9     | .2      |         | .2      |         |         |         |         |      | .7    | 2.1                   |
| WSW             |       | .     | .4     | .1      | .1      |         |         |         |         |         |      | 1.1   | 1.1                   |
| W               | .1    | 2.3   | 2.5    | 1.2     | .4      |         |         |         |         |         |      | 6.5   | 6.1                   |
| WNW             |       | .4    | .9     | .2      | .2      |         |         |         |         |         |      | 1.7   | 3.6                   |
| NW              |       | .1    | .4     | 4.7     | 2.3     | .3      |         |         |         |         |      | 11.8  | 12.1                  |
| NNW             | .1    | .     | .1     | 4.4     | 1.1     | .6      |         |         |         |         |      | 6.7   | 12.2                  |
| VARBL           |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |      | 6.1   |                       |
|                 | 1.2   | 15.   | 24.1   | 11.7    | 11.2    | 3.4     | .2      | .1      |         |         |      | 100.0 | 1.7                   |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (LST)

CONDITION

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| N               |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| NNE             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| NE              |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| ENE             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| E               | .1    | .1    | .7     | .1      | .1      | .1      | .1      | .1      |         |         |    | .1   | .1                    |
| ESE             | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      |         |    | .1   | .1                    |
| SE              | .4    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      |         |    | .1   | .1                    |
| SSE             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| S               |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| SSW             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| SW              |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| WSW             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| W               | .1    | .4    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| WNW             | .1    | .4    | .1     | .1      | .1      | .1      |         |         |         |         |    | .1   | .1                    |
| NW              | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |    | .1   | .1                    |
| NNW             | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |    | .1   | .1                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    |      |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |    | 24.6 |                       |
|                 | .1    | 2.2   | 21.5   | 24.9    | 1.1     | 2.2     | .4      | .1      |         |         |    | 11.7 |                       |

TOTAL NUMBER OF OBSERVATIONS

117

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1210 WS STATION NAME 1210 WS YEARS 1955-57

CLASS 1210 WS MONTH 12

CONDITION 1210 WS HOURS (LST) 12

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| N               |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| NNE             |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| NE              |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| ENE             |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| E               |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| ESE             |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| SE              |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| SSE             |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| S               |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| SSW             |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| SW              |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| WSW             |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| W               |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| WNW             |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| NW              |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| NNW             |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| VARBL           |       |       |        |         |         |         |         |         |         |         |     |      |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |     |      |                       |
|                 | 7.1   | 2.4   | 2.4    | 2.4     | 7.2     | 2.7     | .3      | .3      |         |         |     | 12.7 |                       |

TOTAL NUMBER OF OBSERVATIONS 1103



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N                       | .3    | .4    | .2     | .5      | .7      |         |         |         |         |         |      | 1.2 | .7                    |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      | .7  | .7                    |
| NE                      | .1    | .2    | .4     | .3      |         |         |         |         |         |         |      | .7  | .7                    |
| ENE                     |       | .1    | .4     | .3      |         |         |         |         |         |         |      | .7  | .7                    |
| E                       | .7    | .1    | .4     | .4      | .3      | .7      | .1      |         |         |         |      | .7  | .7                    |
| ESE                     | .4    | .1    | .4     | .3      | .3      | .7      |         |         |         |         |      | .7  | .7                    |
| SE                      | .1    | .1    | .4     | .3      | .4      |         |         |         |         |         |      | .7  | .7                    |
| SSE                     |       | .1    | .4     | .3      | .1      |         |         |         |         |         |      | .7  | .7                    |
| S                       |       | .1    | .4     | .3      |         |         |         |         |         |         |      | .7  | .7                    |
| SSW                     |       |       | .4     | .3      |         |         |         |         |         |         |      | .7  | .7                    |
| SW                      |       | .1    | .4     |         |         |         |         |         |         |         |      | .7  | .7                    |
| WSW                     |       | .1    | .4     |         |         |         |         |         |         |         |      | .7  | .7                    |
| W                       |       | .1    | .4     | .3      | .3      | .1      |         |         |         |         |      | .7  | .7                    |
| WNW                     | .1    | .1    | .4     | .3      | .1      |         |         |         |         |         |      | .7  | .7                    |
| NW                      | .3    | .1    | .4     | .3      | .6      |         |         |         |         |         |      | .7  | .7                    |
| NNW                     | .4    | .1    | .4     | .3      | .2      |         |         |         |         |         |      | .7  | .7                    |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      | .7  | .7                    |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .7  | .7                    |
|                         | .4    | .2    | .4     | .3      | .3      | .6      | .1      |         |         |         |      | .7  | .7                    |

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_  
 LOCATION \_\_\_\_\_

| SPEED<br>(KNTS)              | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | %   | MEAN<br>WIND<br>SPEED |
|------------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|-----|-----------------------|
| DIR.                         |       |       |        |         |         |         |         |         |         |         |    |     |                       |
| N                            |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| NNE                          |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| NE                           |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| ENE                          |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| E                            |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| ESE                          |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| SE                           |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| SSE                          |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| S                            |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| SSW                          |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| SW                           |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| WSW                          |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| W                            |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| WNW                          |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| NW                           |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| NNW                          |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| VARBL                        |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| CALM                         |       |       |        |         |         |         |         |         |         |         |    | 4.7 |                       |
| TOTAL NUMBER OF OBSERVATIONS |       |       |        |         |         |         |         |         |         |         |    |     |                       |

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_  
 CONTIN \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| N               | .1    | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .1   | .1                    |
| NNE             |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .1   | .1                    |
| NE              |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .1   | .1                    |
| ENE             | .1    | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .1   | .1                    |
| E               | .4    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| ESE             | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| SE              | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | .1   | .1                    |
| SSE             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| S               | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| SSW             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| SW              |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| WSW             |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| W               | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| WNW             | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| NW              | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| NNW             | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1   | .1                    |
| VARBL           |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |      | 20.4 |                       |

TOTAL NUMBER OF OBSERVATIONS 1219

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_ NO. OF ESTS \_\_\_\_\_  
FUNCTION \_\_\_\_\_

| SPEED<br>(KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56 | % | MEAN<br>WIND<br>SPEED |
|-----------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----|---|-----------------------|
| DIR.            |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| N               |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| NNE             |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| NE              |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| ENE             |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| E               |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| ESE             |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| SE              |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| SSE             |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| S               |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| SSW             |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| SW              |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| WSW             |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| W               |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| WNW             |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| NW              |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| NNW             |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| VARBL           |       |       |        |         |         |         |         |         |         |         |    |   |                       |
| CALM            |       |       |        |         |         |         |         |         |         |         |    |   |                       |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS 2 8

UNITED STATES DISTRICT COURT  
DISTRICT OF COLUMBIA  
JAMES M. HILL, JR., Plaintiff,  
vs.  
UNITED STATES OF AMERICA, Defendant.

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

|         |              |       |       |
|---------|--------------|-------|-------|
| STATION | STATION NAME | YEARS | COUNT |
|         | CLASS        |       |       |
|         | FUNCTION     |       |       |

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N                       |       |       |        | 4.7     | 0.3     | 0.3     |         |         |         |         |      | 0.1  | 0.1                   |
| NNE                     |       |       |        | 0.3     |         |         |         |         |         |         |      | 0.1  | 0.1                   |
| NE                      | 0.1   |       | 0.4    | 0.3     |         |         |         |         |         |         |      | 1.1  | 0.1                   |
| ENE                     |       |       | 0.4    |         |         |         |         |         |         |         |      | 0.4  | 0.1                   |
| E                       | 0.2   | 0.4   | 0.7    | 4.4     | 1.0     | 0.4     | 0.1     |         |         |         |      | 1.1  | 0.4                   |
| ESE                     |       | 1.0   | 0.4    | 4.4     | 0.6     | 0.1     |         |         |         |         |      | 1.1  | 0.4                   |
| SE                      | 0.2   | 4.3   | 0.2    | 0.4     | 0.7     |         |         |         |         |         |      | 0.7  | 0.7                   |
| SSE                     | 0.2   | 0.6   | 0.7    |         |         |         |         |         |         |         |      | 0.1  | 0.2                   |
| S                       | 0.6   | 0.6   | 0.7    | 0.6     | 0.7     |         |         |         |         |         |      | 1.7  | 0.7                   |
| SSW                     |       | 0.6   | 0.7    | 0.4     | 0.1     |         |         |         |         |         |      | 1.4  | 0.7                   |
| SW                      | 0.4   | 0.6   | 0.6    | 0.1     |         |         |         |         |         |         |      | 0.4  | 0.7                   |
| WSW                     |       |       | 0.1    |         |         |         |         |         |         |         |      | 0.7  | 0.1                   |
| W                       | 0.2   | 0.6   | 0.4    | 0.1     | 0.5     |         |         |         |         |         |      | 0.7  | 0.1                   |
| WNW                     |       | 0.6   | 0.7    | 0.7     | 0.6     |         |         |         |         |         |      | 0.1  | 0.3                   |
| NW                      |       | 1.0   | 0.6    | 0.6     | 0.6     |         |         |         |         |         |      | 0.1  | 0.4                   |
| NNW                     |       | 0.7   | 0.6    | 0.6     | 0.7     |         |         |         |         |         |      | 0.1  | 0.4                   |
| VAPBL                   |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 12.0 |                       |
|                         | 1.3   | 21.1  | 30.2   | 20.7    | 0.7     | 0.7     | 0.1     |         |         |         |      | 10.0 | 0.7                   |

TOTAL NUMBER OF OBSERVATIONS 1403

3

STATION NO. 1210 WS  
 DATE 12/1/54  
 CITY, STATE, COUNTRY

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 1210 WS DATE 12/1/54 CITY, STATE, COUNTRY

WIND DIRECTION CLASS

WIND SPEED CLASS

| SPEED (KNTS) DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN WIND SPEED |
|-------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------|
| N                 | .1  | 4.7  | 4.4  | 2.9   | .1    |       |       |       |       |       |      | 2.7  | 2.1             |
| NNE               |     | .1   | .7   | .1    | .1    |       |       |       |       |       |      | 1.7  | .1              |
| NE                | .1  |      | .7   | .1    |       |       |       |       |       |       |      | 1.7  | .1              |
| ENE               |     |      |      | .1    |       |       |       |       |       |       |      | .7   | .1              |
| E                 | .2  | 4.7  | 3.1  | 4.7   | 1.7   | .1    | .1    | .1    |       |       |      | 7.7  | .4              |
| ESE               |     | 1.4  | 1.1  | 2.5   | .1    |       |       |       |       |       |      | 4.7  | .1              |
| SE                |     |      | 1.1  | 1.1   | .7    | .1    |       |       |       |       |      | 3.7  | .7              |
| SSE               |     | .1   | .1   |       |       |       |       |       |       |       |      | .7   | .1              |
| S                 | .1  | .1   | .4   | .7    | .7    |       |       |       |       |       |      | 2.7  | .4              |
| SSW               |     | .1   | .1   |       |       |       |       |       |       |       |      | .7   | .1              |
| SW                | .1  | .1   | .1   |       |       |       |       |       |       |       |      | 1.7  | .1              |
| WSW               |     | .1   | .1   |       |       |       |       |       |       |       |      | .7   | .1              |
| W                 | .1  | 1.1  | 1.3  | .4    | .4    |       |       |       |       |       |      | 4.7  | .1              |
| WNW               |     | 1.1  | 1.1  | .1    | .1    |       |       |       |       |       |      | 3.7  | .1              |
| NW                | .7  | 1.1  | 1.1  | 1.1   | .1    |       |       |       |       |       |      | 4.7  | .1              |
| NNW               | .2  | 1.1  | 1.1  | 1.7   | .1    | .1    |       |       |       |       |      | 4.7  | .1              |
| VARBL             |     |      |      |       |       |       |       |       |       |       |      |      |                 |
| CALM              |     |      |      |       |       |       |       |       |       |       |      |      |                 |
|                   | 1.7 | 24.6 | 26.7 | 17.7  | 4.1   | .1    | .1    | .1    |       |       |      | 11.7 | .6              |

TOTAL NUMBER OF OBSERVATIONS 211

UNITED STATES DEPARTMENT OF COMMERCE  
NAVY, MARINE CORPS  
NAVY, MARINE CORPS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME STATION NAME YEARS 1951-1952

CLASS CLASS

LOCATION LOCATION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %    | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N                       | .   | 4.4  | 4.7  | .     | .     |       |       |       |       |       |     | 1.1  | 1.1                   |
| NNE                     | .   | .    | .    | .     | .     |       |       |       |       |       |     | 1.1  | 1.1                   |
| NE                      | 1.1 | 7.7  | 1.2  |       |       |       |       |       |       |       |     | 1.1  | 1.7                   |
| ENE                     |     | .    | 1.1  | 1.1   |       |       |       |       |       |       |     | 1.1  | 1.1                   |
| E                       | 1.1 | 4.4  | .    | 4.7   | 1.1   | 1.1   |       | 1.1   |       |       |     | 1.1  | 1.1                   |
| ESE                     | .   | 2.2  | 1.1  | 1.1   | 1.1   | 1.1   | 1.1   |       |       |       |     | 1.1  | 1.1                   |
| SE                      | 1.1 | 4.4  | 1.1  | 1.1   | 1.1   |       |       |       |       |       |     | 1.1  | 1.1                   |
| SSE                     |     | .    | 1.1  |       |       |       |       |       |       |       |     | 1.1  | 1.1                   |
| S                       |     | .    | 1.1  | .     | 1.1   |       |       |       |       |       |     | 1.1  | 1.1                   |
| SSW                     |     | .    |      | 1.1   |       |       |       |       |       |       |     | 1.1  | 1.1                   |
| SW                      |     | 1.1  | 1.1  |       |       |       |       |       |       |       |     | 1.1  | 1.1                   |
| WSW                     |     | .    | .    |       |       |       |       |       |       |       |     | 1.1  | 1.1                   |
| W                       | 1.1 | 7.7  | 1.1  | .     | 1.1   |       |       |       |       |       |     | 1.1  | 1.1                   |
| WNW                     |     | .    | 1.1  | .     | 1.1   |       |       |       |       |       |     | 1.1  | 1.1                   |
| NW                      | 1.1 | 4.4  | 1.1  | 1.1   | 1.1   |       |       |       |       |       |     | 1.1  | 1.1                   |
| NNW                     | 1.1 | 1.1  | 1.1  | 1.1   |       |       |       |       |       |       |     | 1.1  | 1.1                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |      |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     | 1.1  |                       |
|                         | 1.1 | 22.9 | 21.8 | 11.1  | 4.7   | 1.1   |       | 1.1   |       |       |     | 11.1 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS 127



1210 WS  
 1210 WS  
 1210 WS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: 1210 WS CLASS: 1210 WS YEARS: 1210 WS

STATION NAME: 1210 WS CLASS: 1210 WS YEARS: 1210 WS

STATION NAME: 1210 WS CLASS: 1210 WS YEARS: 1210 WS

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------|
| N                 |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| NNE               |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| NE                |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| ENE               |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| E                 |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| ESE               |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| SE                |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| SSE               |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| S                 |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| SSW               |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| SW                |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| WSW               |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| W                 |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| WNW               |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| NW                |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| NNW               |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |   |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |   |                 |

TOTAL NUMBER OF OBSERVATIONS 1210 WS

3

STATION NAME  
 LOCATION  
 DATE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME \_\_\_\_\_ DATE \_\_\_\_\_

LOCATION \_\_\_\_\_

CLASS \_\_\_\_\_

PERIOD \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N                       | 1     | 4     |        |         |         |         |         |         |         |         |      |   |                       |
| NNE                     | 1     |       | 1      |         |         |         |         |         |         |         |      |   |                       |
| NE                      | 1     |       |        |         |         |         |         |         |         |         |      |   |                       |
| ENE                     |       |       | 4      |         |         |         |         |         |         |         |      |   |                       |
| E                       | 1     | 6     | 1      | 1       | 1       | 1       | 1       |         |         |         |      |   |                       |
| ESE                     | 1     | 1     | 1      | 1       | 1       | 1       |         |         |         |         |      |   |                       |
| SE                      | 1     | 1     | 1      | 1       |         |         |         |         |         |         |      |   |                       |
| SSE                     |       |       | 1      | 1       |         |         |         |         |         |         |      |   |                       |
| S                       |       | 1     | 1      | 1       |         |         |         |         |         |         |      |   |                       |
| SSW                     |       |       |        | 1       |         |         |         |         |         |         |      |   |                       |
| SW                      |       |       | 1      | 1       |         |         |         |         |         |         |      |   |                       |
| WSW                     |       |       |        |         | 1       | 1       |         |         |         |         |      |   |                       |
| W                       | 1     | 1     | 1      | 1       | 1       |         |         |         |         |         |      |   |                       |
| WNW                     |       |       | 1      | 1       |         |         |         |         |         |         |      |   |                       |
| NW                      | 1     | 1     | 1      | 1       |         |         |         |         |         |         |      |   |                       |
| NNW                     |       | 1     | 1      | 1       |         |         |         |         |         |         |      |   |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |   |                       |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

3

STATION NAME  
STATION NUMBER  
DATE

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME STATION NUMBER DATE YEARS MONTH

CLASS PERIOD

CONTINUED

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N                       |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| S                       |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| W                       |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| WNW                     |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| NW                      |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |      |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |      |                       |
|                         | 1.5   | 2.5   | 23.4   | 14.5    | 9.0     | 0.0     |         |         |         |         |      | 71.5 |                       |

TOTAL NUMBER OF OBSERVATIONS 117

3

U.S. COAST AND GEOD. SURV.  
 FORM NO. 10  
 SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME NO. 10 DATE 10-1-60 YEAR 1960

CLASS NO. 10

CONTINENT

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN<br>AND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|----------------------|
| N                       |       |       | .7     | .4      | .1      | .1      |         |         |         |         |      | .2   | 1.4                  |
| NNE                     |       | .1    |        | .2      | .1      |         |         |         |         |         |      | .1   | .2                   |
| NE                      |       |       | .2     | .2      | .1      |         |         |         |         |         |      | .1   | .2                   |
| ENE                     |       |       | .2     |         |         |         |         |         |         |         |      | .1   | .2                   |
| E                       |       | .2    | .2     | .4      |         |         |         |         |         |         |      | .2   | .4                   |
| ESE                     | .2    | .2    | .4     | .2      | .3      |         |         |         |         |         |      | .4   | .7                   |
| SE                      | .2    | .4    | .4     | .2      | .2      |         |         |         |         |         |      | .4   | .7                   |
| SSE                     | .2    | .2    | .2     | .2      |         |         |         |         |         |         |      | .2   | .7                   |
| S                       | .2    | .2    | .2     | .2      | .1      |         |         |         |         |         |      | .2   | .7                   |
| SSW                     |       | .2    | .2     |         |         |         |         |         |         |         |      | .2   | .7                   |
| SW                      |       | .1    | .2     | .2      | .1      |         |         |         |         |         |      | .2   | .7                   |
| WSW                     |       | .2    | .2     | .2      |         |         |         |         |         |         |      | .2   | .7                   |
| W                       | .2    | .2    | .2     | .2      | .2      |         |         |         |         |         |      | .7   | .7                   |
| WNW                     |       | .2    | .2     | .2      | .2      |         |         |         |         |         |      | .2   | .7                   |
| NW                      | .1    | .2    | .2     | .2      | .1      |         |         |         |         |         |      | .2   | .7                   |
| NNW                     |       | .2    | .2     | .2      |         |         |         |         |         |         |      | .2   | .7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |      |                      |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.1 |                      |
|                         | 2.4   | 2.2   | 3.7    | 2.1     | 4.6     | .1      | .7      |         |         |         |      | 15.1 |                      |

TOTAL NUMBER OF OBSERVATIONS 107

3

STATION NAME  
 STATION NO.  
 DATE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME STATION NO. DATE YEAR

CLASS LOCATION

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                     |     | 1   | 7    |       | 1     |       |       |       |       |       |      | 1.0 | 1.0                   |
| NNE                   |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| NE                    |     |     | 7    |       | 1     |       |       |       |       |       |      | 1.0 | 1.0                   |
| ENE                   |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| E                     |     |     |      | 1     |       |       |       |       |       |       |      | 1.0 | 1.0                   |
| ESE                   | 1   | 1   | 1    | 1     | 1     | 1     |       |       |       |       |      | 1.0 | 1.0                   |
| SE                    |     |     | 4    | 4     | 1     |       |       |       |       |       |      | 1.0 | 1.0                   |
| SSE                   |     |     |      | 4     |       |       |       |       |       |       |      | 1.0 | 1.0                   |
| S                     |     | 4   | 1    |       |       |       |       |       |       |       |      | 1.0 | 1.0                   |
| SSW                   |     |     |      |       |       |       |       |       |       |       |      | 1.0 | 1.0                   |
| SW                    |     | 2   | 4    |       | 1     |       |       |       |       |       |      | 1.0 | 1.0                   |
| WSW                   |     |     |      |       |       |       |       |       |       |       |      | 1.0 | 1.0                   |
| W                     | 1   | 1   | 1    | 1     |       |       |       |       |       |       |      | 1.0 | 1.0                   |
| WNW                   |     |     | 1    | 1     | 1     |       |       |       |       |       |      | 1.0 | 1.0                   |
| NW                    |     | 1   | 4    | 1     | 1     |       |       |       |       |       |      | 1.0 | 1.0                   |
| NNW                   |     |     | 4    | 1     | 1     |       |       |       |       |       |      | 1.0 | 1.0                   |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |      |     |                       |
|                       |     |     |      |       |       |       |       |       |       |       |      |     |                       |

TOTAL NUMBER OF OBSERVATIONS 100

3

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
 WASHINGTON, D. C. 20541

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WINDY HARBOR, ALASKA DATE 5-7 YEAR 1964

CLASS ALL

ZONE 1

| SPEED<br>KNTS<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------------|
| N                     | .1  |      |      | 1.4   | .1    |       |       |       |       |       |      | 1.6  | .4                    |
| NNE                   |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| NE                    |     |      |      |       | .1    |       |       |       |       |       |      |      |                       |
| ENE                   |     |      | .1   |       |       |       |       |       |       |       |      |      |                       |
| E                     |     |      | .4   | 7.1   | 1.1   | .1    |       |       |       |       |      | 9.7  | .7                    |
| ESE                   |     | 2.1  | 4.5  | 2.1   |       | .1    |       |       |       |       |      | 8.8  | .7                    |
| SE                    | .1  | 4.7  | 5.8  | 1.1   |       |       |       |       |       |       |      | 11.6 | 2.1                   |
| SSE                   |     | 2.1  | 1.7  |       |       |       |       |       |       |       |      | 3.8  | .4                    |
| S                     | .2  | 4.1  | 1.1  | .1    |       |       |       |       |       |       |      | 5.5  | .4                    |
| SSW                   |     |      | .1   |       |       |       |       |       |       |       |      | .2   |                       |
| SW                    | .1  |      | .7   | .7    |       |       |       |       |       |       |      | 1.4  | .2                    |
| WSW                   |     |      | .5   | .5    |       |       |       |       |       |       |      | 1.0  | .2                    |
| W                     | .3  | 4.1  | 4.7  | .5    |       |       | .1    |       |       |       |      | 9.7  | 2.1                   |
| WNW                   | .1  |      | 1.9  | .5    |       |       |       |       |       |       |      | 2.5  | .5                    |
| NW                    |     | 1.1  | .5   | 1.7   | .1    |       |       |       |       |       |      | 3.4  | .5                    |
| NNW                   |     |      | .4   | 1.1   | .1    |       |       |       |       |       |      | 1.6  | .3                    |
| VARBL                 |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| CALM                  |     |      |      |       |       |       |       |       |       |       |      | 11.7 |                       |
|                       |     | 10.7 | 10.2 | 27.1  | 1.6   | .3    | .1    |       |       |       |      | 49.0 | 2.1                   |

TOTAL NUMBER OF OBSERVATIONS 1117

3

STATION NAME  
 DATE  
 TIME

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME \_\_\_\_\_ DATE \_\_\_\_\_

CLASS \_\_\_\_\_

SYMBOL \_\_\_\_\_

| SPEED<br>KNTS.<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN<br>WIND<br>SPEED |
|------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|---|-----------------------|
| N                      |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| NNE                    |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| NE                     |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| ENE                    |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| E                      |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| ESE                    |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| SE                     |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| SSE                    |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| S                      |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| SSW                    |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| SW                     |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| WSW                    |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| W                      |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| WNW                    |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| NW                     |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| NNW                    |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| VARBL                  |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| CALM                   |     |     |      |       |       |       |       |       |       |       |      |   |                       |
|                        |     |     |      |       |       |       |       |       |       |       |      |   |                       |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

3

STATION NAME  
 DATE  
 TIME

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

CLASS \_\_\_\_\_

DATE \_\_\_\_\_

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN<br>AND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|---|----------------------|
| N                     |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| NNE                   |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| NE                    |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| ENE                   |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| E                     |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| ESE                   |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| SE                    |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| SSE                   |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| S                     |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| SSW                   |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| SW                    |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| WSW                   |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| W                     |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| WNW                   |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| NW                    |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| NNW                   |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |      |   |                      |
| CALM                  |     |     |      |       |       |       |       |       |       |       |      |   |                      |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



3

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

| SPEED<br>KNTS<br>D.R.        | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN<br>WIND<br>SPEED |
|------------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|---|-----------------------|
| N                            |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| NNE                          |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| NE                           |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| ENE                          |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| E                            |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| ESE                          |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| SE                           |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| SSE                          |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| S                            |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| SSW                          |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| SW                           |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| WSW                          |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| W                            |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| WNW                          |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| NW                           |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| NNW                          |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| VARIABLE                     |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| CALM                         |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| TOTAL NUMBER OF OBSERVATIONS |     |     |      |       |       |       |       |       |       |       |      |   |                       |

**AJ-A088 941**

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/2  
MOSULP-0, CHEJU-DO, KOREA. REVISED UNIFORM SUMMARY OF SURFACE W--ETC(U)  
FEB 68  
USAFETAC/DS-80-067

**UNCLASSIFIED**

14

Zeit **U**

Figure 1

421. WINDSPEED DIRECTION  
 1741. 1741  
 A. H. VILLE, N. C. 27801

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME WINDSPEED DIRECTION YEARS 1741-1741

CLASS 1741-1741

CONDITION 1741-1741

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .1    | .4    | .5     | .1      | .1      |         |         |         |         |         |      | .7    | .1                    |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NE                      | .1    | .5    | .7     | .1      |         |         |         |         |         |         |      | .4    | .7                    |
| ENE                     | .1    | .5    | .7     | .1      |         |         |         |         |         |         |      | .4    | .7                    |
| E                       | .2    | 2.7   | .1     | 4.2     | .5      | .1      |         |         |         |         |      | 15.1  | 1.5                   |
| ESE                     |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | 7.1   | .7                    |
| SE                      | .2    | 8.7   | 5.5    | 2.9     | .4      | .1      |         |         |         |         |      | 17.4  | 7.1                   |
| SSE                     | .1    | .1    | .1     | .1      |         |         |         |         |         |         |      | .1    | .1                    |
| S                       | .2    | 7.4   | .1     | 1.4     | .4      |         |         |         |         |         |      | 10.4  | .7                    |
| SSW                     |       | .1    | 1.9    | .1      | .1      |         |         |         |         |         |      | 2.1   | .4                    |
| SW                      | .2    | 2.7   | 1.7    | .1      | .1      |         |         |         |         |         |      | 4.1   | .7                    |
| WSW                     | .1    | .1    | .2     | .4      | .1      |         |         |         |         |         |      | 1.1   | .4                    |
| W                       |       | 1.7   | .1     | .4      |         |         |         |         |         |         |      | 2.1   | .1                    |
| WNW                     | .1    | .1    | .1     |         |         |         |         |         |         |         |      | .1    | .1                    |
| NW                      | .2    | 1.5   | .1     | .1      |         |         |         |         |         |         |      | 2.1   | .1                    |
| NNW                     |       | .1    | .3     |         |         |         |         |         |         |         |      | .1    | .1                    |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 17.1  |                       |
|                         | .1    | 20.9  | 2.9    | 12.1    | .1      | .1      |         |         |         |         |      | 100.1 | 2.1                   |

TOTAL NUMBER OF OBSERVATIONS 1741

3

U. S. DEPARTMENT OF COMMERCE  
146, 156A  
NOVEMBER, U. S. G. S.

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 146, 156A NAME NOVEMBER DATE U. S. G. S.  
 CLASS NOVEMBER  
 CONDITION NOVEMBER

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N                       |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| NE                      |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| E                       |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| S                       |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| W                       |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| WNW                     |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| NW                      |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |   |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |   |                       |
|                         |       |       |        |         |         |         |         |         |         |         |      |   |                       |

TOTAL NUMBER OF OBSERVATIONS 146, 156A

3  
 DATA COLLECTING CENTER  
 HEADQUARTERS  
 KATY, TEXAS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NO. 11-0-01 STATION NAME ATKINS YEARS 1954-55  
 CLASS ALL WEATHER  
 CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %  | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|----|-----------------------|
| N                       |       |       | .4     | .4      |         |         |         |         |         |         |      | .1 | 1.1                   |
| NNE                     | .1    |       |        |         |         |         |         |         |         |         |      | .1 | 1.1                   |
| NE                      | .1    |       | .1     |         |         |         |         |         |         |         |      | .1 | 1.1                   |
| ENE                     |       | .1    | .1     |         |         |         |         |         |         |         |      | .1 | 1.1                   |
| E                       | .1    | .1    | .1     | .4      | .1      |         | .1      |         |         |         |      | .1 | 1.1                   |
| ESE                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| SE                      | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| SSE                     | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| S                       | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| SSW                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| SW                      | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| WSW                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| W                       | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| WNW                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| NW                      | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| NNW                     | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .1 | 1.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      | .1 | 1.1                   |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .1 | 1.1                   |
|                         | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      | .1      | .1      | .1   | .1 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS 1115

3

NAVY AND AIR FORCE DIVISION  
 1147, 1148  
 1149, 1150, 1151

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION NAME NO. 1 - FOR 4/7 HED - MC 668 - 41 YEARS 1950-1957

CLASS ALL

FUNCTION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .1    | .2     |         | .2      |         |         |         |         |         |      | .4    | 1.1                   |
| NNE                     |       |       |        |         | .1      |         |         |         |         |         |      | .1    | .1                    |
| NE                      |       |       | .1     | .1      |         |         |         |         |         |         |      | .2    | .1                    |
| ENE                     |       |       | .3     | .3      |         |         |         |         |         |         |      | .6    | .2                    |
| E                       |       | 1.2   | 5.6    | 5.4     | .5      | .1      | .1      |         |         |         |      | 14.1  | 4.1                   |
| ESE                     | .1    | 1.7   | 1.4    | 3.1     | .6      | .2      |         |         |         |         |      | 3.1   | 1.1                   |
| SE                      |       | 6.7   | 1.3    | 4.1     | .7      | .2      | .1      |         |         |         |      | 10.4  | 2.1                   |
| SSE                     |       | .5    | .6     | .7      |         |         |         |         |         |         |      | .8    | .1                    |
| S                       |       | 4.4   | 4.4    | 1.7     | .4      | .1      |         |         |         |         |      | 11.1  | .6                    |
| SSW                     |       | .7    | 2.2    | 1.3     | .1      | .1      |         |         |         |         |      | 4.1   | .1                    |
| SW                      | .1    | 1.2   | 2.3    | 1.1     | .1      |         |         |         |         |         |      | 5.1   | .6                    |
| WSW                     | .2    | .4    | .9     | .7      | .1      |         |         |         |         |         |      | 2.1   | .3                    |
| W                       |       | 2.1   | 1.2    | .7      |         |         |         |         |         |         |      | 7.1   | 2.0                   |
| WNW                     |       | .1    | .4     | .4      |         |         |         |         |         |         |      | .8    | .1                    |
| NW                      | .1    | 1.4   | .8     | 1.1     |         |         |         |         |         |         |      | 5.4   | .6                    |
| NNW                     |       | .1    | .4     | .7      |         |         |         |         |         |         |      | .6    | .1                    |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 6.1   |                       |
|                         | .1    | 24.1  | 43.7   | 21.6    | 3.0     | .8      | .2      |         |         |         |      | 110.1 | 7.7                   |

TOTAL NUMBER OF OBSERVATIONS 1116

U.S. COAST AND GEOD. SURV.  
 WIND DATA  
 FORM NO. 1, 1-1-60

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1210 WS STATION NAME WINDY HARBOR - 10 NDB - 10 YEARS 1955, 7

CLASS ALL WEATHER

CONDITION

MOON 11

HOURS 11.7

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .2    | .4     |         |         |         |         |         |         |         |      | .2    | 1.2                   |
| NNE                     |       |       | .2     | .1      | .1      |         |         |         |         |         |      | .4    | 1.2                   |
| NE                      |       |       | .2     | .2      |         |         |         |         |         |         |      | .4    | 1.2                   |
| ENE                     |       |       | .1     | .1      |         |         |         |         |         |         |      | .2    | 1.2                   |
| E                       | .1    | .2    | .1     | .2      | .4      | .4      |         |         |         |         |      | 11.2  | 1.2                   |
| ESE                     |       | 1.7   | 3.6    | 3.7     | .2      |         |         |         |         |         |      | 11.1  | 1.2                   |
| SE                      | .4    | 2.5   | 2.7    | 1.7     | .4      | .4      |         |         |         |         |      | 25.2  | 1.7                   |
| SSE                     | .1    | 3.7   | 2.5    | .2      | .1      |         |         |         |         |         |      | 12.9  | 1.2                   |
| S                       | .1    | 4.1   | 4.4    | 1.4     | .2      | .2      |         |         |         |         |      | 12.2  | 1.1                   |
| SSW                     | .2    | .1    | .7     | 1.2     | .2      |         |         |         |         |         |      | 2.2   | 1.2                   |
| SW                      | .1    | 1.2   | 1.9    | .6      |         | .2      |         |         |         |         |      | 2.2   | 1.2                   |
| WSW                     | .1    | 1.2   | .7     | .4      | .2      |         |         |         |         |         |      | 2.1   | 1.1                   |
| W                       | .1    | 2.5   | 2.2    | .7      | .1      |         |         |         |         |         |      | 7.1   | 1.2                   |
| WNW                     |       | .4    | .2     | .1      |         |         |         |         |         |         |      | .2    | 1.2                   |
| NW                      | .1    | .1    | 2.3    | .7      |         |         |         |         |         |         |      | 3.2   | 1.2                   |
| NNW                     |       | .2    | .6     | .1      |         |         |         |         |         |         |      | 1.2   | 1.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 1.2   | 29.2  | 38.1   | 19.4    | 2.1     | 1.1     |         |         |         |         |      | 100.0 |                       |

TOTAL NUMBER OF OBSERVATIONS 117

3

UNITED STATES DEPARTMENT OF COMMERCE  
NAVY  
NAVY VESSEL, U. S. S. 1210

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1210 DATE 10/10/64 TIME 0700 YEARS 7

LOCATION 100-100

COORDINATES 100-100

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %  | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|----|-----------------------|
| N                     | .1  | .1  | .1   | .1    |       |       |       |       |       |       |      | .1 | .1                    |
| NNE                   | .1  |     |      | .1    |       |       |       |       |       |       |      | .1 | .1                    |
| NE                    |     | .1  | .4   |       |       |       |       |       |       |       |      | .1 | .1                    |
| ENE                   |     | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| E                     | .1  | .1  | .7   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| ESE                   |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SE                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1 | .1                    |
| SSE                   |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| S                     | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SSW                   |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SW                    | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| WSW                   |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| W                     | .1  | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| WNW                   |     | .1  | .1   | .1    |       |       |       |       |       |       |      | .1 | .1                    |
| NW                    | .1  | .1  | .1   |       |       |       |       |       |       |       |      | .1 | .1                    |
| NNW                   |     | .1  | .1   |       |       |       |       |       |       |       |      | .1 | .1                    |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |      |    |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |      | .1 |                       |
|                       | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1 | .1                    |

TOTAL NUMBER OF OBSERVATIONS 111



3  
 DIVISION OF METEOROLOGY  
 STATION NO. 1116  
 NEW YORK, N. Y. 10001

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 1116 STATION NAME NEW YORK, N. Y. YEARS 1950-51, 7 MONTH 7  
 CLASS SEA  
 CONDITION SEA

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | .1    | .1    | .1     | .1      |         |         |         |         |         |         |      | .1    | .1              |
| NNE               |       |       |        | .1      |         |         |         |         |         |         |      | .1    | .1              |
| NE                |       |       |        | .1      |         |         |         |         |         |         |      | .1    | .1              |
| ENE               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| E                 | .2    | .4    | .6     | .3      | .6      | .2      |         |         |         |         |      | .4    | .3              |
| ESE               | .2    | .4    | .6     | .3      | .4      |         |         |         |         |         |      | .4    | .3              |
| SE                | .2    | .4    | .6     | .4      | .1      | .1      |         |         |         |         |      | .4    | .3              |
| SSE               | .4    | .6    | .6     | .1      | .1      | .1      |         |         |         |         |      | .4    | .3              |
| S                 | .3    | .2    | .1     | .1      |         |         |         |         |         |         |      | .3    | .1              |
| SSW               |       | .1    | .4     | .1      |         |         |         |         |         |         |      | .1    | .1              |
| SW                |       | .1    | .1     | .1      |         |         |         |         |         |         |      | .1    | .1              |
| WSW               |       | .4    | .1     | .1      |         |         |         |         |         |         |      | .4    | .1              |
| W                 |       | .1    | .1     | .1      |         |         |         |         |         |         |      | .1    | .1              |
| WNW               |       | .1    | .1     |         |         |         |         |         |         |         |      | .1    | .1              |
| NW                | .2    | .1    | .1     |         |         |         |         |         |         |         |      | .2    | .1              |
| NNW               |       | .1    | .1     |         |         |         |         |         |         |         |      | .1    | .1              |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      | .1    |                 |
|                   | 1.7   | 27.2  | 27.6   | 13.0    | 6.2     | .4      |         |         |         |         |      | 100.0 | 7.7             |

TOTAL NUMBER OF OBSERVATIONS 1116

1964 PRELIMINARY RELEASE  
 1964, 1965  
 ASH VILLAGE, N. C. 28001

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASH VILLAGE - NC 28001 STATE NC COUNTY ASHE YEARS 1964-1965  
 CLASS 11 - 12  
 CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .1    | .7    | .0     | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0   | .1    | .1                    |
| NNE                     | .1    | .0    | .0     | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0   | .1    | .1                    |
| NE                      | .0    | .0    | .0     | .0      | .2      | .0      | .0      | .0      | .0      | .0      | .0   | .3    | .1                    |
| ENE                     | .0    | .0    | .4     | .0      | .1      | .0      | .1      | .1      | .0      | .0      | .0   | .2    | .1                    |
| E                       | .0    | .0    | .4     | .0      | .0      | .0      | .1      | .1      | .0      | .0      | .0   | .2    | .1                    |
| ESE                     | .0    | .0    | .0     | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0   | .0    | .0                    |
| SE                      | .7    | .0    | .1     | .2      | .1      | .0      | .0      | .0      | .1      | .1      | .0   | .1    | .1                    |
| SSE                     | .0    | .0    | .7     | .0      | .0      | .0      | .0      | .0      | .1      | .1      | .0   | .1    | .1                    |
| S                       | .0    | .7    | .0     | .0      | .0      | .0      | .1      | .1      | .1      | .0      | .0   | .4    | .1                    |
| SSW                     | .1    | .0    | .0     | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0   | .0    | .1                    |
| SW                      | .1    | .7    | .2     | .1      | .0      | .0      | .0      | .0      | .0      | .0      | .0   | .4    | .1                    |
| WSW                     | .1    | .1    | .4     | .0      | .1      | .0      | .0      | .0      | .0      | .0      | .0   | .1    | .1                    |
| W                       | .0    | .0    | .8     | .1      | .2      | .0      | .0      | .0      | .0      | .0      | .0   | .1    | .1                    |
| WNW                     | .0    | .1    | .4     | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0   | .1    | .1                    |
| NW                      | .5    | .0    | .0     | .1      | .0      | .0      | .0      | .0      | .0      | .0      | .0   | .1    | .1                    |
| NNW                     | .0    | .0    | .3     | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0   | .1    | .1                    |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 24.5  |                       |
|                         | 1.1   | 2.5   | 21.1   | 14.7    | 1.7     | .9      | .6      | .5      | .2      | .1      |      | 100.0 | .3                    |

TOTAL NUMBER OF OBSERVATIONS 1204

WATER RESOURCES DIVISION  
FEDERAL BUREAU OF SURVEY  
ATLANTA, GEORGIA

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME WILLIAMSBURG AIRPORT YEARS 1946-1966  
 CLASS 11-17  
 OBSERVATION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------------|
| N                       | .1  | .7   | 1.3  | .4    | .1    |       |       |       |       |       |      | 1.6  | 1.1                   |
| NNE                     |     | .7   | .5   | .4    |       |       |       |       |       |       |      | 1.6  | 1.1                   |
| NE                      | .5  | 1.4  | .1   | .4    |       |       |       |       |       |       |      | 2.0  | 1.1                   |
| ENE                     |     | .7   | .7   | .6    |       | .1    |       |       |       |       |      | 2.0  | 1.7                   |
| E                       | .9  | .9   | 3.0  | 2.3   | 1.3   | .3    | .2    |       |       |       |      | 3.6  | 2.2                   |
| ESE                     |     | .7   | 1.1  | 1.5   | .7    | .3    |       |       |       |       |      | 3.4  | 1.5                   |
| SE                      | .4  | 2.2  | 2.4  | 2.0   | 1.1   | .2    |       | .1    |       |       |      | 3.7  | 1.9                   |
| SSE                     |     | .5   | .5   | .7    | .1    |       |       | .1    | .1    |       |      | 1.7  | 1.0                   |
| S                       |     | 1.2  | 1.5  | 1.6   | .7    | .1    |       | .1    |       |       |      | 4.3  | 1.6                   |
| SSW                     |     | .1   | .2   | .4    |       | .1    |       |       |       |       |      | 1.1  | .5                    |
| SW                      | .1  | 1.6  | 1.3  | .7    | .1    |       |       |       |       |       |      | 4.0  | 1.6                   |
| WSW                     |     | .5   | .7   | .5    | .2    |       |       |       |       |       |      | 1.9  | 1.0                   |
| W                       | .1  | .4   | 1.6  | 1.1   | .7    | .1    | .1    | .1    |       |       |      | 3.7  | 1.5                   |
| WNW                     | .1  | .5   | .4   | .1    |       |       |       |       |       |       |      | 1.1  | .7                    |
| NW                      |     | 1.1  | 1.7  | 1.5   |       | .1    |       |       |       |       |      | 3.7  | 1.4                   |
| NNW                     |     | 1.4  | 1.2  | .6    | .3    |       |       |       |       |       |      | 3.4  | 1.3                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |      | 10.1 |                       |
|                         | 2.2 | 21.1 | 24.1 | 19.1  | 1.6   | 1.0   | .2    | .5    | .1    |       |      | 16.0 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS 1200

3

STATION NAME  
 DATE  
 LOCATION

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME \_\_\_\_\_ DATE \_\_\_\_\_ LOCATION \_\_\_\_\_

CLASS \_\_\_\_\_

REMARKS \_\_\_\_\_

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                     | .2  | 1.0 | .5   | .1    | .1    |       |       |       |       |       |      | 4.0 | 1.6                   |
| NNE                   | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | 1.6 | .1                    |
| NE                    | .1  | 1.7 | .7   | .1    | .1    | .1    |       |       |       |       |      | 1.6 | 1.4                   |
| ENE                   |     | 1.1 | 1.1  | .1    | .1    | .1    |       |       |       |       |      | 1.6 | 1.0                   |
| E                     | .1  | 1.1 | .1   | 1.0   | 1.0   | .1    |       |       |       |       |      | 1.6 | .7                    |
| ESE                   | .1  | 1.1 | .1   | .1    | .1    | .1    |       |       |       |       |      | 1.6 | .1                    |
| SE                    | .1  | .1  | 1.0  | .1    | .1    | .1    |       | .1    |       |       |      | 1.6 | 1.0                   |
| SSE                   | .1  | 1.1 | 1.1  | .1    | .1    | .1    |       | .1    |       |       |      | 1.6 | .1                    |
| S                     | .1  | 1.1 | 1.1  | .1    | .1    | .1    |       | .1    |       |       |      | 1.6 | 1.0                   |
| SSW                   |     | .1  | .1   | .1    | .1    | .1    |       | .1    |       |       |      | 1.6 | .1                    |
| SW                    |     | 1.1 | .1   | 1.1   | .1    | .1    | .1    |       |       |       |      | 1.6 | 1.0                   |
| WSW                   | .1  | .1  | .1   | .1    | .1    | .1    |       | .1    |       |       |      | 1.6 | .1                    |
| W                     | .1  | 1.1 | 1.1  | 1.1   | .1    | .1    | .1    | .1    |       |       |      | 1.6 | 1.0                   |
| WNW                   |     | .1  | .1   | .1    | .1    | .1    |       | .1    |       |       |      | 1.6 | .1                    |
| NW                    | .1  | 1.1 | .1   | 1.1   | .1    | .1    |       | .1    |       |       |      | 1.6 | 1.0                   |
| NNW                   | .1  | 1.1 | 1.1  | .1    | .1    | .1    |       | .1    |       |       |      | 1.6 | 1.0                   |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |      | 1.6 |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |      | 1.6 |                       |
|                       | 1.4 | 2.2 | 2.2  | 1.0   | 1.0   | 2.0   | .1    | .1    |       |       |      | 1.6 | 1.0                   |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

3

STATION NAME  
 DATE  
 LOCATION

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME \_\_\_\_\_ DATE \_\_\_\_\_ LOCATION \_\_\_\_\_

PERIOD OF RECORD \_\_\_\_\_

CLASS \_\_\_\_\_

INSTRUMENT \_\_\_\_\_

| SPEED<br>KNTS<br>D.P. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | W 56 | % | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|---|-----------------------|
| N                     | .2  | .    | .    | .     | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| NNE                   | .1  | .1   | .6   | .1    | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| NE                    | .   | .    | .2   | .     | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| ENE                   | .   | .    | .4   | .6    | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| E                     | .2  | .2   | .2   | .2    | .2    | .2    | .2    | .1    | .     | .     | .    | . | .                     |
| ESE                   | .2  | .2   | .7   | .1    | .2    | .     | .     | .     | .     | .     | .    | . | .                     |
| SE                    | .1  | .4   | .    | .2    | .2    | .2    | .     | .     | .     | .     | .    | . | .                     |
| SSE                   | .2  | .2   | .2   | .     | .1    | .     | .     | .     | .     | .     | .    | . | .                     |
| S                     | .2  | .    | .    | .     | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| SSA                   | .1  | .2   | .    | .     | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| SW                    | .1  | .2   | .1   | .2    | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| WSA                   | .   | .    | .2   | .4    | .1    | .     | .1    | .1    | .     | .     | .    | . | .                     |
| W                     | .   | .2   | .2   | .2    | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| WNW                   | .   | .2   | .1   | .     | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| NW                    | .2  | .1   | .4   | .4    | .2    | .     | .     | .     | .     | .     | .    | . | .                     |
| NNW                   | .4  | .1   | .2   | .     | .     | .     | .     | .     | .     | .     | .    | . | .                     |
| VARBL                 |     |      |      |       |       |       |       |       |       |       |      |   |                       |
| CALM                  |     |      |      |       |       |       |       |       |       |       |      |   |                       |
|                       | 1.9 | 24.7 | 24.4 | 13.1  | 1.0   | 1.0   | .4    | .4    |       |       |      |   |                       |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

3

STATION NAME  
 LOCATION  
 DATE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: \_\_\_\_\_ LOCATION: \_\_\_\_\_ DATE: \_\_\_\_\_

STATION NAME: \_\_\_\_\_ LOCATION: \_\_\_\_\_ DATE: \_\_\_\_\_

STATION NAME: \_\_\_\_\_ LOCATION: \_\_\_\_\_ DATE: \_\_\_\_\_

| SPEED<br>KNTS<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----------------------|
| N                     |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| NNE                   |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| NE                    |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| ENE                   |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| E                     |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| ESE                   |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| SE                    |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| SSE                   |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| S                     |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| SSW                   |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| SW                    |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| WSW                   |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| W                     |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| WNW                   |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| NW                    |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| NNW                   |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |     |     |                       |
|                       | 1.0 | 1.0 | 1.0  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0 | 1.0 | 1.0                   |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

3

ATLANTIC DIVISION  
 WIND, WAVE  
 AND VIBRATION

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION NAME: ATLANTIC DIVISION DATE: 1964 YEAR: 1964

CLASS: 1

REMARKS:

| SPEED<br>KNTS<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %   | MEAN<br>AND<br>SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-----|----------------------|
| N                     | .4  | .6   | .8   | .8    | .8    |       |       |       |       |       |     | .4  | 1.0                  |
| NNE                   |     | .6   | .8   | .8    | .8    |       |       |       |       |       |     | .4  | 1.0                  |
| NE                    | .1  | .6   | .8   | .8    | .8    |       |       |       |       |       |     | .4  | 1.0                  |
| ENE                   |     |      | .8   | .8    | .8    |       |       |       |       |       |     | .4  | 1.0                  |
| E                     |     | .6   | .8   | .8    | .8    |       |       | .1    |       |       |     | .4  | 1.0                  |
| ESE                   |     | .6   | .8   | .8    | .8    | .1    |       |       |       |       |     | .4  | 1.0                  |
| SE                    | .2  | .6   | .8   | .8    | .8    | .1    | .1    |       |       |       |     | .4  | 1.0                  |
| SSE                   |     | .8   | .8   | .8    | .8    |       |       |       |       |       |     | .4  | 1.0                  |
| S                     | .2  | .6   | .8   | .8    | .8    | .1    |       |       |       | .1    |     | .4  | 1.0                  |
| SSW                   |     | .6   | .8   | .8    | .8    |       |       |       |       | .1    |     | .4  | 1.0                  |
| SW                    |     | .6   | .8   | .8    | .8    | .1    |       |       |       |       |     | .4  | 1.0                  |
| WSW                   | .1  | .6   | .8   | .8    | .8    |       |       |       |       |       |     | .4  | 1.0                  |
| W                     | .1  | .6   | .8   | .8    | .8    |       |       | .1    |       | .1    |     | .4  | 1.0                  |
| WNW                   |     | .6   | .8   | .8    | .8    |       |       | .1    |       |       |     | .4  | 1.0                  |
| NW                    | .1  | .6   | .8   | .8    | .8    | .1    |       |       |       |       |     | .4  | 1.0                  |
| NNW                   |     | .6   | .8   | .8    | .8    | .1    |       |       |       |       |     | .4  | 1.0                  |
| VARBL                 |     |      |      |       |       |       |       |       |       |       |     |     |                      |
| CALM                  |     |      |      |       |       |       |       |       |       |       |     | .1  |                      |
|                       | 1.0 | 24.7 | 34.7 | 23.1  | 7.1   | 1.3   | .1    | .1    |       | .1    |     | 7.1 |                      |

TOTAL NUMBER OF OBSERVATIONS

474

DATA DISCLOSURE OF-151-1  
 11-11-11  
 11-11-11

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_  
 CLASS \_\_\_\_\_  
 LOCATION \_\_\_\_\_

| SPEED<br>KNTS/<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %  | MEAN<br>WIND<br>SPEED |
|------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|----|-----------------------|
| N                      | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1 | 1.1                   |
| NNE                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1 | 1.1                   |
| NE                     |     | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1 | 1.1                   |
| ENE                    |     | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1 | 1.1                   |
| E                      | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1 | 1.1                   |
| ESE                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       | .1    | .1    |      | .1 | 1.1                   |
| SE                     | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       | .1    |      | .1 | 1.1                   |
| SSE                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1 | 1.1                   |
| S                      | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       | .1    |      | .1 | 1.1                   |
| SSW                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    |       |       |      | .1 | 1.1                   |
| SW                     | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    |       |       |      | .1 | 1.1                   |
| WSW                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    |       |       |      | .1 | 1.1                   |
| W                      | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    |       |       |      | .1 | 1.1                   |
| WNW                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    |       |       |      | .1 | 1.1                   |
| NW                     | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    |       |       |      | .1 | 1.1                   |
| NNW                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    |       |       |      | .1 | 1.1                   |
| VARBL                  |     |     |      |       |       |       |       |       |       |       |      |    |                       |
| CALM                   |     |     |      |       |       |       |       |       |       |       |      | .1 |                       |
|                        | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    | .1    | .1    | .1   | .1 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS



ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 01-21-2009 BY 60322 UCBAW

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

[illegible]

| SPEED<br>KNTS<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | IV 56 | %   | MEAN<br>AND<br>SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-------|-----|----------------------|
| N                     | .     | .     | .4     | .       | .       | .       | .       |         |         |         |       | .4  | .4                   |
| NNE                   | .     | .     | .      |         |         |         |         |         |         |         |       | .   | .                    |
| NE                    | .7    | 1.    | .3     | .       | .       |         | .1      | .1      |         |         |       | .7  | .4                   |
| ENE                   |       | .     | .3     | .       | .       | .       |         |         |         |         |       | .   | .3                   |
| E                     | .1    | 2.    | 4.5    | 2.      | 2.      | 1.      |         |         |         |         |       | 2.3 | 1.3                  |
| ESE                   | .     | 2.    | .7     | 1.      | .4      | .       |         |         |         | .       | .     | 1.4 | 1.3                  |
| SE                    | .7    | 4.    | .      | 1.      | .4      | .       | .       |         |         |         |       | 2.4 | .4                   |
| SSE                   | .     | .7    | 1.1    | .       |         |         |         |         |         |         |       | .   | 1.                   |
| S                     | .     | .7    | 1.7    | .       | .7      | .       |         |         |         | .       |       | 1.  | 1.7                  |
| SSW                   | .     | .     | .6     | .       |         |         | .1      |         |         |         |       | 1.  | .6                   |
| SW                    | .1    | .7    | 1.3    | 1.      |         | .5      |         |         |         |         |       | 3.7 | 1.                   |
| WSW                   |       |       | .1     | .1      |         |         |         |         |         |         |       | .   | .3                   |
| W                     | .     | .     | .      | .7      | .       | .7      |         |         |         |         |       | 1.  | .3                   |
| WNW                   |       | .4    | .4     | .       |         |         |         |         |         |         |       | 1.1 | 1.3                  |
| NW                    | .2    | .4    | .9     | .7      | .1      |         |         |         |         |         |       | 4.  | 1.                   |
| NNW                   |       | .     | .5     | .7      | .1      |         |         |         |         |         |       | 1.  | .4                   |
| VARBL                 |       |       |        |         |         |         |         |         |         |         |       |     |                      |
| CALM                  |       |       |        |         |         |         |         |         |         |         |       | 3.7 |                      |
|                       | 1.1   | 2.1   | 2.     | 1.3     | 1.7     | 1.      | .5      | .1      |         | .4      | .1    | 1.  | .5                   |

TOTAL NUMBER OF OBSERVATIONS 1200

3  
3  
DATA ACQUISITION DIVISION  
FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: 47200 NAME: WILLIAM P. HENRY/CHIEF OF POLICE YEARS: 194-195

CLASS: ALL WEATHER

CONDITION:

| SPEED (KNTS) DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %    | MEAN WIND SPEED |
|-------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------|
| N                 | .3  | 0.5  | 0.7  | .1    | .1    |       |       |       |       |       |     | 1.1  | 1.1             |
| NNE               | .1  | 1.7  | .8   | .1    |       |       |       |       |       |       |     | 2.4  | 1.1             |
| NE                | .1  | 3.1  | 1.7  | .1    | .1    |       |       |       |       |       |     | 1.7  | 1.1             |
| ENE               | .3  | .7   | 1.2  | .7    | .1    | .1    |       |       |       |       |     | 1.1  | 1.1             |
| E                 | .3  | 3.3  | 4.5  | 2.3   | .1    |       |       |       |       |       |     | 1.1  | 1.1             |
| ESE               | .1  | .7   | .1   | .1    | .1    |       |       |       |       |       |     | .1   | 1.1             |
| SE                | .1  | 1.7  | .1   | 1.7   | .1    |       |       |       |       |       |     | 3.1  | 1.1             |
| SSE               |     |      | .1   | .1    |       |       |       |       |       |       |     | .1   | 1.1             |
| S                 | .1  | 1.2  | .9   | 1.1   | .1    | .1    |       |       |       |       | .1  | 4.1  | 1.1             |
| SSW               | .1  | .1   | .1   | .1    | .1    |       |       |       |       |       |     | 1.1  | 1.1             |
| SW                |     | .1   | .9   | .7    | .1    |       |       |       |       |       | .1  | 1.1  | 1.1             |
| WSW               |     | .1   | .1   | .1    | .1    | .1    |       |       |       |       |     | .1   | 1.1             |
| W                 | .1  | .1   | .7   | .1    |       |       |       |       |       |       |     | 1.1  | 1.1             |
| WNW               |     | .1   | .1   | .1    | .1    |       |       |       |       |       |     | .1   | 1.1             |
| NW                |     | 7.1  | 3.2  | 1.1   | .1    | .1    |       |       |       |       |     | 7.1  | 1.1             |
| NNW               | .1  | 2.1  | .7   | 1.1   | .1    | .1    |       | .1    |       |       |     | 7.1  | 1.1             |
| VARBL             |     |      |      |       |       |       |       |       |       |       |     |      |                 |
| CALM              |     |      |      |       |       |       |       |       |       |       |     | 3.1  |                 |
|                   | 1.5 | 25.3 | 25.6 | 19.1  | 4.1   | .1    |       | .1    |       |       | .1  | 10.1 | 1.1             |

TOTAL NUMBER OF OBSERVATIONS 17

3

DATE OF OBSERVATION  
 1964, JUNE  
 15, 1964

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION NAME: STATION NAME YEARS: 1964

CLASS: 1 HOURS OBSERVED: 117

REMARKS:

| SPEED<br>KNTS) | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|----------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| DIR.           |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| N              | .3  | .6  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| NNE            | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| NE             | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| ENE            | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| E              | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| ESE            | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| SE             | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| SSE            | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| S              | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| SSW            | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| SW             | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| WSW            | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| W              | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| WNW            | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| NW             | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| NNW            | .4  | .7  | .3   | .7    | .7    | .7    |       |       |       |       |      | 7.5 | 1.0                   |
| VARBL          |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| CALM           |     |     |      |       |       |       |       |       |       |       |      |     |                       |
|                | 2.5 | 2.4 | 2.4  | 1.7   | 1.7   | 1.7   |       |       |       |       |      | 7.5 | 1.0                   |

TOTAL NUMBER OF OBSERVATIONS 117

3

U.S. DEPARTMENT OF COMMERCE  
NAVY DEPARTMENT  
ATLANTIC OCEANIC DIVISION

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME NO. 1 - C. S. S. / T. S. S. - C. S. S. - C. S. S. YEARS 1945

WIND CLASS 10-15

WIND CONDITION 10-15

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                       | .7  | .4  | .1   | .1    | .1    |       |       |       |       |       |      | 1.4 | .4                    |
| NNE                     | .1  | 1.4 | .4   | .1    | .1    |       |       |       |       |       |      | .4  | .7                    |
| NE                      | .7  | 1.4 | .4   | 1.7   | .1    |       |       |       |       |       |      | 1.4 | .7                    |
| ENE                     | .2  | .4  | .1   | .1    | .1    |       |       |       |       |       |      | .4  | .7                    |
| E                       | .7  | 1.4 | .4   | 1.4   | 1.4   | .1    | .1    |       |       |       |      | 1.4 | .7                    |
| ESE                     |     | .7  | .7   | .7    | .7    | .1    |       |       |       |       |      | .7  | .7                    |
| SE                      | .1  | 1.4 | 1.7  | 2.1   | .1    |       |       |       |       |       |      | .7  | 1.4                   |
| SSE                     |     | .1  | .1   | .1    |       |       |       |       |       |       |      | .1  | .1                    |
| S                       |     | 1.4 | .7   | .1    | .1    |       |       |       |       |       |      | .1  | .1                    |
| SSW                     |     | .1  | .4   | .1    |       |       |       |       |       |       |      | .1  | .1                    |
| SW                      | .7  | .7  | .1   | .1    |       |       |       |       |       |       | .1   | .1  | .1                    |
| WSW                     |     | .1  | .1   | .1    |       |       |       |       |       |       |      | .1  | .1                    |
| W                       | .7  | .4  | .1   | .1    |       | .1    |       |       |       |       | .1   | .7  | .1                    |
| WNW                     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1  | .1                    |
| NW                      | .1  | 1.4 | 1.4  | 1.4   | .4    |       |       |       |       |       |      | .4  | .1                    |
| NNW                     | .1  | 1.4 | 1.4  | 1.4   | .1    | .1    |       |       |       |       |      | .1  | .1                    |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| CALM                    |     |     |      |       |       |       |       |       |       |       |      | .3  |                       |
|                         | 1.0 | 2.3 | 2.4  | 4.1   | 4.3   | .6    | .1    |       |       |       | .1   |     | 1.0                   |

TOTAL NUMBER OF OBSERVATIONS 17

3

STATION NAME  
 LOCATION  
 MAP REFERENCE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: \_\_\_\_\_ DATE: \_\_\_\_\_ YEARS: \_\_\_\_\_

CLASS: \_\_\_\_\_

CONDITION: \_\_\_\_\_

| SPEED<br>KNTS/<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %  | MEAN<br>WIND<br>SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|----|-----------------------|
| N                      | .1    | .2    | .1     | .1      | .1      |         |         |         |         |         |      | .7 |                       |
| NNE                    |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .4 |                       |
| NE                     | .1    | .1    | .1     | .1      |         |         |         |         |         |         |      | .4 |                       |
| ENE                    |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .4 |                       |
| E                      | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .7 |                       |
| ESE                    |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .7 |                       |
| SE                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .7 |                       |
| SSE                    |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .7 |                       |
| S                      |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .7 |                       |
| SSW                    |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .7 |                       |
| SW                     | .1    | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .7 |                       |
| WSW                    |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .7 |                       |
| W                      |       | .1    | .1     | .1      | .1      | .1      |         | .1      | .1      | .1      |      | .7 |                       |
| WNW                    |       | .1    | .1     | .1      | .1      | .1      |         | .1      | .1      | .1      |      | .7 |                       |
| NW                     |       | .1    | .1     | .1      | .1      | .1      |         | .1      | .1      | .1      |      | .7 |                       |
| NNW                    |       | .1    | .1     | .1      | .1      | .1      |         | .1      | .1      | .1      |      | .7 |                       |
| VARBL                  |       |       |        |         |         |         |         |         |         |         |      |    |                       |
| CALM                   |       |       |        |         |         |         |         |         |         |         |      |    |                       |
|                        | .1    | .1    | .1     | .1      | .1      | .1      |         | .1      | .1      | .1      |      | .7 |                       |

TOTAL NUMBER OF OBSERVATIONS 17

1. NAME \_\_\_\_\_  
 2. DATE \_\_\_\_\_  
 3. SCORE \_\_\_\_\_

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

[illegible]

| SPEED<br>KNTS<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                     | .1    | 1.4   | 1.7    | 2.0     | .5      |         |         |         |         |         |      | 1.4   | 1.7                   |
| NNE                   |       | .1    | .2     | .2      | .1      |         |         |         |         |         |      | 1.0   | .1                    |
| NE                    | .1    | .2    | .2     | .4      | .2      |         |         |         |         |         |      | 1.7   | 1.0                   |
| ENE                   |       | .1    | .2     | .2      | .1      | .1      |         |         |         |         |      | 1.0   | 1.7                   |
| E                     |       | 1.1   | .2     | 2.0     | 2.1     | .6      | .1      |         |         |         |      | 7.7   | 1.0                   |
| ESE                   |       | .1    | 1.2    | 2.1     | .1      |         |         |         |         |         |      | 5.0   | .4                    |
| SE                    |       | .1    | .2     | .2      | .2      | .2      |         |         |         |         |      | 1.1   | .4                    |
| SSE                   | .1    | .2    | 1.1    | .1      | .1      |         |         |         |         |         |      | 2.0   | .1                    |
| S                     | .1    | .1    | .2     | .2      | .2      |         |         |         |         |         |      | 7.6   | .1                    |
| SSW                   |       | .1    | .2     | .1      |         |         |         |         |         |         |      | 1.4   | .1                    |
| SW                    |       | 1.1   | 1.1    | .1      | .1      |         |         |         |         |         |      | 1.0   | 1.5                   |
| WSW                   |       | .2    | .2     |         |         |         |         |         |         |         |      | 1.1   | 1.1                   |
| W                     |       | 1.3   | .3     | 1.6     | .1      |         | .1      | .1      |         |         |      | 1.2   | 1.1                   |
| WNW                   | .1    | .2    | 1.1    | 1.2     |         |         |         |         |         |         |      | 1.0   | .1                    |
| NW                    |       | 1.3   | .5     | 2.4     | .6      |         |         |         |         |         |      | 7.2   | 1.7                   |
| NNW                   |       | .2    | 2.0    | 1.1     | 1.2     | .2      |         |         |         |         |      | 4.2   | 1.3                   |
| VARBL                 |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                  |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                       | .2    | 14.1  | 31.1   | 32.4    | 7.1     | 1.1     | .2      | .1      |         |         |      | 100.0 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS 117

3

UNITED STATES DEPARTMENT OF COMMERCE  
BUREAU OF MARINE SERVICE  
SAN FRANCISCO, CALIF.

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1210 WS DATE 0-8-5 (OL-1) YEARS 1950-1951

STATION NAME WINDY HARBOR CLASS 1

LOCATION 1210 WS

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                       | .1  | 1.1  | 2.2  | 3.3   | .7    | .     | .     | .     | .     | .     | .    | 1.1 | 1.1                   |
| NNE                     | .   | .    | .    | .     | .1    | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| NE                      | .1  | 1.1  | 1.1  | .1    | .     | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| ENE                     | .   | .1   | .4   | .7    | .1    | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| E                       | .2  | 1.7  | 1.8  | 1.1   | 1.1   | .3    | .1    | .     | .     | .     | .    | 1.1 | 1.1                   |
| ESE                     | .   | 1.1  | 1.5  | 1.1   | .3    | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| SE                      | .2  | 1.1  | 1.5  | 1.1   | .1    | .1    | .1    | .     | .     | .     | .    | 1.1 | 1.1                   |
| SSE                     | .   | .1   | .1   | .1    | .     | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| S                       | .   | 1.1  | 1.1  | .1    | .     | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| SSW                     | .1  | .4   | .1   | .1    | .     | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| SW                      | .   | .4   | .7   | .     | .1    | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| WSW                     | .   | .1   | .1   | .     | .     | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| W                       | .   | 1.1  | 1.1  | .1    | .1    | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| WNW                     | .   | .4   | 1.1  | 1.1   | .1    | .1    | .     | .     | .     | .     | .    | .1  | 1.1                   |
| NW                      | .2  | 1.1  | 1.1  | 1.1   | .1    | .1    | .     | .     | .     | .     | .    | .1  | 1.1                   |
| NNW                     | .1  | .1   | 1.1  | 1.1   | .1    | .1    | .     | .     | .     | .     | .    | .1  | 1.1                   |
| VARBL                   | .   | .    | .    | .     | .     | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
| CALM                    | .   | .    | .    | .     | .     | .     | .     | .     | .     | .     | .    | .1  | 1.1                   |
|                         | .9  | 14.9 | 34.2 | 29.9  | 1.1   | 1.1   | .7    | .     | .     | .     | .    | 1.1 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS 1170

3

FAIRFAX COUNTY DIVISION  
 NEW YORK  
 NEW YORK, N. Y. 10011

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION NEW YORK - J. F. O'HARA FIELD - NEW YORK YEARS 1948-1954

DATE 11/1/54

CLASS ALL

UNIT KT

| SPEED<br>KNTS<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-----------------------|
| N                     | .6  | 1.   | .3   | .3    | .3    |       | .3    |       |       |       |      | 1.2   | .3                    |
| NNE                   | .1  | .    | .3   |       | .3    |       |       |       |       |       |      | 1.2   | .3                    |
| NE                    | .1  | 1.   | 2.   | .4    | .3    | .3    |       |       |       |       |      | 1.2   | .3                    |
| ENE                   | .1  | .3   | .3   | .4    | .1    | .1    |       |       |       |       |      | 1.2   | .3                    |
| E                     | .6  | 4.7  | .3   | .3    | 1.    | .3    | .3    | .1    |       |       |      | 1.2   | .3                    |
| ESE                   |     | .    | .7   | .4    | .3    |       |       |       |       |       |      | 1.2   | .3                    |
| SE                    | .3  | 1.   | .3   | 2.    | .1    | .1    |       |       |       |       |      | 1.2   | .3                    |
| SSE                   |     | .3   | .3   | .     |       |       |       |       |       |       |      | 1.2   | .3                    |
| S                     | .1  | .3   | .3   | .4    | .1    | .3    |       |       |       |       |      | 1.2   | .3                    |
| SSW                   |     | .    | .3   | .     |       |       |       |       |       |       |      | 1.2   | .3                    |
| SW                    |     | .3   | .3   | .     | .3    | .3    |       |       |       |       |      | 1.2   | .3                    |
| WSW                   |     | .    | .    | .     | .     |       |       |       |       |       |      | 1.2   | .3                    |
| W                     | .3  | .3   | .3   | .3    | .3    |       |       |       |       |       |      | 1.2   | .3                    |
| WNW                   |     | .3   | .3   | .1    | .3    |       |       |       |       |       |      | 1.2   | .3                    |
| NW                    | .3  | 1.7  | .3   | 1.1   |       | .1    | .1    |       |       |       |      | 1.2   | .3                    |
| NNW                   | .1  | 2.7  | 2.8  | .3    |       |       | .1    |       |       |       |      | 1.2   | .3                    |
| VAPBL                 |     |      |      |       |       |       |       |       |       |       |      |       |                       |
| CALM                  |     |      |      |       |       |       |       |       |       |       |      | 10.0  |                       |
|                       | 7.2 | 27.1 | 27.0 | 14.1  | 4.0   | 1.0   | .3    | .1    |       |       |      | 100.0 | 7.3                   |

TOTAL NUMBER OF OBSERVATIONS

107



U. S. DEPARTMENT OF COMMERCE  
 MARITIME DIVISION  
 WILKINSON, N. C. 28587

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: WILKINSON, N. C. YEARS: 1961-1962

CLASS: 11 - 16

DATE: 1962

| SPEED (KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %  | MEAN WIND SPEED |
|----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|----|-----------------|
| N                    | .1  | .1  | .1   | .1    | .4    |       |       |       |       |       |      | .3 | 1.7             |
| NNE                  | .1  | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .3 | 1.7             |
| NE                   |     | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .3 | 1.7             |
| ENE                  | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .3 | 1.7             |
| E                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| ESE                  | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| SE                   | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| SSE                  | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| S                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| SSW                  | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| SW                   | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| WSW                  | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| W                    | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| WNW                  | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| NW                   | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| NNW                  | .1  | .1  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .3 | 1.7             |
| VARBL                |     |     |      |       |       |       |       |       |       |       |      |    |                 |
| CALM                 |     |     |      |       |       |       |       |       |       |       |      |    |                 |
|                      | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    | .1    | .1    | .1   | .1 | 1.7             |

TOTAL NUMBER OF OBSERVATIONS: 17

STATION NAME  
 LOCATION  
 DATE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: STATION NAME YEARS: 1961-1962

STATION NUMBER: 111-111

STATION TYPE: STATION TYPE

| SPEED<br>KNTS<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %  | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|----|-----------------------|
| N                     | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| NNE                   | .1  | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| NE                    | .1  | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| ENE                   | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| E                     | .2  | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| ESE                   |     | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| SE                    |     | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| SSE                   |     |     | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| S                     |     | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| SSW                   |     |     | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| SW                    | .1  | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| WSW                   |     |     | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| W                     |     | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| WNW                   |     | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| NW                    | .1  | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1 | .1                    |
| NNW                   | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |      |    |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |      |    |                       |
|                       | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |

TOTAL NUMBER OF OBSERVATIONS 100

STATION NAME  
 LOCATION  
 DATE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: \_\_\_\_\_ DATE: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 DATE: \_\_\_\_\_

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                     | .7  | 1.1 | 1.1  | 1.1   | 1.1   |       |       |       |       |       |      | 1.1 | 1.1                   |
| NNE                   | .6  | 1.1 | 1.1  | 1.1   | 1.1   |       |       |       |       |       |      | 1.1 | 1.1                   |
| NE                    | .6  | 1.1 | 1.1  | 1.1   | 1.1   |       |       |       |       |       |      | 1.1 | 1.1                   |
| ENE                   |     | .6  | 1.1  | 1.1   | 1.1   |       |       |       |       |       |      | 1.1 | 1.1                   |
| E                     | .2  | 1.1 | 1.1  | 1.1   | 1.1   | .7    |       |       |       |       |      | 1.1 | 1.1                   |
| ESE                   |     | .6  | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| SE                    |     | .6  | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| SSE                   |     | .6  | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| S                     |     | .6  | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| SSW                   |     | .6  | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| SW                    |     | .6  | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| WSW                   |     | .6  | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| W                     |     | .6  | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| WNW                   |     | .6  | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| NW                    | .6  | 1.1 | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| NNW                   | .6  | 1.1 | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |      |     |                       |
|                       | 1.2 | 1.1 | 1.1  | 1.1   | 1.1   | 1.1   |       |       |       |       |      | 1.1 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS: \_\_\_\_\_

1. *Chlorophyll a* (Chl *a*)  
 2. *Chlorophyll b* (Chl *b*)  
 3. *Chlorophyll c* (Chl *c*)  
 4. *Chlorophyll d* (Chl *d*)  
 5. *Chlorophyll e* (Chl *e*)  
 6. *Chlorophyll f* (Chl *f*)  
 7. *Chlorophyll g* (Chl *g*)  
 8. *Chlorophyll h* (Chl *h*)  
 9. *Chlorophyll i* (Chl *i*)  
 10. *Chlorophyll j* (Chl *j*)  
 11. *Chlorophyll k* (Chl *k*)  
 12. *Chlorophyll l* (Chl *l*)  
 13. *Chlorophyll m* (Chl *m*)  
 14. *Chlorophyll n* (Chl *n*)  
 15. *Chlorophyll o* (Chl *o*)  
 16. *Chlorophyll p* (Chl *p*)  
 17. *Chlorophyll q* (Chl *q*)  
 18. *Chlorophyll r* (Chl *r*)  
 19. *Chlorophyll s* (Chl *s*)  
 20. *Chlorophyll t* (Chl *t*)  
 21. *Chlorophyll u* (Chl *u*)  
 22. *Chlorophyll v* (Chl *v*)  
 23. *Chlorophyll w* (Chl *w*)  
 24. *Chlorophyll x* (Chl *x*)  
 25. *Chlorophyll y* (Chl *y*)  
 26. *Chlorophyll z* (Chl *z*)  
 27. *Chlorophyll aa* (Chl *aa*)  
 28. *Chlorophyll ab* (Chl *ab*)  
 29. *Chlorophyll ac* (Chl *ac*)  
 30. *Chlorophyll ad* (Chl *ad*)  
 31. *Chlorophyll ae* (Chl *ae*)  
 32. *Chlorophyll af* (Chl *af*)  
 33. *Chlorophyll ag* (Chl *ag*)  
 34. *Chlorophyll ah* (Chl *ah*)  
 35. *Chlorophyll ai* (Chl *ai*)  
 36. *Chlorophyll aj* (Chl *aj*)  
 37. *Chlorophyll ak* (Chl *ak*)  
 38. *Chlorophyll al* (Chl *al*)  
 39. *Chlorophyll am* (Chl *am*)  
 40. *Chlorophyll an* (Chl *an*)  
 41. *Chlorophyll ao* (Chl *ao*)  
 42. *Chlorophyll ap* (Chl *ap*)  
 43. *Chlorophyll aq* (Chl *aq*)  
 44. *Chlorophyll ar* (Chl *ar*)  
 45. *Chlorophyll as* (Chl *as*)  
 46. *Chlorophyll at* (Chl *at*)  
 47. *Chlorophyll au* (Chl *au*)  
 48. *Chlorophyll av* (Chl *av*)  
 49. *Chlorophyll aw* (Chl *aw*)  
 50. *Chlorophyll ax* (Chl *ax*)  
 51. *Chlorophyll ay* (Chl *ay*)  
 52. *Chlorophyll az* (Chl *az*)  
 53. *Chlorophyll aza* (Chl *aza*)  
 54. *Chlorophyll abz* (Chl *abz*)  
 55. *Chlorophyll acz* (Chl *acz*)  
 56. *Chlorophyll adz* (Chl *adz*)  
 57. *Chlorophyll aez* (Chl *aez*)  
 58. *Chlorophyll afz* (Chl *afz*)  
 59. *Chlorophyll agz* (Chl *agz*)  
 60. *Chlorophyll ahz* (Chl *ahz*)  
 61. *Chlorophyll aiz* (Chl *aiz*)  
 62. *Chlorophyll ajz* (Chl *ajz*)  
 63. *Chlorophyll akz* (Chl *akz*)  
 64. *Chlorophyll alz* (Chl *alz*)  
 65. *Chlorophyll amz* (Chl *amz*)  
 66. *Chlorophyll anz* (Chl *anz*)  
 67. *Chlorophyll aoz* (Chl *aoz*)  
 68. *Chlorophyll apz* (Chl *apz*)  
 69. *Chlorophyll aqz* (Chl *aqz*)  
 70. *Chlorophyll arz* (Chl *arz*)  
 71. *Chlorophyll asz* (Chl *asz*)  
 72. *Chlorophyll atz* (Chl *atz*)  
 73. *Chlorophyll auz* (Chl *auz*)  
 74. *Chlorophyll avz* (Chl *avz*)  
 75. *Chlorophyll awz* (Chl *awz*)  
 76. *Chlorophyll axz* (Chl *axz*)  
 77. *Chlorophyll ayz* (Chl *ayz*)  
 78. *Chlorophyll azz* (Chl *azz*)  
 79. *Chlorophyll azaa* (Chl *aza*)  
 80. *Chlorophyll abz* (Chl *abz*)  
 81. *Chlorophyll acz* (Chl *acz*)  
 82. *Chlorophyll adz* (Chl *adz*)  
 83. *Chlorophyll aez* (Chl *aez*)  
 84. *Chlorophyll afz* (Chl *afz*)  
 85. *Chlorophyll agz* (Chl *agz*)  
 86. *Chlorophyll ahz* (Chl *ahz*)  
 87. *Chlorophyll aiz* (Chl *aiz*)  
 88. *Chlorophyll ajz* (Chl *ajz*)  
 89. *Chlorophyll akz* (Chl *akz*)  
 90. *Chlorophyll alz* (Chl *alz*)  
 91. *Chlorophyll amz* (Chl *amz*)  
 92. *Chlorophyll anz* (Chl *anz*)  
 93. *Chlorophyll aoz* (Chl *aoz*)  
 94. *Chlorophyll apz* (Chl *apz*)  
 95. *Chlorophyll aqz* (Chl *aqz*)  
 96. *Chlorophyll arz* (Chl *arz*)  
 97. *Chlorophyll asz* (Chl *asz*)  
 98. *Chlorophyll atz* (Chl *atz*)  
 99. *Chlorophyll auz* (Chl *auz*)  
 100. *Chlorophyll avz* (Chl *avz*)  
 101. *Chlorophyll awz* (Chl *awz*)  
 102. *Chlorophyll axz* (Chl *axz*)  
 103. *Chlorophyll ayz* (Chl *ayz*)  
 104. *Chlorophyll azz* (Chl *azz*)  
 105. *Chlorophyll azaa* (Chl *aza*)  
 106. *Chlorophyll abz* (Chl *abz*)  
 107. *Chlorophyll acz* (Chl *acz*)  
 108. *Chlorophyll adz* (Chl *adz*)  
 109. *Chlorophyll aez* (Chl *aez*)  
 110. *Chlorophyll afz* (Chl *afz*)  
 111. *Chlorophyll agz* (Chl *agz*)  
 112. *Chlorophyll ahz* (Chl *ahz*)  
 113. *Chlorophyll aiz* (Chl *aiz*)  
 114. *Chlorophyll ajz* (Chl *ajz*)  
 115. *Chlorophyll akz* (Chl *akz*)  
 116. *Chlorophyll alz* (Chl *alz*)  
 117. *Chlorophyll amz* (Chl *amz*)  
 118. *Chlorophyll anz* (Chl *anz*)  
 119. *Chlorophyll aoz* (Chl *aoz*)  
 120. *Chlorophyll apz* (Chl *apz*)  
 121. *Chlorophyll aqz* (Chl *aqz*)  
 122. *Chlorophyll arz* (Chl *arz*)  
 123. *Chlorophyll asz* (Chl *asz*)  
 124. *Chlorophyll atz* (Chl *atz*)  
 125. *Chlorophyll auz* (Chl *auz*)  
 126. *Chlorophyll avz* (Chl *avz*)  
 127. *Chlorophyll awz* (Chl *awz*)  
 128. *Chlorophyll axz* (Chl *axz*)  
 129. *Chlorophyll ayz* (Chl *ayz*)  
 130. *Chlorophyll azz* (Chl *azz*)  
 131. *Chlorophyll azaa* (Chl *aza*)  
 132. *Chlorophyll abz* (Chl *abz*)  
 133.

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

[illegible]

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | IV 56 | %    | MEAN<br>AND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------------|
| N                     | .4  | .7  | 1.0  | 1.0   | 1.7   | .1    |       |       |       |       |       | 1.7  | 1.7                  |
| NNE                   | .1  | 1.7 | .7   | .7    |       | .1    |       |       |       |       |       | .7   | 1.7                  |
| NE                    | .1  | .7  | 1.1  | .7    | .1    |       |       |       |       |       |       | 1.1  | .7                   |
| ENE                   |     | .7  | 1.1  | 1.1   | .4    |       |       |       |       |       |       | .7   | 1.1                  |
| E                     | .1  | .7  | 1.0  | 1.1   | 1.7   | .1    |       |       |       |       |       | 1.7  | 1.7                  |
| ESE                   |     | .7  | .7   | .1    | .1    |       |       |       |       |       |       | .7   | .7                   |
| SE                    | .1  | .7  | .7   | .1    | .1    |       |       |       |       |       |       | .7   | .7                   |
| SSE                   |     |     |      | .1    |       |       |       |       |       |       |       | .1   | .1                   |
| S                     |     | .7  | .7   | .4    |       |       |       |       |       |       |       | .7   | .7                   |
| SSW                   |     | .1  |      | .7    |       |       |       |       |       |       |       | .1   | .7                   |
| SW                    |     |     | .7   |       |       |       |       |       |       |       |       | .7   | .7                   |
| WSW                   |     |     | .7   | .7    |       |       |       |       |       |       |       | .7   | .7                   |
| W                     |     | .7  | .4   | .4    |       |       |       |       |       |       |       | 1.1  | .7                   |
| WNW                   |     | .7  | .7   | .7    | .7    |       |       |       |       |       |       | 1.1  | 1.7                  |
| NW                    | .7  | 1.7 | 1.1  | 1.7   | .7    | .4    |       |       |       |       |       | 1.7  | 1.7                  |
| NNW                   | .7  | 1.7 | 1.0  | 1.0   | .5    | .1    |       |       |       |       |       | 1.1  | .7                   |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |       |      |                      |
| CALM                  |     |     |      |       |       |       |       |       |       |       |       | 17.0 |                      |
|                       | 1.2 | 1.4 | 1.0  | 1.0   | 1.0   | .1    |       |       |       |       |       | 1.0  | 1.0                  |

TOTAL NUMBER OF OBSERVATIONS

3

STATION NAME  
 LOCATION  
 COUNTY, STATE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

LOCATION: \_\_\_\_\_

COUNTY, STATE: \_\_\_\_\_

PERIOD OF RECORD: \_\_\_\_\_

CLASS: \_\_\_\_\_

REMARKS: \_\_\_\_\_

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %  | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|----|-----------------------|
| N                     | .1  | .1   | .1   | .1    | .1    | .4    |       |       |       |       |      | .1 | .1                    |
| NNE                   |     | .1   | .1   | .4    |       |       |       |       |       |       |      | .1 | .1                    |
| NE                    |     | .1   | .7   | .1    | .4    |       |       |       |       |       |      | .1 | .1                    |
| ENE                   | .1  | .1   | .1   | .7    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| E                     | .1  | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| ESE                   | .1  | .1   | .7   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SE                    | .1  | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SSE                   |     | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| S                     | .1  | .1   | .7   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SSW                   |     | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SW                    |     | .7   | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| WSW                   |     | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| W                     |     | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| WNW                   | .1  | .1   | .7   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| NW                    | .1  | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| NNW                   | .1  | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| VARBL                 |     |      |      |       |       |       |       |       |       |       |      |    |                       |
| CALM                  |     |      |      |       |       |       |       |       |       |       |      |    |                       |
|                       | 1.1 | 17.3 | 20.5 | 16.1  | 9.1   | 1.7   |       |       |       |       |      |    |                       |

TOTAL NUMBER OF OBSERVATIONS

3

STATION NAME  
 LOCATION  
 COUNTY, STATE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

DATE: \_\_\_\_\_ YEAR: \_\_\_\_\_  
 TIME: \_\_\_\_\_  
 CLASS: \_\_\_\_\_  
 NAME: \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|---|-----------------------|
| N                       | •   | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| NNE                     | •   | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| NE                      |     | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| ENE                     |     | •   | •    | •     | •     | •     | •     |       |       |       |      | • | •                     |
| E                       | •   | •   | •    | •     | •     | •     | •     |       |       |       |      | • | •                     |
| ESE                     |     | •   | •    | •     | •     | •     | •     |       |       |       |      | • | •                     |
| SE                      | •   | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| SSE                     |     | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| S                       |     | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| SSW                     |     | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| SW                      | •   | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| WSW                     |     | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| W                       |     | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| WNW                     |     | •   | •    | •     | •     | •     |       |       |       |       |      | • | •                     |
| NW                      |     | •   | •    | •     | •     | •     | •     |       |       |       |      | • | •                     |
| NNW                     |     | •   | •    | •     | •     | •     | •     |       |       |       |      | • | •                     |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| CALM                    |     |     |      |       |       |       |       |       |       |       |      | • | •                     |
|                         | •   | •   | •    | •     | •     | •     | •     | •     | •     | •     | •    | • | •                     |

TOTAL NUMBER OF OBSERVATIONS

3

STATION NAME  
 13, 1956  
 TOWNVILLE, N. C.

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: TOWNVILLE, N. C. DATE: 13, 1956  
 CLASS: 13-14  
 DIRECTION: 13-14

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                       | .2  | 1.0 | 1.0  | 1.0   | 1.0   | .1    |       |       |       |       |      | 3.0 | .1                    |
| NNE                     | .2  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1  | .1                    |
| NE                      | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1  | .1                    |
| ENE                     |     | .1  | .1   | 1.0   | .1    | .1    |       |       |       |       |      | 2.0 | .1                    |
| E                       | .1  | 1.0 | .1   | 1.0   | 1.0   | .1    |       |       |       |       |      | 1.0 | .1                    |
| ESE                     | .1  | .1  | .1   | 1.0   | .1    | .1    |       |       |       |       |      | 4.0 | .1                    |
| SE                      | .1  | .1  | 1.0  | 1.0   | .1    | .1    |       |       |       |       |      | .1  | .1                    |
| SSE                     |     | .1  | .1   | .1    |       |       |       |       |       |       |      | .1  | .1                    |
| S                       | .2  | .1  | .1   | .1    |       |       |       |       |       |       |      | 1.0 | .1                    |
| SSW                     |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| SW                      |     | .1  | .1   | .1    | .1    |       |       |       |       |       |      | .1  | .1                    |
| WSW                     |     | .1  | .1   | .1    |       |       |       |       |       |       |      | .1  | .1                    |
| W                       |     | .1  | .1   | .1    |       |       |       |       |       |       |      | .1  | .1                    |
| WNW                     | .2  | .1  | 1.0  | 1.0   | .1    |       |       |       |       |       |      | 3.0 | .1                    |
| NW                      | .2  | 1.0 | 1.0  | .1    | .1    | .1    | .1    |       |       |       |      | 1.0 | .1                    |
| NNW                     | .1  | 1.0 | 1.0  | 1.0   | 1.0   | .1    |       |       |       |       |      | 1.0 | .1                    |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| CALM                    |     |     |      |       |       |       |       |       |       |       |      | .1  |                       |
|                         | 1.4 | 4.7 | 2.7  | 3.4   | 1.1   | 1.6   | .1    |       |       |       |      | 1.0 | .1                    |

TOTAL NUMBER OF OBSERVATIONS

3

U.S. COAST AND GEOD. SURV.  
 WIND DATA  
 WINDY, N. C. 1971

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WINDY, N. C. DATE 1971 CLASS 1971  
 YEARS 1971  
 COMMENTS

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------------|
| N                       | .0  | 7.0  | 1.0  | 5.0   | .0    | .0    |       |       |       |       |      | 7.0  | .1                    |
| NNE                     | .0  | .0   | .0   | .4    | .1    |       |       |       |       |       |      | .5   | .1                    |
| NE                      | .0  | .0   | .0   | .4    |       |       |       |       |       |       |      | .4   | .1                    |
| ENE                     |     | .0   | 1.0  | 1.0   | .1    | .0    |       |       |       |       |      | .1   | .1                    |
| E                       | .1  | .0   | .0   | 4.0   | 1.0   | .0    |       |       |       |       |      | .1   | .1                    |
| ESE                     |     | .0   | .0   | 1.0   |       |       |       |       |       |       |      | .1   | .1                    |
| SE                      |     | 1.0  | .0   | .0    | .4    |       |       |       |       |       |      | .4   | .1                    |
| SSE                     | .1  |      |      |       |       |       |       |       |       |       |      | .1   | .1                    |
| S                       | .1  | .0   | .0   | .0    |       |       |       |       |       |       |      | .1   | .1                    |
| SSW                     |     |      |      |       |       |       |       |       |       |       |      | .0   | .1                    |
| SW                      |     | .0   | .4   | .1    |       |       |       |       |       |       |      | .5   | .1                    |
| WSW                     |     | .1   | .1   |       |       |       |       |       |       |       |      | .2   | .1                    |
| W                       |     | .0   | .1   | .0    | .1    |       |       |       |       |       |      | .2   | .1                    |
| WNW                     |     | .1   | .4   | .0    | .1    |       |       |       |       |       |      | .6   | .1                    |
| NW                      | .1  | 2.0  | .0   | 2.0   | .0    | .0    | .1    |       |       |       |      | 4.1  | .1                    |
| NNW                     | .4  | 3.1  | .0   | 3.0   | 1.0   |       |       |       |       |       |      | 7.5  | .1                    |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |      | 4.0  |                       |
|                         | 1.0 | 22.0 | 31.7 | 21.5  | 1.2   | .7    | .1    |       |       |       |      | 64.7 | .1                    |

TOTAL NUMBER OF OBSERVATIONS 100



3

U.S. NAVY  
1210 WS  
NAVY, U.S. NAVY

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: NAVY, U.S. NAVY DATE: 1210 WS YEAR: 1964

CLIMATE: 1210 WS

LOCATION: 1210 WS

| SPEED (KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>AND<br>SPEED |
|----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|----------------------|
| N                    | .7  | 1.0  | .2   | 0.    | .4    | .1    |       |       |       |       |      | 1.4  | 0.4                  |
| NNE                  | .1  | .1   | .4   |       |       |       |       |       |       |       |      | 1.6  | 0.5                  |
| NE                   | .1  | .1   | .7   | 1.0   | .7    |       |       |       |       |       |      | 4.6  | 0.7                  |
| ENE                  |     | 1.1  | 1.7  | .3    | .9    | .1    |       |       |       |       |      | 4.1  | 0.7                  |
| E                    | .2  | 2.0  | 1.2  | 4.    | 1.1   | .1    |       |       |       |       |      | 11.6 | 1.0                  |
| ESE                  |     | .1   | .4   | .     |       |       |       |       |       |       |      | 1.5  | 0.7                  |
| SE                   |     | .4   | .4   | .     | .1    |       |       |       |       |       |      | 1.9  | 0.7                  |
| SSE                  |     | .1   | .1   |       |       |       |       |       |       |       |      | .2   | 0.7                  |
| S                    | .2  | .1   | .1   | .1    |       |       |       |       |       |       |      | .4   | 1.0                  |
| SSW                  |     | .1   | .1   |       |       |       |       |       |       |       |      | .2   | 1.0                  |
| SW                   |     | .1   | .1   | .     |       |       |       |       |       |       |      | .2   | 1.0                  |
| WSW                  |     |      | .1   |       |       |       |       |       |       |       |      | .2   | 1.0                  |
| W                    |     | .1   | .7   | .     | .1    |       |       |       |       |       |      | 1.9  | 0.7                  |
| WNW                  |     | .1   | .9   | 1.    |       |       |       |       |       |       |      | 2.0  | 0.7                  |
| NW                   | .7  | 1.1  | .4   | 1.0   | .5    | .1    |       |       |       |       |      | 3.8  | 0.7                  |
| NNW                  | .2  | 1.1  | 4.   | 3.9   | .3    |       |       |       |       |       |      | 10.4 | 0.7                  |
| VARBL                |     |      |      |       |       |       |       |       |       |       |      |      |                      |
| CALM                 |     |      |      |       |       |       |       |       |       |       |      | 17.0 |                      |
|                      | 2.2 | 25.6 | 21.3 | 27.7  | 4.6   | .1    |       |       |       |       |      | 100. | 1.1                  |

TOTAL NUMBER OF OBSERVATIONS 1210 WS

3

U. S. COAST & GEOD. SURV.  
STATION, STAP  
AND VILLAGE, N. C. 10801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

STATION NO. 10801 NAME STAP AND VILLAGE YEAR 1961

ALL WEATHER

CLAS

COND

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                       | .2  | .1   | .4   | .1    | .1    | .1    |       |       |       |       |      | 1.1 | .1                    |
| NNE                     | .1  | .1   | .1   | .1    | .1    |       |       |       |       |       |      | 1.1 | .1                    |
| NE                      | .1  | .4   | .5   | .1    |       |       |       |       |       |       |      | 1.1 | .1                    |
| ENE                     | .2  | .1   | .9   | .1    | .1    | .1    |       |       |       |       |      | 2.4 | .1                    |
| E                       |     | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | 1.1 | .1                    |
| ESE                     |     | .1   | .7   | .1    | .1    | .1    |       |       |       |       |      | 1.1 | .1                    |
| SE                      |     |      | .1   | .1    | .5    |       |       |       |       |       |      | 1.1 | .1                    |
| SSE                     |     | .1   | .4   | .1    |       |       |       |       |       |       |      | 1.1 | .1                    |
| S                       |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | 1.1 | .1                    |
| SSW                     |     |      | .1   | .1    | .1    |       |       |       |       |       |      | 1.1 | .1                    |
| SW                      |     |      | .1   | .1    | .1    |       |       |       |       |       |      | 1.1 | .1                    |
| WSW                     |     | .1   | .1   | .1    |       |       |       |       |       |       |      | 1.1 | .1                    |
| W                       |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | 1.1 | .1                    |
| WNW                     |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | 1.1 | .1                    |
| NW                      | .1  | .4   | .1   | .1    | .1    | .1    |       |       |       |       |      | 1.1 | .1                    |
| NNW                     | .1  | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | 1.1 | .1                    |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |      | 1.1 | .1                    |
| CALM                    |     |      |      |       |       |       |       |       |       |       |      | 1.1 | .1                    |
|                         | 1.2 | 19.7 | 33.9 | 22.1  | 10.1  | 2.1   |       |       |       |       |      | 1.1 | .1                    |

TOTAL NUMBER OF OBSERVATIONS 17

3

STATION NAME  
 CITY, STATE  
 ZIP CODE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: WIND-ROCK/TECH-1000 YEARS: 4-61

CLASS: 10-11-1

LOCATION:

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------------|
| N                       | .   | .1  | 1.1  | .7    | .2    | .1    | .     | .     | .     | .     | .    | 2.1  | 1.1                   |
| NNE                     | .1  | .1  | .1   | .1    | .     | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| NE                      | .1  | .1  | .1   | .1    | .     | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| ENE                     | .   | .1  | .1   | .1    | .1    | .1    | .     | .     | .     | .     | .    | .1   | .1                    |
| E                       | .   | 1.1 | .4   | .1    | .1    | .1    | .     | .     | .     | .     | .    | .1   | .1                    |
| ESE                     | .   | .1  | .1   | .1    | .     | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| SE                      | .   | .   | .1   | .1    | .1    | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| SSE                     | .   | .   | .1   | .     | .     | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| S                       | .   | .1  | .1   | .1    | .1    | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| SSW                     | .   | .1  | .1   | .1    | .     | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| SW                      | .   | .1  | .1   | .1    | .     | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| WSW                     | .   | .   | .    | .     | .     | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| W                       | .   | .1  | .1   | .1    | .     | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| WNW                     | .   | .   | .1   | .1    | .1    | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| NW                      | .4  | .1  | .1   | .1    | .1    | .1    | .     | .     | .     | .     | .    | .1   | .1                    |
| NNW                     | .2  | .1  | .1   | .1    | .1    | .1    | .     | .     | .     | .     | .    | .1   | .1                    |
| VARBL                   | .   | .   | .    | .     | .     | .     | .     | .     | .     | .     | .    | .1   | .1                    |
| CALM                    | .   | .   | .    | .     | .     | .     | .     | .     | .     | .     | .    | 11.4 | .1                    |
|                         | 1.5 | 2.1 | 2.1  | 2.1   | 7.1   | 2.1   | .1    | .     | .     | .     | .    | 11.4 | .1                    |

TOTAL NUMBER OF OBSERVATIONS 117

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NOAA

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1210 WS NAME WINDY HARBOR LOCATION WINDY HARBOR, ALASKA DATE 1964  
 CLASS 1  
 COMMENTS

| SPEED<br>KNTS<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------------|
| N                     | .4  | 8.4  | 1.3  | 1.2   | .7    | .1    | .1    |       |       |       |      | 1.3  | .1                    |
| NNE                   | .1  | .1   | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| NE                    | .1  | .1   | .7   | .1    |       |       |       |       |       |       |      | .1   | .1                    |
| ENE                   |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| E                     |     | 1.2  | 1.0  | 1.1   | .7    |       |       |       |       |       |      | .1   | .1                    |
| ESE                   |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| SE                    |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| SSE                   |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| S                     |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| SSW                   |     |      | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| SW                    |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| WSW                   |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| W                     |     | .1   | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .1                    |
| WNW                   |     | .1   | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1   | .1                    |
| NW                    | .4  | .7   | .1   | .4    | 1.1   | .1    |       |       |       |       |      | 1.1  | .1                    |
| NNW                   | .1  | .1   | .1   | .1    | .1    | .1    |       |       |       |       |      | 1.1  | .1                    |
| VARBL                 |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| CALM                  |     |      |      |       |       |       |       |       |       |       |      | 12.1 |                       |
|                       | 1.5 | 13.6 | 2.0  | 1.6   | 7.9   | 1.9   | .2    |       |       |       |      | 16.1 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS 117

3

NAVY DISTRICT OFFICE  
 1000 10th St  
 San Francisco, Calif. 94133

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME \_\_\_\_\_ DATE \_\_\_\_\_

STATION NUMBER \_\_\_\_\_ YEARS \_\_\_\_\_

CLAS \_\_\_\_\_

UNIT \_\_\_\_\_

| SPEED<br>KNTS.<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------------|
| N                      |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| NNE                    |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| NE                     |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| ENE                    |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| E                      |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| ESE                    |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| SE                     |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| SSE                    |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| S                      |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| SSW                    |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| SW                     |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| WSW                    |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| W                      |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| WNW                    |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| NW                     |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| NNW                    |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| VARBL                  |     |      |      |       |       |       |       |       |       |       |      |      |                       |
| CALM                   |     |      |      |       |       |       |       |       |       |       |      |      |                       |
|                        | .4  | 11.1 | 24.1 | 36.7  | 11.1  | 3.0   | .1    |       |       |       |      | 11.1 | 11.4                  |

TOTAL NUMBER OF OBSERVATIONS 17

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 11-14-01 BY 60322 UCBAW

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

[illegible]

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %   | VEAN<br>AND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-----|----------------------|
| N                       |     | 1.0  | 1.4  | 1.0   | 1.0   | 1.1   | .5    |       |       |       |     | 1.1 | 1.1                  |
| NNE                     | .1  |      | .1   | .1    | .1    | .1    | .1    |       |       |       |     | 1.1 | .1                   |
| NE                      |     | .1   | .    | .1    | .1    |       |       |       |       |       |     | 1.7 | .                    |
| ENE                     |     | .1   |      | .1    |       | .1    |       |       |       |       |     | .1  | .1                   |
| E                       |     | 1.0  | .1   | 1.0   | 1.0   | .1    |       |       |       |       |     | .1  | 1.7                  |
| ESE                     |     | .1   | 1.0  | 1.0   | .1    |       |       |       |       |       |     | 4.1 | .1                   |
| SE                      |     | 1.0  | .1   | 1.1   | .1    | .1    |       |       |       |       |     | 1.7 | .1                   |
| SSE                     |     | .1   | .1   | .1    |       | .1    |       |       |       |       |     | 1.4 | .1                   |
| S                       |     | .1   | 1.4  | .1    | .1    | .1    |       |       |       |       |     | .1  | .1                   |
| SSW                     |     | .    | .    | .1    |       |       |       |       |       |       |     | .1  | .1                   |
| SW                      | .1  | .1   | .1   | .     | .1    |       |       |       |       |       |     | 1.1 | 1.1                  |
| WSW                     |     | .1   | .1   | .1    |       |       |       |       |       |       |     | .1  | .1                   |
| W                       | .1  | 1.0  | 1.0  | 1.0   | .1    |       |       |       |       |       |     | 4.1 | .1                   |
| WNW                     | .1  | .1   | .1   | 1.1   | .1    |       |       |       |       |       |     | 1.1 | 1.1                  |
| NW                      | .1  | .1   | .1   | 1.0   | .1    | .1    |       |       |       |       |     | 1.1 | 1.1                  |
| NNW                     |     | 1.0  | .1   | .1    | 1.0   | .1    |       |       |       |       |     | 1.1 | 1.1                  |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |     |                      |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     | 4.1 |                      |
|                         | .1  | 12.4 | 2.1  | 10.4  | 17.4  | 1.1   | .1    |       |       |       |     | 1.1 | .1                   |

|                              |    |
|------------------------------|----|
| TOTAL NUMBER OF OBSERVATIONS | 17 |
|------------------------------|----|

3

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF MARINE SERVICE  
WASHINGTON, D. C. 20540

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION \_\_\_\_\_ DATE \_\_\_\_\_ YEAR \_\_\_\_\_

QUARTER \_\_\_\_\_

LOCATION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %  | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|----|-----------------------|
| N                       |     | .1  | 1.1  | 1.6   | 1.6   | 1.1   | .1    |       |       |       |      | .1 | .1                    |
| NNE                     |     | .1  | .1   | .4    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| NE                      |     |     | .1   | .4    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| ENE                     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| E                       |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| ESE                     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SE                      |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SSE                     |     |     | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| S                       |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SSW                     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| SW                      |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| WSW                     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| W                       |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| WNW                     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| NW                      | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| NNW                     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1 | .1                    |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |      |    |                       |
| CALM                    |     |     |      |       |       |       |       |       |       |       |      |    |                       |
|                         | .1  | .1  | .1   | .1    | .1    | .1    | .1    | .1    | .1    | .1    | .1   | .1 | .1                    |

TOTAL NUMBER OF OBSERVATIONS 177

3

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
OFFICE OF NAUTICAL INFORMATION

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME STATION 4110 LOCATION STATION 4110 YEARS 1964-1965

DATE 1965 CLASS 1

DATE 1965 CLASS 1

| SPEED<br>KNTS<br>OR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>WIND<br>SPEED |
|---------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------------|
| N                   | .1  | .7  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .5   | 1.1                   |
| NNE                 | .1  | .7  | .7   | .7    |       |       |       |       |       |       |      | .1   | .3                    |
| NE                  | .1  | .7  | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .3                    |
| ENE                 | .1  | .7  | .1   | .1    | .1    |       |       |       |       |       |      | .1   | .3                    |
| E                   | .1  | .7  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1   | .3                    |
| ESE                 |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1   | .3                    |
| SE                  |     | .1  | .1   | .4    | .1    | .1    |       |       |       |       |      | .1   | .3                    |
| SSE                 |     | .1  | .1   | .1    |       |       |       |       |       |       |      | .1   | .3                    |
| S                   |     | .1  | .1   |       |       |       |       |       |       |       |      | .1   | .3                    |
| SSW                 |     | .1  | .1   |       | .1    |       |       |       |       |       |      | .1   | .3                    |
| SW                  |     | .1  | .1   | .1    |       |       |       |       |       |       |      | .1   | .3                    |
| WSW                 |     | .1  | .1   | .1    |       |       |       |       |       |       |      | .1   | .3                    |
| W                   | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1   | .3                    |
| WNW                 |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1   | .3                    |
| NW                  | .4  | .4  | .1   | .1    | .1    | .1    | .1    |       |       |       |      | .1   | .3                    |
| NNW                 | .1  | .1  | .1   | .1    | .1    | .1    |       |       |       |       |      | .1   | .3                    |
| VAPBL               |     |     |      |       |       |       |       |       |       |       |      |      |                       |
| CALM                |     |     |      |       |       |       |       |       |       |       |      |      |                       |
|                     | 1.7 | 2.7 | 2.1  | 2.4   | 6.7   | 1.5   | .3    |       |       |       |      | 10.2 | 7.2                   |

TOTAL NUMBER OF OBSERVATIONS

147



PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1. NAME \_\_\_\_\_

2. DATE \_\_\_\_\_

3. CLASS \_\_\_\_\_

4. TEACHER \_\_\_\_\_

5. SUBJECT \_\_\_\_\_

6. TOPIC \_\_\_\_\_

7. DATE \_\_\_\_\_

8. CLASS \_\_\_\_\_

9. TEACHER \_\_\_\_\_

10. SUBJECT \_\_\_\_\_

11. TOPIC \_\_\_\_\_

12. DATE \_\_\_\_\_

13. CLASS \_\_\_\_\_

14. TEACHER \_\_\_\_\_

15. SUBJECT \_\_\_\_\_

16. TOPIC \_\_\_\_\_

17. DATE \_\_\_\_\_

18. CLASS \_\_\_\_\_

19. TEACHER \_\_\_\_\_

20. SUBJECT \_\_\_\_\_

21. TOPIC \_\_\_\_\_

22. DATE \_\_\_\_\_

23. CLASS \_\_\_\_\_

24. TEACHER \_\_\_\_\_

25. SUBJECT \_\_\_\_\_

26. TOPIC \_\_\_\_\_

27. DATE \_\_\_\_\_

28. CLASS \_\_\_\_\_

29. TEACHER \_\_\_\_\_

30. SUBJECT \_\_\_\_\_

31. TOPIC \_\_\_\_\_

32. DATE \_\_\_\_\_

33. CLASS \_\_\_\_\_

34. TEACHER \_\_\_\_\_

35. SUBJECT \_\_\_\_\_

36. TOPIC \_\_\_\_\_

37. DATE \_\_\_\_\_

38. CLASS \_\_\_\_\_

39. TEACHER \_\_\_\_\_

40. SUBJECT \_\_\_\_\_

41. TOPIC \_\_\_\_\_

42. DATE \_\_\_\_\_

43. CLASS \_\_\_\_\_

44. TEACHER \_\_\_\_\_

45. SUBJECT \_\_\_\_\_

46. TOPIC \_\_\_\_\_

47. DATE \_\_\_\_\_

48. CLASS \_\_\_\_\_

49. TEACHER \_\_\_\_\_

50. SUBJECT \_\_\_\_\_

51. TOPIC \_\_\_\_\_

52. DATE \_\_\_\_\_

53. CLASS \_\_\_\_\_

54. TEACHER \_\_\_\_\_

55. SUBJECT \_\_\_\_\_

56. TOPIC \_\_\_\_\_

57. DATE \_\_\_\_\_

58. CLASS \_\_\_\_\_

59. TEACHER \_\_\_\_\_

60. SUBJECT \_\_\_\_\_

61. TOPIC \_\_\_\_\_

62. DATE \_\_\_\_\_

63. CLASS \_\_\_\_\_

64. TEACHER \_\_\_\_\_

65. SUBJECT \_\_\_\_\_

66. TOPIC \_\_\_\_\_

67. DATE \_\_\_\_\_

68. CLASS \_\_\_\_\_

69. TEACHER \_\_\_\_\_

70. SUBJECT \_\_\_\_\_

71. TOPIC \_\_\_\_\_

72. DATE \_\_\_\_\_

73. CLASS \_\_\_\_\_

74. TEACHER \_\_\_\_\_

75. SUBJECT \_\_\_\_\_

76. TOPIC \_\_\_\_\_

77. DATE \_\_\_\_\_

78. CLASS \_\_\_\_\_

79. TEACHER \_\_\_\_\_

80. SUBJECT \_\_\_\_\_

81. TOPIC \_\_\_\_\_

82. DATE \_\_\_\_\_

83. CLASS \_\_\_\_\_

84. TEACHER \_\_\_\_\_

85. SUBJECT \_\_\_\_\_

86. TOPIC \_\_\_\_\_

87. DATE \_\_\_\_\_

88. CLASS \_\_\_\_\_

89. TEACHER \_\_\_\_\_

90. SUBJECT \_\_\_\_\_

91. TOPIC \_\_\_\_\_

92. DATE \_\_\_\_\_

93. CLASS \_\_\_\_\_

94. TEACHER \_\_\_\_\_

95. SUBJECT \_\_\_\_\_

96. TOPIC \_\_\_\_\_

97. DATE \_\_\_\_\_

98. CLASS \_\_\_\_\_

99. TEACHER \_\_\_\_\_

100. SUBJECT \_\_\_\_\_

101. TOPIC \_\_\_\_\_

102. DATE \_\_\_\_\_

103. CLASS \_\_\_\_\_

104. TEACHER \_\_\_\_\_

105. SUBJECT \_\_\_\_\_

106. TOPIC \_\_\_\_\_

107. DATE \_\_\_\_\_

108. CLASS \_\_\_\_\_

109. TEACHER \_\_\_\_\_

110. SUBJECT \_\_\_\_\_

111. TOPIC \_\_\_\_\_

112. DATE \_\_\_\_\_

113. CLASS \_\_\_\_\_

114. TEACHER \_\_\_\_\_

115. SUBJECT \_\_\_\_\_

116. TOPIC \_\_\_\_\_

117. DATE \_\_\_\_\_

118. CLASS \_\_\_\_\_

119. TEACHER \_\_\_\_\_

120. SUBJECT \_\_\_\_\_

121. TOPIC \_\_\_\_\_

122. DATE \_\_\_\_\_

123. CLASS \_\_\_\_\_

124. TEACHER \_\_\_\_\_

125. SUBJECT \_\_\_\_\_

126. TOPIC \_\_\_\_\_

127. DATE \_\_\_\_\_

128. CLASS \_\_\_\_\_

129. TEACHER \_\_\_\_\_

130. SUBJECT \_\_\_\_\_

131. TOPIC \_\_\_\_\_

132. DATE \_\_\_\_\_

133. CLASS \_\_\_\_\_

134. TEACHER \_\_\_\_\_

135. SUBJECT \_\_\_\_\_

136. TOPIC \_\_\_\_\_

137. DATE \_\_\_\_\_

138. CLASS \_\_\_\_\_

139. TEACHER \_\_\_\_\_

140. SUBJECT \_\_\_\_\_

141. TOPIC \_\_\_\_\_

142. DATE \_\_\_\_\_

143. CLASS \_\_\_\_\_

144. TEACHER \_\_\_\_\_

145. SUBJECT \_\_\_\_\_

146. TOPIC \_\_\_\_\_

147. DATE \_\_\_\_\_

148. CLASS \_\_\_\_\_

149. TEACHER \_\_\_\_\_

150. SUBJECT \_\_\_\_\_

151. TOPIC \_\_\_\_\_

152. DATE \_\_\_\_\_

153. CLASS \_\_\_\_\_

154. TEACHER \_\_\_\_\_

155. SUBJECT \_\_\_\_\_

156. TOPIC \_\_\_\_\_

157. DATE \_\_\_\_\_

158. CLASS \_\_\_\_\_

159. TEACHER \_\_\_\_\_

160. SUBJECT \_\_\_\_\_

161. TOPIC \_\_\_\_\_

162. DATE \_\_\_\_\_

163. CLASS \_\_\_\_\_

164. TEACHER \_\_\_\_\_

165. SUBJECT \_\_\_\_\_

166. TOPIC \_\_\_\_\_

167. DATE \_\_\_\_\_

168. CLASS \_\_\_\_\_

169. TEACHER \_\_\_\_\_

170. SUBJECT \_\_\_\_\_

171. TOPIC \_\_\_\_\_

172. DATE \_\_\_\_\_

173. CLASS \_\_\_\_\_

174. TEACHER \_\_\_\_\_

175. SUBJECT \_\_\_\_\_

176. TOPIC \_\_\_\_\_

177. DATE \_\_\_\_\_

178. CLASS \_\_\_\_\_

179. TEACHER \_\_\_\_\_

180. SUBJECT \_\_\_\_\_

181. TOPIC \_\_\_\_\_

182. DATE \_\_\_\_\_

183. CLASS \_\_\_\_\_

184. TEACHER \_\_\_\_\_

185. SUBJECT \_\_\_\_\_

186. TOPIC \_\_\_\_\_

187. DATE \_\_\_\_\_

188. CLASS \_\_\_\_\_

189. TEACHER \_\_\_\_\_

190. SUBJECT \_\_\_\_\_

191. TOPIC \_\_\_\_\_

192. DATE \_\_\_\_\_

193. CLASS \_\_\_\_\_

194. TEACHER \_\_\_\_\_

195. SUBJECT \_\_\_\_\_

196. TOPIC \_\_\_\_\_

197. DATE \_\_\_\_\_

198. CLASS \_\_\_\_\_

199. TEACHER \_\_\_\_\_

200. SUBJECT \_\_\_\_\_

201. TOPIC \_\_\_\_\_

202. DATE \_\_\_\_\_

203. CLASS \_\_\_\_\_

204. TEACHER \_\_\_\_\_

205. SUBJECT \_\_\_\_\_

206. TOPIC \_\_\_\_\_

207. DATE \_\_\_\_\_

208. CLASS \_\_\_\_\_

209. TEACHER \_\_\_\_\_

210. SUBJECT \_\_\_\_\_

211. TOPIC \_\_\_\_\_

212. DATE \_\_\_\_\_

213. CLASS \_\_\_\_\_

214. TEACHER \_\_\_\_\_

215. SUBJECT \_\_\_\_\_

216. TOPIC \_\_\_\_\_

217. DATE \_\_\_\_\_

218. CLASS \_\_\_\_\_

219. TEACHER \_\_\_\_\_

220. SUBJECT \_\_\_\_\_

221. TOPIC \_\_\_\_\_

222. DATE \_\_\_\_\_

223. CLASS \_\_\_\_\_

224. TEACHER \_\_\_\_\_

225. SUBJECT \_\_\_\_\_

226. TOPIC \_\_\_\_\_

227. DATE \_\_\_\_\_

228. CLASS \_\_\_\_\_

229. TEACHER \_\_\_\_\_

230. SUBJECT \_\_\_\_\_

231. TOPIC \_\_\_\_\_

232. DATE \_\_\_\_\_

233. CLASS \_\_\_\_\_

234. TEACHER \_\_\_\_\_

235. SUBJECT \_\_\_\_\_

236. TOPIC \_\_\_\_\_

237. DATE \_\_\_\_\_

238. CLASS \_\_\_\_\_

239. TEACHER \_\_\_\_\_

| SPEED<br>KNTS<br>D/R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>AND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|------|----------------------|
| N                     | .   | 1.0 | 2.4  | 5.7   | 8.1   | .     | 5.5   |       |       |       |      | 20.7 | 1.6                  |
| NNE                   |     | 1.0 | 2.4  | 5.7   |       |       |       |       |       |       |      | 20.7 | 1.6                  |
| NE                    | 2.4 | 1.0 | 2.4  | 5.7   | 8.1   |       |       |       |       |       |      | 20.7 | 1.6                  |
| ENE                   | 2.4 | 1.0 | 2.4  | 5.7   | 8.1   |       |       |       |       |       |      | 20.7 | 1.6                  |
| E                     | 2.4 | 1.0 | 2.4  | 5.7   | 8.1   | 8.1   |       |       |       |       |      | 20.7 | 1.6                  |
| ESE                   |     | 2.4 | 2.4  | 5.7   | 8.1   |       |       |       |       |       |      | 11.7 | 1.6                  |
| SE                    |     | 2.4 | 2.4  | 5.7   | 8.1   | 8.1   |       |       |       |       |      | 20.7 | 1.6                  |
| SSE                   |     | 2.4 | 2.4  | 5.7   | 8.1   |       |       |       |       |       |      | 20.7 | 1.6                  |
| S                     | 2.4 | 2.4 | 2.4  | 5.7   | 8.1   | 8.1   |       |       |       |       |      | 20.7 | 1.6                  |
| SSW                   |     | 2.4 | 2.4  | 5.7   | 8.1   |       |       |       |       |       |      | 20.7 | 1.6                  |
| SW                    |     | 2.4 | 2.4  | 5.7   | 8.1   |       |       |       |       |       |      | 20.7 | 1.6                  |
| WSW                   |     | 2.4 | 2.4  | 5.7   | 8.1   |       |       |       |       |       |      | 20.7 | 1.6                  |
| W                     |     | 2.4 | 2.4  | 5.7   | 8.1   | 8.1   |       |       |       |       |      | 20.7 | 1.6                  |
| WNW                   |     | 2.4 | 2.4  | 5.7   | 8.1   | 8.1   |       |       |       |       |      | 20.7 | 1.6                  |
| NW                    | 2.4 | 2.4 | 2.4  | 5.7   | 8.1   | 8.1   | 8.1   |       |       |       |      | 20.7 | 1.6                  |
| NNW                   | 2.4 | 2.4 | 2.4  | 5.7   | 8.1   | 8.1   | 8.1   |       |       |       |      | 20.7 | 1.6                  |
| VAPBL                 |     |     |      |       |       |       |       |       |       |       |      |      |                      |
| CALM                  |     |     |      |       |       |       |       |       |       |       |      | 11.7 |                      |
|                       | 1.0 | 2.4 | 2.4  | 5.7   | 8.1   | 8.1   | 8.1   |       |       |       |      | 100. |                      |

TOTAL NUMBER OF OBSERVATIONS 117

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION \_\_\_\_\_ DATE \_\_\_\_\_ YEAR \_\_\_\_\_

LOCATION \_\_\_\_\_

TIME \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

| SPEED<br>KNOTS<br>D.R. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                      |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| NNE                    |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| NE                     |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| ENE                    |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| E                      |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| ESE                    |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| SE                     |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| SSE                    |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| S                      |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| SSW                    |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| SW                     |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| WSW                    |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| W                      |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| WNA                    |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| NW                     |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| NNW                    |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| VARBL                  |     |      |      |       |       |       |       |       |       |       |      |     |                       |
| CALM                   |     |      |      |       |       |       |       |       |       |       |      |     |                       |
|                        | 1.6 | 10.0 | 2.0  | 7.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0  | 1.0 | 1.0                   |

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

3

STATION NAME  
 LOCATION  
 COUNTY, STATE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: MOBILE-2, MOBILE/AFB, MOBILE, ALA. COUNTY: MOBILE  
 STATE: ALA. YEARS: 1961-1962  
 MONTH: ALL HOURS: ALL

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----------------------|
| N                       | .2  | .2  | 1.2  | .2    | .2    | .2    | .2    |       |       |       |      | .4  | .2                    |
| NNE                     | .2  | .2  | 1.2  | .2    | .2    | .2    | .2    |       |       |       |      | .4  | .2                    |
| NE                      | .2  | 1.4 | .2   | .2    |       |       |       |       |       |       |      | .2  | .2                    |
| ENE                     |     | .2  | .2   | .2    |       |       |       |       |       |       |      | .2  | .2                    |
| E                       |     | 1.2 | .2   | 1.2   | .2    |       |       |       |       |       |      | .4  | .2                    |
| ESE                     |     | .2  | .2   | .2    | .2    |       |       |       |       |       |      | .2  | .2                    |
| SE                      |     | .2  | .2   | .2    | .2    |       |       |       |       |       |      | .2  | .2                    |
| SSE                     |     | .2  | .2   | .2    | .2    |       |       |       |       |       |      | .2  | .2                    |
| S                       |     | .2  | .2   | .2    | .2    |       |       |       |       |       |      | 1.2 | .2                    |
| SSW                     |     | .2  | .2   | .2    | .2    |       |       |       |       |       |      | .2  | .2                    |
| SW                      |     | .2  | .2   | .2    | .2    | .2    |       |       |       |       |      | 1.2 | .2                    |
| WSW                     |     | .2  | .2   | .2    | .2    | .2    |       |       |       |       |      | .2  | .2                    |
| W                       |     | .2  | .2   | 1.2   | .2    | .2    |       |       |       |       |      | .4  | .2                    |
| WNW                     |     | .2  | .2   | .2    | .2    | .2    | .2    |       |       |       |      | 1.1 | .4                    |
| NW                      |     | 1.2 | 1.2  | .2    | .2    | .2    | .2    | .2    |       |       |      | 1.1 | .4                    |
| NNW                     | .2  | 2.2 | 1.2  | .2    | .2    | .2    | .2    | .2    |       |       |      | .4  | .2                    |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |      |     |                       |
| CALM                    |     |     |      |       |       |       |       |       |       |       |      | 7.4 |                       |
|                         | .2  | 1.2 | 2.4  | .2    | 1.2   | 1.4   | .2    |       |       |       |      | .2  | .4                    |

TOTAL NUMBER OF OBSERVATIONS 1210

3

STATION NAME  
 LOCATION  
 STATE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

STATION NO. \_\_\_\_\_ DATE \_\_\_\_\_ YEARS \_\_\_\_\_

CLASS \_\_\_\_\_

LOCATION \_\_\_\_\_

| SPEED<br>KNTS<br>D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|---|-----------------------|
| N                     | .7  |     | 1.0  |       |       |       |       |       |       |       |      |   |                       |
| NNE                   |     |     | .7   |       |       |       |       |       |       |       |      |   |                       |
| NE                    | .4  |     |      |       |       |       |       |       |       |       |      |   |                       |
| ENE                   | .1  |     | .1   |       | .1    |       |       |       |       |       |      |   |                       |
| E                     |     |     | 1.0  | .2    |       |       |       |       |       |       |      |   |                       |
| ESE                   | .1  |     | .2   |       |       |       |       |       |       |       |      |   |                       |
| SE                    |     |     | .4   |       |       |       |       |       |       |       |      |   |                       |
| SSE                   |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| S                     |     |     | .2   |       |       |       |       |       |       |       |      |   |                       |
| SSW                   |     |     | .1   |       |       |       |       |       |       |       |      |   |                       |
| SW                    |     |     | .7   |       |       |       |       |       |       |       |      |   |                       |
| WSW                   |     |     | .2   | .2    |       |       |       |       |       |       |      |   |                       |
| W                     |     |     | 1.2  | 1.0   | .3    |       |       |       |       |       |      |   |                       |
| WNW                   |     |     | .2   | .1    |       |       |       |       |       |       |      |   |                       |
| NW                    | .1  | 1.1 | 1.0  | 3.5   | .5    | .1    | .1    | .1    |       |       |      |   |                       |
| NNW                   | .4  | 2.0 | 1.3  | 7.4   | 1.8   | .7    | .1    | .1    |       |       |      |   |                       |
| VARBL                 |     |     |      |       |       |       |       |       |       |       |      |   |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |      |   |                       |
|                       | 2.2 | 7.1 | 2.0  | 1.4   | 11.0  | 1.7   | .2    | .2    |       |       |      |   |                       |

TOTAL NUMBER OF OBSERVATIONS

3

DATE: 10-1-1964  
STATION: 10-1-1964  
NAME: 10-1-1964

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION: 10-1-1964 / 10-1-1964 / 10-1-1964  
NAME: 10-1-1964  
DATE: 10-1-1964  
TIME: 10-1-1964

| SPEED<br>KNTS<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %   | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----------------------|
| N                     | .1  | .2  | .7   | 1.0   | 1.0   | 1.0   | .4    |       |       |       |     | 1.0 | 1.0                   |
| NNE                   | .1  | .5  | .5   | 1.0   | 1.0   |       |       |       |       |       |     | 1.0 | 1.0                   |
| NE                    | .1  | .7  | .6   | .5    | .5    |       |       |       |       |       |     | 1.0 | 1.0                   |
| ENE                   | .1  | .5  | .5   | .5    | .5    |       |       |       |       |       |     | 1.0 | 1.0                   |
| E                     |     | .5  | 1.0  | .5    | .5    |       |       |       |       |       |     | 1.0 | 1.0                   |
| ESE                   |     | .5  | .5   | .5    | .5    |       |       |       |       |       |     | 1.0 | 1.0                   |
| SE                    |     | .5  | .5   | .5    | .5    |       |       |       |       |       |     | 1.0 | 1.0                   |
| SSE                   |     | .5  | .5   | .5    | .5    |       |       |       |       |       |     | 1.0 | 1.0                   |
| S                     |     | .5  | .5   | .5    | .5    |       |       |       |       |       |     | 1.0 | 1.0                   |
| SSW                   |     | .5  | .5   | .5    | .5    |       |       |       |       |       |     | 1.0 | 1.0                   |
| SW                    |     | .5  | .5   | .5    | .5    | .5    |       |       |       |       |     | 1.0 | 1.0                   |
| WSW                   |     | .5  | .5   | .5    | .5    | .5    |       |       |       |       |     | 1.0 | 1.0                   |
| W                     |     | .5  | .5   | 1.0   | .5    | .5    |       |       |       |       |     | 1.0 | 1.0                   |
| WNW                   |     | .5  | .5   | .5    | .5    | .5    |       |       |       |       |     | 1.0 | 1.0                   |
| NW                    | .5  | 1.0 | .5   | .5    | .5    | .5    |       |       |       |       |     | 1.0 | 1.0                   |
| NNW                   | .5  | 1.0 | .5   | .5    | .5    | .5    | .4    |       |       |       |     | 1.0 | 1.0                   |
| VAPBL                 |     |     |      |       |       |       |       |       |       |       |     |     |                       |
| CALM                  |     |     |      |       |       |       |       |       |       |       |     |     |                       |

TOTAL NUMBER OF OBSERVATIONS

3

STATION NAME  
 DATE  
 LOCATION

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

STATION NAME \_\_\_\_\_ DATE \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 CLASS \_\_\_\_\_  
 CONSTRUCTION \_\_\_\_\_

| SPEED<br>(KNTS)<br>D.R. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .3    | .4                    |
| NNE                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .3    | .4                    |
| NE                      |       | .1    | .1     | .1      |         |         |         |         |         |         |      | .3    | .4                    |
| ENE                     |       |       |        | .1      |         |         |         |         |         |         |      | .3    | .4                    |
| E                       |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .3    | .4                    |
| ESE                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .3    | .4                    |
| SE                      |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .3    | .4                    |
| SSE                     |       | .1    | .1     | .1      |         |         |         |         |         |         |      | .3    | .4                    |
| S                       |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .3    | .4                    |
| SSW                     |       | .1    | .1     | .1      | .1      |         |         |         |         |         |      | .3    | .4                    |
| SW                      |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .3    | .4                    |
| WSW                     |       | .1    | .1     | .1      | .1      | .1      |         |         |         |         |      | .3    | .4                    |
| W                       |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | .3    | .4                    |
| WNW                     |       | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | .3    | .4                    |
| NW                      | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | .3    | .4                    |
| NNW                     | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         |         |      | .3    | .4                    |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | .2    | 5.5   | 14.3   | 41.2    | 2.1     | 3.6     | .4      |         |         |         |      | 100.0 | 10.0                  |

TOTAL NUMBER OF OBSERVATIONS

3

U.S. AIR FORCE  
 WIND, CLIMATE  
 AND METEOROLOGICAL RECORDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4-1001 NAME MCLELLAN AIRFIELD LOCATION MCLELLAN AIRFIELD YEARS 1944-1946

CLASS ALL

FUNCTION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-----------------------|
| N                       | .4  | 3.1  | 2.1  | 17.4  | 7.7   | .6    | .1    |       |       |       |      | 2.7   | 1.1                   |
| NNE                     |     | .2   | .2   | .7    |       | .1    |       |       |       |       |      | 1.3   | 1.1                   |
| NE                      |     | .2   | .1   | .     |       |       |       |       |       |       |      | .7    | .                     |
| ENE                     |     | .1   | .    | .     |       |       |       |       |       |       |      | .7    | .7                    |
| E                       | .1  | 1.4  | 1.2  | 1.5   | .8    | .2    |       |       |       |       |      | 2.2   | 1.2                   |
| ESE                     |     | .4   | .5   | .5    |       |       |       |       |       |       |      | 1.8   | .7                    |
| SE                      |     | .4   | .7   |       | .2    |       |       |       |       |       |      | 1.4   | 1.4                   |
| SSE                     |     | .2   | .2   | .1    | .1    |       |       |       |       |       |      | .6    | 1.7                   |
| S                       |     | .    | .2   | .     |       | .1    |       |       |       |       |      | .2    | 1.8                   |
| SSW                     |     | .2   | .    | .2    | .1    |       |       |       |       |       |      | .3    | .                     |
| SW                      | .1  | .7   | .4   | .     |       |       |       |       |       |       |      | 1.5   | 7.0                   |
| WSW                     |     | .    | .2   | .     |       |       |       |       |       |       |      | .3    | 1.1                   |
| W                       | .2  | .6   | 1.2  | 1.2   | .6    | .2    |       |       |       |       |      | 2.6   | 1.1                   |
| WNW                     |     | .2   | .5   | .9    | .4    |       |       |       |       |       |      | 1.6   | 1.5                   |
| NW                      |     | 1.3  | 2.6  | 4.1   | 3.1   | .7    | .2    |       |       |       |      | 12.0  | 13.0                  |
| NNW                     | .1  | 3.2  | 4.6  | 8.4   | 1.7   | 1.1   | .1    | .     |       |       |      | 21.6  | 2.7                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |      |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |      | 1.4   |                       |
|                         | .4  | 12.0 | 23.6 | 36.5  | 16.1  | 3.0   | .3    | .2    |       |       |      | 100.0 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS 477

3

U. S. NAVY DIVISION  
 INDIAN  
 AND MILITARY A. S. 1960.

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 101-10-0 STATION NAME 101-10-0 YEARS 1951-1952

CLASS 101-10-0

CONDITION 101-10-0

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | %    | MEAN<br>AND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|------|----------------------|
| N                       | .0  | .0  | 1.0  | 1.0   | 1.0   | .0    |       |       |       |       |      | 4.0  |                      |
| NNE                     |     | .0  | .0   | .0    | .0    |       |       |       |       |       |      | .0   |                      |
| NE                      |     | .0  | .0   | .0    | .0    |       |       |       |       |       |      | .0   |                      |
| ENE                     |     | .0  | .0   | .0    | .0    |       |       |       |       |       |      | .0   |                      |
| E                       |     | .0  | 1.0  | 1.0   | .0    | .0    |       |       |       |       |      | 4.0  |                      |
| ESE                     |     | .0  | .0   | .0    | .0    | .0    |       |       |       |       |      | .0   |                      |
| SE                      | .1  | .0  | .0   | .0    | .0    | .0    |       |       |       |       |      | 1.0  |                      |
| SSE                     |     | .0  | .0   | .0    |       |       |       |       |       |       |      | .0   |                      |
| S                       | .1  | .0  | .0   | .0    | .0    | .0    |       |       |       |       |      | .0   |                      |
| SSW                     |     | .0  | .0   | .0    | .0    |       |       |       |       |       |      | .0   |                      |
| SW                      | .1  | .0  | .0   | .0    | .0    |       |       |       |       |       |      | 1.0  |                      |
| WSW                     |     | .0  | .0   | .0    | .0    |       |       |       |       |       |      | .0   |                      |
| W                       |     | .0  | 1.0  | .0    | .0    |       |       |       |       |       |      | 3.0  |                      |
| WNW                     |     | .0  | .0   | .0    | .0    |       |       |       |       |       |      | .0   |                      |
| NW                      | .0  | .0  | .0   | 3.0   | 1.0   | .0    | .0    |       |       |       |      | 5.0  |                      |
| NNW                     | .0  | .0  | 5.0  | 5.0   | 1.0   | .0    | .0    |       |       |       |      | 11.0 |                      |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |      |      |                      |
| CALM                    |     |     |      |       |       |       |       |       |       |       |      |      |                      |
|                         | 1.4 | 1.0 | 2.0  | 2.0   | 1.0   | .0    | .0    |       |       |       |      | 1.0  |                      |

TOTAL NUMBER OF OBSERVATIONS 100



3

U.S. AIR FORCE DIVISION  
 15th AF  
 200 MILITARY AFB, TEXAS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15th AF PERIOD 1/1/54-12/31/54 YEARS 1

CLASS ALL

CONDITION

| SPEED<br>KNTS<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                     | .6  | .1   | 1.0  | 1.3   | 4.4   | 1.0   | .1    |       |       |       |     | 11.1  | .4                    |
| NNE                   | .2  | 1.0  | .1   | .1    |       | .1    |       |       |       |       |     | 1.4   | .1                    |
| NE                    | .4  | .1   | .7   |       |       |       |       |       |       |       |     | 1.2   | .1                    |
| ENE                   |     |      | .1   | .1    | .1    |       |       |       |       |       |     | .3    | .1                    |
| E                     |     | .1   | 1.2  | 1.7   | .1    |       |       |       |       |       |     | 3.1   | .1                    |
| ESE                   |     | .1   | .4   | .1    |       |       |       |       |       |       |     | .6    | .1                    |
| SE                    |     | .1   | .1   | .4    | .1    |       |       |       |       |       |     | 1.0   | .1                    |
| SSE                   |     | .1   | .1   |       |       |       |       |       |       |       |     | .2    | .1                    |
| S                     |     | .1   | .1   | .4    |       |       |       |       |       |       |     | .7    | .1                    |
| SSW                   |     | .1   | .1   | .1    | .1    |       |       |       |       |       |     | .4    | .1                    |
| SW                    | .1  |      | .7   | .1    |       |       |       |       |       |       |     | 1.0   | .1                    |
| WSW                   | .1  | .1   | .4   | .1    | .1    |       |       |       |       |       |     | 1.2   | .1                    |
| W                     |     | .1   | 1.0  | 1.4   | .1    | .1    |       |       |       |       |     | 3.6   | .1                    |
| WNW                   |     | .1   | .1   | .1    | .1    |       |       |       |       |       |     | 1.4   | .1                    |
| NW                    |     | 1.1  | 2.5  | 2.1   | 1.0   | .1    | .1    |       |       |       |     | 6.9   | .1                    |
| NNW                   | .1  | 1.1  | 6.1  | 6.1   | 1.1   | .4    | .1    |       |       |       |     | 15.1  | .1                    |
| VARBL                 |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                  |     |      |      |       |       |       |       |       |       |       |     | 11.4  |                       |
|                       | 1.0 | 19.1 | 24.1 | 29.1  | 11.7  | 1.1   | .4    |       |       |       |     | 100.0 | .4                    |

TOTAL NUMBER OF OBSERVATIONS 1200

STATION NAME  
 LOCATION  
 DATE

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION NAME: \_\_\_\_\_ CLASS: \_\_\_\_\_ YEARS: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 DATE: \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %   | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N                       | .1    | .1    | .7     | 1.1     | .6      | .7      | .1      | .1      |         |         |      | .1  | .1                    |
| NNE                     | .1    | .1    | .1     | .1      |         |         |         |         |         |         |      | .1  | .1                    |
| NE                      | .1    | .1    | .1     | .7      | .1      | .1      |         |         |         |         |      | .1  | .1                    |
| ENE                     | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |      | .1  | .1                    |
| E                       | .1    | .1    | 1.1    | 3.1     | 1.1     | .4      | .1      | .1      | .1      |         |      | 1.1 | .1                    |
| ESE                     | .1    | .1    | .1     | 1.1     | .1      | .1      | .1      |         |         | .1      | .1   | .1  | .1                    |
| SE                      | .1    | .1    | .1     | 1.1     | .7      | .4      | .1      | .1      | .1      | .1      | .1   | 1.1 | .1                    |
| SSE                     | .1    | .1    | .4     | .1      | .1      | .1      |         | .1      | .1      |         |      | .1  | .1                    |
| S                       | .1    | 1.1   | 1.7    | 1.7     | .1      | .1      | .1      | .1      | .1      | .1      | .1   | .1  | .1                    |
| SSW                     | .1    | .1    | .1     | .1      | .1      | .1      | .1      |         |         | .1      |      | .1  | .1                    |
| SW                      | .1    | 1.1   | 1.1    | 1.1     | .1      | .1      | .1      |         |         |         | .1   | 1.1 | .1                    |
| WSW                     | .1    | .1    | .1     | .1      | .1      | .1      | .1      | .1      |         |         |      | .1  | .1                    |
| W                       | .1    | 1.7   | 1.7    | 1.1     | .1      | .1      | .1      | .1      | .1      | .1      | .1   | .1  | .1                    |
| WNW                     |       | .1    | .7     | 1.1     | .1      | .1      | .1      | .1      |         |         |      | .1  | .1                    |
| NW                      | .1    | 1.1   | 1.1    | 1.1     | 1.1     | .1      | .1      | .1      |         |         |      | 1.1 | .1                    |
| NNW                     |       | .1    | .1     | 1.1     | .1      | .1      | .1      | .1      | .1      |         |      | .1  | .1                    |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |     |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .1  |                       |
|                         | 1.1   | 2.1   | 2.1    | 2.1     | 7.1     | 3.1     | .1      | .1      | .1      | .1      | .1   | 1.1 | 1.1                   |

TOTAL NUMBER OF OBSERVATIONS

2113

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |     |     |     |      |         |      |         |         |      |       |       |        |       |
|-------------------|----------------------------|-----|-----|-----|------|---------|------|---------|---------|------|-------|-------|--------|-------|
|                   | ≥ 10                       | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3  | ≥ 2 1/2 | ≥ 2  | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1  | ≥ 3/4 | ≥ 1/2 | ≥ 5/16 | ≥ 0   |
| NO CEILING        |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 1800              |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 1500              |                            |     |     |     | 92.6 |         |      |         |         |      |       |       |        | 92.6  |
| 1200              |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 1000              |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 900               |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 800               |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 700               |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 600               |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 500               |                            |     |     |     |      |         |      |         |         | 97.4 |       |       |        | 98.1  |
| 400               |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 300               |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 200               |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 100               |                            |     |     |     |      |         |      |         |         |      |       |       |        |       |
| 0                 |                            |     |     |     | 95.4 |         | 96.9 |         |         | 98.3 |       |       |        | 100.0 |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .

For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.

Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:

Visibility  $\geq 3$  miles = 95.4%.

Visibility  $\geq 2$  miles = 96.9%.

Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MOSLEP-C KOREA/CHEJU-DC RCK 1-34

54-67

ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ 1/2 | ≥ 3/16 | ≥ 1/8 | ≥ 0   |
| NO CEILING      | 25.5                     | 35.9 | 36.0 | 36.  | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1  | 36.1  | 36.1   | 36.1  | 36.1  |
| ≥ 20500         | 31.2                     | 44.2 | 44.4 | 44.5 | 44.5 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6  | 44.6  | 44.6   | 44.6  | 44.6  |
| ≥ 18000         | 31.5                     | 44.6 | 44.7 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9  | 44.9  | 45.0   | 45.0  | 45.0  |
| ≥ 16000         | 31.8                     | 45.1 | 45.2 | 45.3 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4  | 45.4  | 45.4   | 45.4  | 45.5  |
| ≥ 14000         | 33.1                     | 46.8 | 47.0 | 47.1 | 47.1 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2  | 47.2  | 47.2   | 47.2  | 47.2  |
| ≥ 12000         | 35.7                     | 50.7 | 50.9 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1  | 51.2  | 51.2   | 51.2  | 51.2  |
| ≥ 10000         | 38.1                     | 54.5 | 54.8 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  | 55.0  | 55.0   | 55.0  | 55.0  |
| ≥ 9000          | 38.2                     | 54.7 | 54.9 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2  | 55.2  | 55.2   | 55.2  | 55.2  |
| ≥ 8000          | 39.7                     | 57.2 | 57.6 | 57.7 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9  | 57.9   | 57.9  | 57.9  |
| ≥ 7000          | 40.0                     | 57.8 | 58.2 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5  | 58.5  | 58.5   | 58.5  | 58.5  |
| ≥ 6000          | 40.5                     | 58.9 | 59.3 | 59.4 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6  | 59.7  | 59.7   | 59.7  | 59.7  |
| ≥ 5000          | 41.9                     | 61.1 | 61.6 | 61.8 | 61.9 | 61.9 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0  | 62.0  | 62.0   | 62.0  | 62.1  |
| ≥ 4500          | 43.4                     | 64.1 | 64.6 | 64.9 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1  | 65.1  | 65.1   | 65.2  | 65.2  |
| ≥ 4000          | 46.9                     | 70.5 | 71.2 | 71.5 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 | 71.9  | 71.9  | 71.9   | 72.0  | 72.0  |
| ≥ 3500          | 48.3                     | 74.5 | 75.4 | 75.9 | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3  | 76.3  | 76.3   | 76.4  | 76.4  |
| ≥ 3000          | 51.6                     | 81.3 | 82.7 | 83.4 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 84.0 | 84.1 | 84.1  | 84.1  | 84.1   | 84.2  | 84.2  |
| ≥ 2500          | 52.6                     | 85.0 | 86.8 | 87.8 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.9 | 88.9 | 88.9  | 89.0  | 89.0   | 89.1  | 89.1  |
| ≥ 2000          | 52.8                     | 86.3 | 88.5 | 89.9 | 90.9 | 90.9 | 91.3 | 91.3 | 91.3 | 91.6 | 91.7 | 91.7  | 91.8  | 91.8   | 91.9  | 91.9  |
| ≥ 1800          | 52.8                     | 86.4 | 88.7 | 90.1 | 91.1 | 91.2 | 91.6 | 91.6 | 91.6 | 91.8 | 92.0 | 92.0  | 92.1  | 92.1   | 92.2  | 92.2  |
| ≥ 1500          | 53.0                     | 87.1 | 89.5 | 91.1 | 92.3 | 92.4 | 92.9 | 92.9 | 92.9 | 93.3 | 93.5 | 93.5  | 93.6  | 93.7   | 93.8  | 93.8  |
| ≥ 1200          | 53.0                     | 87.6 | 90.1 | 91.8 | 93.2 | 93.2 | 93.8 | 93.9 | 93.9 | 94.3 | 94.5 | 94.5  | 94.7  | 94.7   | 94.8  | 94.8  |
| ≥ 1000          | 53.1                     | 88.0 | 90.6 | 92.5 | 94.0 | 94.0 | 94.7 | 94.8 | 94.8 | 95.4 | 95.6 | 95.6  | 95.8  | 95.8   | 96.0  | 96.0  |
| ≥ 900           | 53.1                     | 88.1 | 90.8 | 92.7 | 94.2 | 94.2 | 94.9 | 95.0 | 95.0 | 95.6 | 95.8 | 95.8  | 96.1  | 96.1   | 96.2  | 96.3  |
| ≥ 800           | 53.1                     | 88.2 | 91.0 | 93.0 | 94.6 | 94.7 | 95.5 | 95.6 | 95.6 | 96.3 | 96.5 | 96.5  | 96.8  | 96.9   | 97.0  | 97.1  |
| ≥ 700           | 53.2                     | 88.3 | 91.1 | 93.2 | 94.8 | 94.9 | 95.8 | 95.9 | 95.9 | 96.7 | 96.9 | 96.9  | 97.3  | 97.3   | 97.5  | 97.6  |
| ≥ 600           | 53.2                     | 88.4 | 91.3 | 93.3 | 95.1 | 95.2 | 96.1 | 96.3 | 96.3 | 97.1 | 97.4 | 97.4  | 97.9  | 97.9   | 98.0  | 98.1  |
| ≥ 500           | 53.2                     | 88.4 | 91.3 | 93.4 | 95.3 | 95.4 | 96.4 | 96.6 | 96.6 | 97.4 | 97.8 | 97.8  | 98.3  | 98.3   | 98.6  | 98.7  |
| ≥ 400           | 53.2                     | 88.4 | 91.3 | 93.4 | 95.3 | 95.4 | 96.4 | 96.6 | 96.6 | 97.5 | 97.9 | 97.9  | 98.5  | 98.5   | 98.8  | 98.9  |
| ≥ 300           | 53.2                     | 88.4 | 91.3 | 93.4 | 95.3 | 95.4 | 96.5 | 96.6 | 96.7 | 97.6 | 98.0 | 98.0  | 98.6  | 98.7   | 99.0  | 99.2  |
| ≥ 200           | 53.2                     | 88.4 | 91.3 | 93.4 | 95.3 | 95.4 | 96.5 | 96.6 | 96.7 | 97.6 | 98.0 | 98.0  | 98.6  | 98.7   | 99.2  | 99.5  |
| ≥ 100           | 53.2                     | 88.4 | 91.3 | 93.4 | 95.3 | 95.4 | 96.5 | 96.6 | 96.7 | 97.6 | 98.0 | 98.0  | 98.7  | 98.8   | 99.2  | 99.7  |
| ≥ 0             | 53.2                     | 88.4 | 91.3 | 93.4 | 95.3 | 95.4 | 96.5 | 96.6 | 96.7 | 97.6 | 98.0 | 98.0  | 98.7  | 98.8   | 99.2  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 113201

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSULF-C MORFA/CHEJU-CC RCK K-3

55-67

3

STATION

STATION NAME

YEARS

GROUP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |        |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 1/8 |
| NO CEILING      | 14.7                     | 22.8 | 22.8 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9  | 22.9 | 22.9   | 22.9 | 22.9  |
| ≥ 20200         | 16.6                     | 25.4 | 25.5 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6  | 25.6 | 25.6   | 25.6 | 25.6  |
| IV 18000        | 16.7                     | 25.5 | 25.6 | 25.6 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7  | 25.7 | 25.7   | 25.7 | 25.7  |
| IV 16000        | 16.9                     | 25.7 | 25.7 | 25.8 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9  | 25.9 | 25.9   | 25.9 | 25.9  |
| IV 14000        | 17.4                     | 26.4 | 26.4 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5  | 26.5 | 26.5   | 26.5 | 26.5  |
| IV 12000        | 18.8                     | 28.4 | 28.4 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5  | 28.5 | 28.5   | 28.5 | 28.5  |
| IV 10000        | 21.1                     | 31.7 | 31.7 | 31.8 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9  | 31.9 | 31.9   | 31.9 | 31.9  |
| IV 9000         | 21.1                     | 31.8 | 31.8 | 31.9 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0  | 32.0 | 32.0   | 32.0 | 32.0  |
| IV 8000         | 22.1                     | 33.3 | 33.3 | 33.4 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5  | 33.5 | 33.5   | 33.5 | 33.5  |
| IV 7000         | 22.4                     | 33.8 | 33.8 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9  | 33.9 | 33.9   | 33.9 | 33.9  |
| IV 6000         | 23.1                     | 34.8 | 34.9 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0  | 35.0 | 35.0   | 35.0 | 35.0  |
| IV 5000         | 25.4                     | 38.5 | 38.5 | 38.6 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7  | 38.7 | 38.7   | 38.7 | 38.7  |
| IV 4500         | 28.3                     | 45.3 | 45.3 | 45.3 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4  | 45.4 | 45.4   | 45.4 | 45.4  |
| IV 4000         | 35.3                     | 59.4 | 59.9 | 60.1 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3  | 60.3 | 60.3   | 60.3 | 60.3  |
| IV 3500         | 38.5                     | 68.5 | 69.3 | 69.9 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2  | 70.2 | 70.2   | 70.2 | 70.2  |
| IV 3000         | 44.3                     | 81.5 | 83.0 | 84.3 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1  | 85.1 | 85.1   | 85.1 | 85.1  |
| IV 2500         | 45.3                     | 87.0 | 89.3 | 91.5 | 92.4 | 92.4 | 92.8 | 92.8 | 92.8 | 93.0 | 93.1 | 93.1  | 93.1 | 93.1   | 93.1 | 93.1  |
| IV 2000         | 45.4                     | 88.8 | 91.7 | 94.7 | 96.2 | 96.2 | 97.1 | 97.1 | 97.1 | 97.6 | 97.7 | 97.7  | 97.7 | 97.7   | 97.8 | 97.8  |
| IV 1800         | 45.4                     | 88.8 | 91.7 | 94.7 | 96.4 | 96.4 | 97.3 | 97.4 | 97.4 | 97.9 | 98.0 | 98.1  | 98.1 | 98.1   | 98.2 | 98.2  |
| IV 1500         | 45.4                     | 89.1 | 92.2 | 95.4 | 97.1 | 97.2 | 98.2 | 98.3 | 98.3 | 98.9 | 99.1 | 99.1  | 99.3 | 99.3   | 99.4 | 99.5  |
| IV 1200         | 45.4                     | 89.1 | 92.2 | 95.5 | 97.2 | 97.2 | 98.3 | 98.4 | 98.4 | 99.1 | 99.3 | 99.3  | 99.5 | 99.5   | 99.6 | 99.6  |
| IV 1000         | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.3 | 98.4 | 98.5 | 98.5 | 99.2 | 99.4 | 99.4  | 99.6 | 99.6   | 99.7 | 99.8  |
| IV 900          | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.3 | 98.4 | 98.5 | 98.5 | 99.2 | 99.4 | 99.4  | 99.6 | 99.6   | 99.7 | 99.8  |
| IV 800          | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.3 | 98.4 | 98.5 | 98.5 | 99.2 | 99.4 | 99.4  | 99.6 | 99.6   | 99.7 | 99.8  |
| IV 700          | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.4 | 98.4 | 98.6 | 98.6 | 99.2 | 99.5 | 99.5  | 99.7 | 99.7   | 99.8 | 99.9  |
| IV 600          | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.4 | 98.4 | 98.6 | 98.6 | 99.2 | 99.5 | 99.5  | 99.7 | 99.7   | 99.9 | 100.0 |
| IV 500          | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.4 | 98.4 | 98.6 | 98.6 | 99.2 | 99.5 | 99.5  | 99.7 | 99.7   | 99.9 | 100.0 |
| IV 400          | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.4 | 98.4 | 98.6 | 98.6 | 99.2 | 99.5 | 99.5  | 99.7 | 99.7   | 99.9 | 100.0 |
| IV 300          | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.4 | 98.4 | 98.6 | 98.6 | 99.2 | 99.5 | 99.5  | 99.7 | 99.7   | 99.9 | 100.0 |
| IV 200          | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.4 | 98.4 | 98.6 | 98.6 | 99.2 | 99.5 | 99.5  | 99.7 | 99.7   | 99.9 | 100.0 |
| IV 100          | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.4 | 98.4 | 98.6 | 98.6 | 99.2 | 99.5 | 99.5  | 99.7 | 99.7   | 99.9 | 100.0 |
| IV 0            | 45.4                     | 89.2 | 92.3 | 95.5 | 97.3 | 97.4 | 98.4 | 98.6 | 98.6 | 99.2 | 99.5 | 99.5  | 99.7 | 99.7   | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 9671

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSULP-C MCRFA/CHEJL-DC RCK 1-37 15-67

FILE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | ≥ 10 | ≥ 5  | ≥ 3  | ≥ 2  | ≥ 1  | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 | ≥ 1/256 | ≥ 1/512 | ≥ 1/1024 |
|-----------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|---------|---------|---------|----------|
| NO CEILING      | 21.6 | 31.8 | 22.1 | 32.1 | 32.1 | 32.1  | 32.2  | 32.2  | 32.2   | 32.2   | 32.3   | 32.3    | 32.3    | 32.3    | 32.3     |
| ≥ 20000         | 25.0 | 37.9 | 38.1 | 38.2 | 38.2 | 38.2  | 38.3  | 38.3  | 38.3   | 38.3   | 38.3   | 38.3    | 38.3    | 38.3    | 38.3     |
| ≥ 15000         | 26.3 | 38.2 | 38.5 | 38.5 | 38.5 | 38.6  | 38.6  | 38.6  | 38.6   | 38.6   | 38.7   | 38.7    | 38.7    | 38.7    | 38.7     |
| ≥ 10000         | 26.5 | 38.5 | 38.8 | 38.8 | 38.9 | 38.9  | 38.9  | 38.9  | 38.9   | 38.9   | 39.0   | 39.0    | 39.0    | 39.0    | 39.0     |
| ≥ 8000          | 27.7 | 39.5 | 40.2 | 40.3 | 40.3 | 40.3  | 40.4  | 40.4  | 40.4   | 40.4   | 40.4   | 40.4    | 40.4    | 40.4    | 40.4     |
| ≥ 6000          | 30.5 | 44.4 | 44.3 | 44.3 | 44.3 | 44.4  | 44.4  | 44.4  | 44.4   | 44.4   | 44.5   | 44.5    | 44.5    | 44.5    | 44.5     |
| ≥ 4000          | 32.3 | 47.1 | 47.4 | 47.4 | 47.4 | 47.5  | 47.5  | 47.5  | 47.5   | 47.5   | 47.6   | 47.6    | 47.6    | 47.6    | 47.6     |
| ≥ 3000          | 32.4 | 47.2 | 47.5 | 47.6 | 47.6 | 47.6  | 47.7  | 47.7  | 47.7   | 47.7   | 47.7   | 47.7    | 47.7    | 47.7    | 47.7     |
| ≥ 2000          | 33.8 | 49.8 | 50.2 | 50.3 | 50.3 | 50.3  | 50.4  | 50.4  | 50.4   | 50.4   | 50.4   | 50.4    | 50.4    | 50.4    | 50.4     |
| ≥ 1500          | 34.0 | 50.3 | 50.7 | 50.8 | 50.8 | 50.8  | 50.8  | 50.9  | 50.9   | 50.9   | 50.9   | 50.9    | 50.9    | 50.9    | 50.9     |
| ≥ 1000          | 34.6 | 51.6 | 52.0 | 52.1 | 52.1 | 52.1  | 52.2  | 52.2  | 52.2   | 52.2   | 52.2   | 52.2    | 52.2    | 52.2    | 52.2     |
| ≥ 800           | 36.9 | 55.4 | 55.9 | 55.9 | 56.0 | 56.0  | 56.0  | 56.0  | 56.0   | 56.0   | 56.1   | 56.1    | 56.1    | 56.1    | 56.1     |
| ≥ 600           | 39.3 | 61.3 | 61.9 | 62.0 | 62.0 | 62.0  | 62.1  | 62.1  | 62.1   | 62.1   | 62.1   | 62.1    | 62.1    | 62.1    | 62.1     |
| ≥ 400           | 43.9 | 71.7 | 71.5 | 71.7 | 71.7 | 71.8  | 71.8  | 71.8  | 71.8   | 71.8   | 71.9   | 71.9    | 71.9    | 71.9    | 71.9     |
| ≥ 300           | 45.8 | 76.8 | 77.9 | 78.3 | 78.4 | 78.4  | 78.5  | 78.5  | 78.5   | 78.5   | 78.6   | 78.6    | 78.6    | 78.6    | 78.6     |
| ≥ 200           | 50.3 | 87.1 | 89.0 | 89.7 | 90.1 | 90.1  | 90.2  | 90.2  | 90.2   | 90.3   | 90.3   | 90.3    | 90.4    | 90.4    | 90.4     |
| ≥ 100           | 50.7 | 90.4 | 92.9 | 94.3 | 95.0 | 95.1  | 95.3  | 95.4  | 95.4   | 95.4   | 95.5   | 95.5    | 95.5    | 95.5    | 95.5     |
| ≥ 80            | 50.7 | 91.3 | 94.2 | 95.8 | 96.9 | 97.0  | 97.3  | 97.4  | 97.4   | 97.5   | 97.6   | 97.6    | 97.6    | 97.7    | 97.7     |
| ≥ 60            | 50.7 | 91.4 | 94.3 | 96.0 | 97.2 | 97.3  | 97.7  | 97.8  | 97.8   | 97.9   | 98.0   | 98.0    | 98.0    | 98.1    | 98.1     |
| ≥ 40            | 50.7 | 91.6 | 94.5 | 96.3 | 97.6 | 97.7  | 98.2  | 98.3  | 98.3   | 98.5   | 98.6   | 98.6    | 98.6    | 98.7    | 98.7     |
| ≥ 30            | 50.7 | 91.7 | 94.7 | 96.6 | 98.0 | 98.1  | 98.7  | 98.7  | 98.7   | 98.9   | 99.0   | 99.0    | 99.1    | 99.1    | 99.2     |
| ≥ 20            | 50.7 | 91.9 | 94.9 | 96.9 | 98.3 | 98.4  | 99.0  | 99.0  | 99.0   | 99.2   | 99.3   | 99.3    | 99.4    | 99.4    | 99.5     |
| ≥ 10            | 50.7 | 91.9 | 94.9 | 96.9 | 98.4 | 98.5  | 99.1  | 99.1  | 99.1   | 99.3   | 99.4   | 99.4    | 99.5    | 99.5    | 99.6     |
| ≥ 8             | 50.7 | 91.9 | 95.0 | 97.0 | 98.4 | 98.6  | 99.2  | 99.3  | 99.3   | 99.5   | 99.5   | 99.5    | 99.6    | 99.6    | 99.7     |
| ≥ 6             | 50.7 | 92.0 | 95.0 | 97.0 | 98.5 | 98.6  | 99.3  | 99.3  | 99.3   | 99.5   | 99.6   | 99.6    | 99.7    | 99.7    | 99.8     |
| ≥ 4             | 50.7 | 92.0 | 95.1 | 97.1 | 98.5 | 98.8  | 99.4  | 99.5  | 99.5   | 99.7   | 99.8   | 99.8    | 99.8    | 99.9    | 99.9     |
| ≥ 3             | 50.7 | 92.0 | 95.1 | 97.1 | 98.6 | 98.8  | 99.4  | 99.5  | 99.5   | 99.7   | 99.8   | 99.8    | 99.9    | 99.9    | 100.0    |
| ≥ 2             | 50.7 | 92.0 | 95.1 | 97.1 | 98.6 | 98.8  | 99.4  | 99.5  | 99.5   | 99.7   | 99.8   | 99.8    | 99.9    | 99.9    | 100.0    |
| ≥ 1             | 50.7 | 92.0 | 95.1 | 97.1 | 98.6 | 98.8  | 99.4  | 99.5  | 99.5   | 99.7   | 99.8   | 99.8    | 99.9    | 99.9    | 100.0    |
| ≥ 0             | 50.7 | 92.0 | 95.1 | 97.1 | 98.6 | 98.8  | 99.4  | 99.5  | 99.5   | 99.7   | 99.8   | 99.8    | 99.9    | 99.9    | 100.0    |

TOTAL NUMBER OF OBSERVATIONS 8807



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSLLP-C KGRBA/CHEJL-DC RCK 1-49 55-07

PAR

STATION

STATION NAME

CLASS

ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 24.4                     | 37.8 | 38.2 | 38.2 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3  | 38.3 | 38.3  | 38.3  | 38.3  |
| ≥ 20000         | 29.7                     | 45.1 | 45.5 | 45.5 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7  | 45.7 | 45.7  | 45.7  | 45.7  |
| ≥ 18000         | 29.4                     | 45.5 | 45.9 | 46.0 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.2 | 46.2 | 46.2  | 46.2 | 46.2  | 46.2  | 46.2  |
| ≥ 16000         | 30.7                     | 46.3 | 46.6 | 46.7 | 46.8 | 46.8 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9  | 46.9 | 46.9  | 46.9  | 46.9  |
| ≥ 14000         | 31.2                     | 48.0 | 48.4 | 48.4 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.7 | 48.7 | 48.7  | 48.7 | 48.7  | 48.7  | 48.7  |
| ≥ 12000         | 33.5                     | 51.3 | 51.7 | 51.8 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0  | 52.0 | 52.1  | 52.1  | 52.1  |
| ≥ 10000         | 34.9                     | 53.8 | 54.3 | 54.4 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7  |
| ≥ 9000          | 35.1                     | 54.1 | 54.6 | 54.7 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 55.0 | 55.0 | 55.0  | 55.0 | 55.0  | 55.0  | 55.0  |
| ≥ 8000          | 36.4                     | 56.4 | 57.0 | 57.1 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.5 | 57.5 | 57.5  | 57.5 | 57.5  | 57.5  | 57.5  |
| ≥ 7000          | 36.8                     | 57.0 | 57.6 | 57.8 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2  | 58.2 | 58.2  | 58.2  | 58.2  |
| ≥ 6000          | 37.5                     | 58.3 | 58.9 | 59.1 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5  | 59.5 | 59.5  | 59.5  | 59.5  |
| ≥ 5000          | 39.8                     | 61.3 | 62.0 | 62.2 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6  | 62.6 | 62.6  | 62.6  | 62.6  |
| ≥ 4500          | 41.4                     | 64.6 | 65.3 | 65.6 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9  | 65.9 | 65.9  | 65.9  | 65.9  |
| ≥ 4000          | 45.1                     | 71.6 | 72.5 | 73.0 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4  | 73.5 | 73.5  | 73.5  | 73.5  |
| ≥ 3500          | 46.4                     | 75.8 | 77.0 | 77.6 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1  | 78.2 | 78.2  | 78.2  | 78.2  |
| ≥ 3000          | 51.3                     | 84.6 | 86.2 | 86.9 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8  | 87.9 | 87.9  | 87.9  | 87.9  |
| ≥ 2500          | 52.2                     | 85.3 | 90.5 | 91.6 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8  | 92.8 | 92.8  | 92.8  | 92.8  |
| ≥ 2000          | 52.5                     | 89.8 | 92.3 | 94.0 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6  | 95.7 | 95.7  | 95.7  | 95.7  |
| ≥ 1800          | 52.5                     | 89.9 | 92.3 | 94.2 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9  | 95.9 | 95.9  | 96.0  | 96.0  |
| ≥ 1500          | 52.6                     | 90.4 | 93.1 | 95.0 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.8 | 96.9 | 96.9  | 96.9 | 96.9  | 96.9  | 96.9  |
| ≥ 1200          | 52.7                     | 90.5 | 93.2 | 95.2 | 96.7 | 96.8 | 97.1 | 97.1 | 97.1 | 97.4 | 97.4 | 97.4  | 97.5 | 97.5  | 97.5  | 97.5  |
| ≥ 1000          | 52.7                     | 90.7 | 93.4 | 95.5 | 97.1 | 97.1 | 97.6 | 97.6 | 97.6 | 97.9 | 97.9 | 97.9  | 98.0 | 98.0  | 98.0  | 98.0  |
| ≥ 900           | 52.7                     | 90.7 | 93.4 | 95.6 | 97.1 | 97.2 | 97.6 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0  | 98.1 | 98.1  | 98.1  | 98.1  |
| ≥ 800           | 52.7                     | 90.7 | 93.5 | 95.6 | 97.2 | 97.4 | 97.9 | 97.9 | 97.9 | 98.3 | 98.3 | 98.3  | 98.4 | 98.4  | 98.4  | 98.4  |
| ≥ 700           | 52.7                     | 90.8 | 93.6 | 95.8 | 97.4 | 97.5 | 98.1 | 98.1 | 98.1 | 98.5 | 98.5 | 98.5  | 98.6 | 98.6  | 98.6  | 98.6  |
| ≥ 600           | 52.7                     | 90.8 | 93.7 | 95.9 | 97.6 | 97.7 | 98.3 | 98.4 | 98.5 | 99.0 | 99.0 | 99.0  | 99.1 | 99.1  | 99.1  | 99.1  |
| ≥ 500           | 52.7                     | 90.9 | 93.7 | 96.1 | 97.8 | 98.0 | 98.7 | 98.8 | 98.8 | 99.4 | 99.4 | 99.4  | 99.5 | 99.5  | 99.6  | 99.6  |
| ≥ 400           | 52.7                     | 90.9 | 93.8 | 96.1 | 97.8 | 98.0 | 98.7 | 98.8 | 98.9 | 99.5 | 99.5 | 99.5  | 99.6 | 99.6  | 99.7  | 99.7  |
| ≥ 300           | 52.7                     | 90.9 | 93.8 | 96.1 | 97.8 | 98.0 | 98.7 | 98.9 | 98.9 | 99.5 | 99.6 | 99.6  | 99.7 | 99.7  | 99.8  | 99.9  |
| ≥ 200           | 52.7                     | 90.9 | 93.8 | 96.1 | 97.8 | 98.0 | 98.7 | 98.9 | 98.9 | 99.5 | 99.6 | 99.6  | 99.7 | 99.7  | 99.8  | 99.9  |
| ≥ 100           | 52.7                     | 90.9 | 93.8 | 96.1 | 97.8 | 98.0 | 98.7 | 98.9 | 98.9 | 99.5 | 99.6 | 99.6  | 99.7 | 99.7  | 99.8  | 99.9  |
| ≥ 0             | 52.7                     | 90.9 | 93.8 | 96.1 | 97.8 | 98.0 | 98.7 | 98.9 | 98.9 | 99.5 | 99.6 | 99.6  | 99.7 | 99.7  | 99.8  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 9671

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSLLP-0 KORTA/CHEJU-DD RQM K-39

25-07

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |        |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|--------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .001 |
| NO CEILING      | 23.1                       | 32.4 | 32.5 | 32.7 | 32.7 | 32.7  | 32.8 | 32.8  | 32.8 | 32.8  | 32.8 | 32.8  | 32.8 | 32.8  | 32.8  | 32.8   |
| ≥ 20000         | 30.1                       | 42.6 | 42.9 | 43.1 | 43.2 | 43.2  | 43.3 | 43.3  | 43.3 | 43.3  | 43.4 | 43.4  | 43.4 | 43.4  | 43.4  | 43.4   |
| IV ≥ 18000      | 30.3                       | 42.9 | 43.2 | 43.4 | 43.5 | 43.5  | 43.6 | 43.6  | 43.6 | 43.6  | 43.6 | 43.6  | 43.7 | 43.7  | 43.7  | 43.7   |
| IV ≥ 16000      | 30.9                       | 43.6 | 43.9 | 44.1 | 44.3 | 44.3  | 44.4 | 44.4  | 44.4 | 44.4  | 44.4 | 44.4  | 44.4 | 44.4  | 44.4  | 44.4   |
| IV ≥ 14000      | 32.8                       | 46.0 | 46.3 | 46.5 | 46.7 | 46.7  | 46.8 | 46.8  | 46.8 | 46.8  | 46.8 | 46.8  | 46.9 | 46.9  | 46.9  | 46.9   |
| IV ≥ 12000      | 35.5                       | 50.4 | 50.8 | 51.0 | 51.2 | 51.2  | 51.3 | 51.3  | 51.3 | 51.3  | 51.3 | 51.3  | 51.3 | 51.3  | 51.3  | 51.3   |
| IV ≥ 10000      | 37.7                       | 54.4 | 54.8 | 55.2 | 55.3 | 55.3  | 55.5 | 55.5  | 55.5 | 55.5  | 55.5 | 55.5  | 55.5 | 55.5  | 55.5  | 55.5   |
| IV ≥ 9000       | 37.7                       | 54.4 | 54.9 | 55.3 | 55.4 | 55.4  | 55.6 | 55.6  | 55.6 | 55.6  | 55.6 | 55.6  | 55.6 | 55.6  | 55.6  | 55.6   |
| IV ≥ 8000       | 39.3                       | 57.6 | 58.3 | 58.7 | 58.9 | 58.9  | 59.0 | 59.0  | 59.0 | 59.0  | 59.0 | 59.0  | 59.0 | 59.0  | 59.1  | 59.1   |
| IV ≥ 7000       | 39.7                       | 58.4 | 59.1 | 59.5 | 59.7 | 59.7  | 59.8 | 59.8  | 59.8 | 59.8  | 59.8 | 59.8  | 59.8 | 59.9  | 59.9  | 59.9   |
| IV ≥ 6000       | 40.3                       | 59.8 | 60.6 | 61.1 | 61.3 | 61.3  | 61.4 | 61.4  | 61.4 | 61.4  | 61.4 | 61.4  | 61.5 | 61.5  | 61.5  | 61.5   |
| IV ≥ 5000       | 41.1                       | 61.4 | 62.3 | 62.8 | 63.0 | 63.0  | 63.2 | 63.2  | 63.2 | 63.2  | 63.2 | 63.2  | 63.2 | 63.2  | 63.3  | 63.3   |
| IV ≥ 4500       | 41.6                       | 63.0 | 64.0 | 64.7 | 65.0 | 65.0  | 65.2 | 65.2  | 65.2 | 65.3  | 65.3 | 65.3  | 65.3 | 65.3  | 65.3  | 65.3   |
| IV ≥ 4000       | 43.4                       | 66.3 | 67.5 | 68.3 | 68.7 | 68.7  | 68.9 | 68.9  | 68.9 | 69.0  | 69.0 | 69.0  | 69.0 | 69.0  | 69.1  | 69.1   |
| IV ≥ 3500       | 44.3                       | 68.6 | 70.0 | 71.0 | 71.5 | 71.5  | 71.8 | 71.8  | 71.8 | 71.9  | 71.9 | 71.9  | 72.0 | 72.0  | 72.0  | 72.0   |
| IV ≥ 3000       | 45.8                       | 72.6 | 74.7 | 76.0 | 76.8 | 76.8  | 77.2 | 77.2  | 77.2 | 77.4  | 77.4 | 77.4  | 77.4 | 77.4  | 77.4  | 77.4   |
| IV ≥ 2500       | 46.6                       | 75.9 | 78.5 | 80.3 | 81.6 | 81.6  | 82.1 | 82.1  | 82.1 | 82.3  | 82.3 | 82.3  | 82.4 | 82.4  | 82.4  | 82.4   |
| IV ≥ 2000       | 46.8                       | 77.3 | 80.4 | 82.6 | 84.3 | 84.3  | 84.9 | 84.9  | 84.9 | 85.4  | 85.4 | 85.4  | 85.5 | 85.5  | 85.6  | 85.6   |
| IV ≥ 1800       | 46.8                       | 77.5 | 80.6 | 82.8 | 84.5 | 84.5  | 85.2 | 85.2  | 85.2 | 85.6  | 85.7 | 85.7  | 85.8 | 85.8  | 85.8  | 85.8   |
| IV ≥ 1500       | 47.2                       | 78.4 | 81.8 | 84.3 | 86.2 | 86.3  | 87.4 | 87.4  | 87.4 | 88.2  | 88.4 | 88.4  | 88.5 | 88.5  | 88.6  | 88.6   |
| IV ≥ 1200       | 47.1                       | 78.9 | 82.6 | 85.4 | 87.5 | 87.6  | 88.9 | 88.9  | 89.0 | 90.0  | 90.3 | 90.3  | 90.4 | 90.5  | 90.5  | 90.5   |
| IV ≥ 1000       | 47.2                       | 79.3 | 83.3 | 86.3 | 88.8 | 88.9  | 90.3 | 90.4  | 90.4 | 92.0  | 92.4 | 92.4  | 92.7 | 92.8  | 92.8  | 92.8   |
| IV ≥ 900        | 47.2                       | 79.4 | 83.4 | 86.5 | 89.0 | 89.1  | 90.5 | 90.7  | 90.8 | 92.3  | 92.8 | 92.9  | 93.3 | 93.3  | 93.4  | 93.4   |
| IV ≥ 800        | 47.2                       | 79.8 | 83.9 | 87.1 | 89.7 | 89.8  | 91.6 | 91.8  | 91.8 | 93.6  | 94.2 | 94.3  | 94.8 | 94.9  | 95.1  | 95.1   |
| IV ≥ 700        | 47.2                       | 79.8 | 84.0 | 87.2 | 90.0 | 90.1  | 92.0 | 92.3  | 92.3 | 94.3  | 95.0 | 95.0  | 95.8 | 96.0  | 96.1  | 96.1   |
| IV ≥ 600        | 47.2                       | 79.9 | 84.1 | 87.4 | 90.2 | 90.3  | 92.5 | 92.8  | 92.8 | 94.9  | 95.7 | 95.7  | 96.7 | 96.9  | 97.1  | 97.1   |
| IV ≥ 500        | 47.2                       | 79.9 | 84.1 | 87.5 | 90.3 | 90.5  | 92.8 | 93.2  | 93.2 | 95.4  | 96.3 | 96.3  | 97.6 | 97.7  | 98.0  | 98.0   |
| IV ≥ 400        | 47.2                       | 79.9 | 84.1 | 87.5 | 90.3 | 90.5  | 92.9 | 93.2  | 93.3 | 95.5  | 96.5 | 96.5  | 97.9 | 98.1  | 98.5  | 98.5   |
| IV ≥ 300        | 47.2                       | 79.9 | 84.1 | 87.5 | 90.4 | 90.5  | 92.9 | 93.2  | 93.3 | 95.5  | 96.5 | 96.6  | 98.0 | 98.3  | 98.8  | 99.1   |
| IV ≥ 200        | 47.2                       | 79.9 | 84.1 | 87.5 | 90.4 | 90.5  | 92.9 | 93.2  | 93.3 | 95.5  | 96.5 | 96.6  | 98.2 | 98.4  | 99.0  | 99.5   |
| IV ≥ 100        | 47.2                       | 79.9 | 84.1 | 87.5 | 90.4 | 90.5  | 92.9 | 93.2  | 93.3 | 95.5  | 96.5 | 96.6  | 98.2 | 98.5  | 99.1  | 99.7   |
| IV ≥ 0          | 47.2                       | 79.9 | 84.1 | 87.5 | 90.4 | 90.5  | 92.9 | 93.2  | 93.3 | 95.5  | 96.5 | 96.6  | 98.2 | 98.5  | 99.1  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS 9359

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

43263

MCSULP-C KOREA/CHUJU-BO ROK K-39

55-67

MAY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |        |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 1/8 |
| NO CEILING      | 23.6                     | 32.4 | 32.6 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.8 | 32.8  | 32.8 | 32.8   | 32.9 | 32.9  |
| ≥ 20000         | 32.3                     | 45.7 | 46.0 | 46.1 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.3 | 46.3  | 46.3 | 46.3   | 46.3 | 46.3  |
| IV 18000        | 32.6                     | 46.2 | 46.5 | 46.6 | 46.6 | 46.6 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7  | 46.8 | 46.8   | 46.8 | 46.8  |
| IV 16000        | 33.2                     | 46.8 | 47.1 | 47.2 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3  | 47.3 | 47.4   | 47.4 | 47.4  |
| IV 14000        | 35.7                     | 49.9 | 50.2 | 50.3 | 50.3 | 50.3 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4  | 50.5 | 50.5   | 50.5 | 50.5  |
| IV 12000        | 39.4                     | 55.1 | 55.4 | 55.5 | 55.5 | 55.5 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7  | 55.7 | 55.7   | 55.8 | 55.8  |
| IV 10000        | 43.0                     | 60.3 | 60.6 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 61.0 | 61.0 | 61.0  | 61.0 | 61.0   | 61.1 | 61.1  |
| IV 9000         | 43.2                     | 60.4 | 60.8 | 61.0 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2  | 61.2 | 61.2   | 61.2 | 61.2  |
| IV 8000         | 45.1                     | 63.8 | 64.3 | 64.4 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6  | 64.7 | 64.7   | 64.7 | 64.7  |
| IV 7000         | 45.5                     | 64.5 | 65.1 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.5 | 65.5  | 65.5 | 65.5   | 65.6 | 65.6  |
| IV 6000         | 45.9                     | 65.4 | 65.9 | 66.1 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4  | 66.4 | 66.4   | 66.5 | 66.5  |
| IV 5000         | 46.4                     | 66.7 | 67.3 | 67.5 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7  | 67.8 | 67.8   | 67.9 | 67.9  |
| IV 4500         | 47.1                     | 67.9 | 68.7 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.1 | 69.1 | 69.1  | 69.2 | 69.2   | 69.2 | 69.2  |
| IV 4000         | 48.9                     | 71.1 | 72.0 | 72.4 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7  | 72.7 | 72.7   | 72.8 | 72.8  |
| IV 3500         | 49.6                     | 73.3 | 74.4 | 74.9 | 75.0 | 75.0 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2  | 75.3 | 75.3   | 75.3 | 75.3  |
| IV 3000         | 51.5                     | 77.8 | 79.6 | 80.3 | 80.7 | 80.7 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0  | 81.1 | 81.1   | 81.2 | 81.2  |
| IV 2500         | 52.3                     | 80.3 | 82.7 | 83.7 | 84.5 | 84.6 | 84.9 | 85.0 | 85.0 | 85.1 | 85.2 | 85.2  | 85.3 | 85.3   | 85.4 | 85.4  |
| IV 2000         | 52.5                     | 81.5 | 84.2 | 85.5 | 86.8 | 86.9 | 87.4 | 87.5 | 87.5 | 87.8 | 88.0 | 88.0  | 88.1 | 88.1   | 88.2 | 88.3  |
| IV 1800         | 52.7                     | 81.7 | 84.4 | 85.7 | 87.0 | 87.1 | 87.7 | 87.8 | 87.8 | 88.1 | 88.3 | 88.3  | 88.5 | 88.5   | 88.6 | 88.6  |
| IV 1500         | 52.7                     | 82.6 | 85.7 | 87.3 | 89.0 | 89.1 | 89.9 | 90.0 | 90.1 | 90.6 | 90.8 | 90.8  | 91.0 | 91.0   | 91.1 | 91.1  |
| IV 1200         | 52.6                     | 83.0 | 86.2 | 87.9 | 89.7 | 89.8 | 90.7 | 90.8 | 90.8 | 91.4 | 91.6 | 91.6  | 91.8 | 91.8   | 91.9 | 91.9  |
| IV 1000         | 52.9                     | 83.7 | 87.0 | 88.8 | 91.0 | 91.0 | 92.2 | 92.3 | 92.3 | 93.1 | 93.3 | 93.3  | 93.6 | 93.6   | 93.7 | 93.8  |
| IV 900          | 52.9                     | 83.7 | 87.2 | 89.1 | 91.3 | 91.4 | 92.5 | 92.7 | 92.7 | 93.5 | 93.8 | 93.8  | 94.1 | 94.1   | 94.2 | 94.3  |
| IV 800          | 52.9                     | 83.9 | 87.3 | 89.3 | 91.7 | 91.8 | 93.1 | 93.3 | 93.3 | 94.3 | 94.6 | 94.6  | 95.0 | 95.0   | 95.3 | 95.3  |
| IV 700          | 52.9                     | 83.9 | 87.5 | 89.5 | 92.1 | 92.2 | 93.6 | 93.8 | 93.8 | 94.9 | 95.2 | 95.2  | 95.7 | 95.7   | 96.0 | 96.1  |
| IV 600          | 52.9                     | 84.0 | 87.5 | 89.6 | 92.3 | 92.5 | 93.9 | 94.1 | 94.2 | 95.3 | 95.6 | 95.6  | 96.2 | 96.2   | 96.6 | 96.7  |
| IV 500          | 52.9                     | 84.0 | 87.5 | 89.7 | 92.5 | 92.6 | 94.1 | 94.3 | 94.3 | 95.6 | 96.0 | 96.0  | 96.7 | 96.8   | 97.4 | 97.5  |
| IV 400          | 52.9                     | 84.0 | 87.5 | 89.7 | 92.5 | 92.6 | 94.2 | 94.4 | 94.4 | 95.6 | 96.2 | 96.2  | 97.0 | 97.2   | 97.9 | 98.1  |
| IV 300          | 52.9                     | 84.0 | 87.5 | 89.7 | 92.5 | 92.6 | 94.2 | 94.4 | 94.4 | 95.7 | 96.2 | 96.2  | 97.2 | 97.3   | 98.1 | 98.6  |
| IV 200          | 52.9                     | 84.0 | 87.5 | 89.7 | 92.5 | 92.6 | 94.2 | 94.4 | 94.4 | 95.7 | 96.2 | 96.3  | 97.2 | 97.3   | 98.3 | 99.0  |
| IV 100          | 52.9                     | 84.0 | 87.5 | 89.7 | 92.5 | 92.6 | 94.2 | 94.4 | 94.4 | 95.7 | 96.2 | 96.3  | 97.2 | 97.3   | 98.3 | 99.3  |
| IV 0            | 52.9                     | 84.0 | 87.5 | 89.7 | 92.5 | 92.6 | 94.2 | 94.4 | 94.4 | 95.7 | 96.2 | 96.3  | 97.2 | 97.3   | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 9671

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

43263  
STATION

MCSULP-D KORFA/CHEJU-DG RCK K-39  
STATION NAME

55-67  
YEAR

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
DATA

| CEILING<br>FEET       | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |      |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|------|
|                       | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0  |
| NO CEILING<br>≥ 20000 | 16.3                     | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.3 | 24.3  | 24.3 | 24.3  | 24.3 | 24.3 |
| IV 18000              | 28.9                     | 42.6 | 42.8 | 42.9 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.1 | 43.1 | 43.1  | 43.1 | 43.1  | 43.1 | 43.1 |
| IV 16000              | 29.3                     | 43.2 | 43.4 | 43.5 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.7 | 43.7 | 43.7  | 43.7 | 43.7  | 43.7 | 43.7 |
| IV 14000              | 31.2                     | 46.2 | 46.5 | 46.6 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.8 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8 | 46.8 |
| IV 12000              | 34.0                     | 51.3 | 51.7 | 51.8 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0  | 52.0 | 52.0  | 52.1 | 52.1 |
| IV 10000              | 36.4                     | 55.7 | 56.2 | 56.3 | 56.4 | 56.4 | 56.5 | 56.5 | 56.5 | 56.5 | 56.6 | 56.6  | 56.6 | 56.6  | 56.6 | 56.6 |
| IV 9000               | 36.6                     | 56.0 | 56.5 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.9 | 56.9 | 56.9  | 56.9 | 56.9  | 56.9 | 56.9 |
| IV 8000               | 37.7                     | 58.3 | 58.9 | 59.1 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.4 | 59.4 | 59.4  | 59.4 | 59.4  | 59.4 | 59.4 |
| IV 7000               | 38.0                     | 58.9 | 59.5 | 59.7 | 59.8 | 59.8 | 59.9 | 59.9 | 59.9 | 60.0 | 60.0 | 60.0  | 60.0 | 60.0  | 60.0 | 60.0 |
| IV 6000               | 38.2                     | 59.5 | 60.3 | 60.5 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8  | 60.9 | 60.9  | 61.0 | 61.0 |
| IV 5000               | 38.4                     | 60.1 | 60.9 | 61.2 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6  | 61.9 | 61.9  | 62.1 | 62.1 |
| IV 4500               | 38.7                     | 60.9 | 61.8 | 62.0 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 | 62.5 | 62.6 | 62.6  | 62.9 | 62.9  | 63.1 | 63.1 |
| IV 4000               | 39.9                     | 63.5 | 64.5 | 64.8 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.4 | 65.5 | 65.5  | 65.9 | 65.9  | 66.2 | 66.2 |
| IV 3500               | 40.5                     | 65.3 | 66.5 | 66.9 | 67.2 | 67.2 | 67.3 | 67.4 | 67.4 | 67.6 | 67.7 | 67.7  | 68.2 | 68.2  | 68.5 | 68.5 |
| IV 3000               | 42.2                     | 69.6 | 71.2 | 71.8 | 72.3 | 72.4 | 72.5 | 72.6 | 72.6 | 72.8 | 73.0 | 73.0  | 73.6 | 73.6  | 74.0 | 74.1 |
| IV 2500               | 43.1                     | 73.0 | 75.1 | 76.1 | 77.0 | 77.0 | 77.4 | 77.4 | 77.4 | 77.7 | 77.9 | 77.9  | 78.5 | 78.5  | 78.9 | 79.0 |
| IV 2000               | 43.6                     | 74.6 | 77.1 | 78.8 | 80.1 | 80.2 | 80.8 | 80.8 | 80.8 | 81.2 | 81.5 | 81.5  | 82.3 | 82.3  | 82.6 | 82.6 |
| IV 1800               | 43.6                     | 74.6 | 77.3 | 79.0 | 80.4 | 80.5 | 81.1 | 81.1 | 81.1 | 81.6 | 81.9 | 81.9  | 82.6 | 82.6  | 83.0 | 83.1 |
| IV 1500               | 43.7                     | 75.5 | 78.4 | 80.3 | 82.1 | 82.2 | 82.9 | 83.0 | 83.0 | 83.7 | 84.1 | 84.1  | 85.1 | 85.1  | 85.5 | 85.7 |
| IV 1200               | 43.8                     | 76.2 | 79.2 | 81.2 | 83.3 | 83.5 | 84.4 | 84.5 | 84.5 | 85.3 | 85.7 | 85.7  | 86.7 | 86.7  | 87.1 | 87.5 |
| IV 1000               | 44.0                     | 76.8 | 79.9 | 82.1 | 84.4 | 84.6 | 85.7 | 85.8 | 85.8 | 86.9 | 87.4 | 87.4  | 88.5 | 88.5  | 89.0 | 89.4 |
| IV 900                | 44.0                     | 76.8 | 80.0 | 82.2 | 84.5 | 84.7 | 85.9 | 86.0 | 86.0 | 87.3 | 87.8 | 87.8  | 88.9 | 88.9  | 89.4 | 89.8 |
| IV 800                | 44.0                     | 77.0 | 80.3 | 82.5 | 85.2 | 85.4 | 86.9 | 87.0 | 87.0 | 88.5 | 89.1 | 89.2  | 90.4 | 90.5  | 90.9 | 91.4 |
| IV 700                | 44.1                     | 77.1 | 80.4 | 82.7 | 85.6 | 85.8 | 87.5 | 87.6 | 87.7 | 89.3 | 89.9 | 90.0  | 91.4 | 91.4  | 91.9 | 92.4 |
| IV 600                | 44.1                     | 77.2 | 80.5 | 82.9 | 86.1 | 86.3 | 88.3 | 88.5 | 88.5 | 90.5 | 91.2 | 91.3  | 92.9 | 92.9  | 93.4 | 94.0 |
| IV 500                | 44.1                     | 77.2 | 80.5 | 82.9 | 86.4 | 86.6 | 88.8 | 89.1 | 89.1 | 91.3 | 92.1 | 92.2  | 94.5 | 94.5  | 95.5 | 96.5 |
| IV 400                | 44.1                     | 77.2 | 80.5 | 82.9 | 86.4 | 86.6 | 88.8 | 89.1 | 89.1 | 91.3 | 92.2 | 92.3  | 94.9 | 94.9  | 96.5 | 98.4 |
| IV 300                | 44.1                     | 77.2 | 80.5 | 82.9 | 86.4 | 86.6 | 88.8 | 89.1 | 89.1 | 91.3 | 92.2 | 92.3  | 94.9 | 94.9  | 96.5 | 98.4 |
| IV 200                | 44.1                     | 77.2 | 80.5 | 82.9 | 86.4 | 86.6 | 88.8 | 89.1 | 89.1 | 91.3 | 92.2 | 92.3  | 94.9 | 94.9  | 96.5 | 98.4 |
| IV 100                | 44.1                     | 77.2 | 80.5 | 82.9 | 86.4 | 86.6 | 88.8 | 89.1 | 89.1 | 91.3 | 92.2 | 92.3  | 94.9 | 94.9  | 96.5 | 98.4 |
| IV 0                  | 44.1                     | 77.2 | 80.5 | 82.9 | 86.4 | 86.6 | 88.8 | 89.1 | 89.1 | 91.3 | 92.2 | 92.3  | 94.9 | 94.9  | 96.5 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS 9360

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

41263  
STATION

MOSLLP-C KORFA/CHEJU-DO ROK A-39  
STATION NAME

55-65.67  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
DATA

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 0  |
| NO CEILING      | 16.5                     | 23.1 | 23.2 | 23.2 | 23.3 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4  | 23.4 | 23.4  | 23.4  | 23.4 |
| IV 20000        | 21.2                     | 30.4 | 30.7 | 31.0 | 31.3 | 31.3 | 31.4 | 31.4 | 31.4 | 31.5 | 31.5 | 31.5  | 31.5 | 31.5  | 31.5  | 31.5 |
| IV 18000        | 21.4                     | 30.6 | 31.0 | 31.3 | 31.5 | 31.6 | 31.6 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7  | 31.7 | 31.7  | 31.7  | 31.7 |
| IV 16000        | 21.5                     | 30.8 | 31.1 | 31.4 | 31.7 | 31.7 | 31.8 | 31.8 | 31.8 | 31.9 | 31.9 | 31.9  | 31.9 | 31.9  | 31.9  | 31.9 |
| IV 14000        | 22.0                     | 31.7 | 32.1 | 32.4 | 32.6 | 32.7 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8  | 32.8 | 32.8  | 32.8  | 32.8 |
| IV 12000        | 23.3                     | 34.0 | 34.5 | 34.8 | 35.1 | 35.2 | 35.2 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3  | 35.3 | 35.3  | 35.3  | 35.3 |
| IV 10000        | 24.1                     | 36.0 | 36.5 | 36.9 | 37.2 | 37.2 | 37.3 | 37.3 | 37.4 | 37.4 | 37.4 | 37.4  | 37.5 | 37.5  | 37.5  | 37.5 |
| IV 9000         | 24.1                     | 36.0 | 36.6 | 36.9 | 37.2 | 37.3 | 37.3 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4  | 37.5 | 37.5  | 37.5  | 37.5 |
| IV 8000         | 24.7                     | 37.4 | 38.0 | 38.4 | 38.8 | 38.8 | 38.9 | 38.9 | 38.9 | 39.0 | 39.0 | 39.0  | 39.1 | 39.1  | 39.1  | 39.1 |
| IV 7000         | 24.9                     | 37.7 | 38.3 | 38.8 | 39.1 | 39.2 | 39.3 | 39.3 | 39.3 | 39.4 | 39.4 | 39.4  | 39.4 | 39.4  | 39.4  | 39.4 |
| IV 6000         | 25.2                     | 38.4 | 39.0 | 39.6 | 40.0 | 40.0 | 40.1 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2  | 40.3 | 40.3  | 40.3  | 40.3 |
| IV 5000         | 25.5                     | 39.3 | 39.9 | 40.5 | 41.0 | 41.0 | 41.1 | 41.1 | 41.1 | 41.2 | 41.2 | 41.2  | 41.3 | 41.3  | 41.3  | 41.3 |
| IV 4500         | 25.8                     | 39.9 | 40.6 | 41.2 | 41.7 | 41.8 | 41.9 | 41.9 | 41.9 | 41.9 | 42.0 | 42.0  | 42.0 | 42.0  | 42.0  | 42.0 |
| IV 4000         | 26.7                     | 42.5 | 43.3 | 43.9 | 44.4 | 44.5 | 44.6 | 44.6 | 44.6 | 44.7 | 44.8 | 44.8  | 44.9 | 44.9  | 44.9  | 44.9 |
| IV 3500         | 27.7                     | 44.5 | 45.4 | 46.2 | 46.7 | 46.8 | 46.9 | 47.0 | 47.0 | 47.1 | 47.2 | 47.2  | 47.3 | 47.3  | 47.3  | 47.3 |
| IV 3000         | 29.9                     | 49.5 | 50.6 | 51.7 | 52.4 | 52.4 | 52.6 | 52.6 | 52.6 | 53.0 | 53.2 | 53.2  | 53.4 | 53.4  | 53.5  | 53.5 |
| IV 2500         | 31.6                     | 55.7 | 57.7 | 59.0 | 59.9 | 60.0 | 60.4 | 60.5 | 60.5 | 61.0 | 61.3 | 61.3  | 61.6 | 61.6  | 61.7  | 61.7 |
| IV 2000         | 32.1                     | 58.7 | 61.5 | 63.7 | 65.2 | 65.3 | 65.9 | 65.9 | 65.9 | 66.7 | 67.2 | 67.2  | 67.7 | 67.7  | 68.0  | 68.0 |
| IV 1800         | 32.2                     | 59.0 | 61.8 | 64.1 | 65.7 | 65.8 | 66.4 | 66.5 | 66.5 | 67.3 | 67.8 | 67.8  | 68.3 | 68.3  | 68.5  | 68.6 |
| IV 1500         | 32.8                     | 60.9 | 64.1 | 66.8 | 69.0 | 69.1 | 69.9 | 70.0 | 70.0 | 71.0 | 71.5 | 71.5  | 72.2 | 72.2  | 72.5  | 72.6 |
| IV 1200         | 33.0                     | 63.0 | 66.7 | 69.7 | 72.2 | 72.4 | 73.5 | 73.6 | 73.6 | 74.8 | 75.4 | 75.4  | 76.2 | 76.2  | 76.5  | 76.6 |
| IV 1000         | 33.2                     | 64.9 | 69.0 | 72.6 | 75.5 | 75.7 | 77.2 | 77.5 | 77.5 | 79.0 | 79.7 | 79.7  | 80.6 | 80.6  | 81.1  | 81.3 |
| IV 900          | 33.3                     | 65.6 | 69.9 | 73.7 | 76.8 | 77.0 | 78.6 | 78.9 | 78.9 | 80.5 | 81.1 | 81.1  | 82.1 | 82.1  | 82.6  | 82.8 |
| IV 800          | 33.4                     | 66.6 | 71.5 | 75.8 | 79.5 | 79.7 | 81.6 | 82.0 | 82.0 | 83.7 | 84.6 | 84.6  | 85.7 | 85.7  | 86.3  | 86.6 |
| IV 700          | 33.5                     | 67.3 | 72.6 | 77.1 | 81.2 | 81.5 | 83.5 | 83.9 | 83.9 | 85.8 | 86.7 | 86.7  | 87.9 | 87.9  | 88.6  | 88.9 |
| IV 600          | 33.6                     | 67.7 | 73.4 | 78.2 | 82.8 | 83.0 | 85.4 | 85.8 | 85.9 | 88.2 | 89.2 | 89.2  | 90.6 | 90.6  | 91.4  | 91.7 |
| IV 500          | 33.6                     | 67.9 | 73.9 | 79.1 | 84.2 | 84.5 | 87.1 | 87.6 | 87.7 | 90.3 | 91.4 | 91.4  | 93.2 | 93.2  | 94.0  | 94.4 |
| IV 400          | 33.6                     | 67.9 | 73.9 | 79.2 | 84.3 | 84.6 | 87.4 | 87.9 | 88.0 | 90.9 | 92.1 | 92.1  | 94.2 | 94.2  | 95.1  | 95.5 |
| IV 300          | 33.6                     | 67.9 | 73.9 | 79.2 | 84.5 | 84.7 | 87.7 | 88.2 | 88.3 | 91.5 | 92.9 | 92.9  | 95.3 | 95.3  | 96.8  | 97.2 |
| IV 200          | 33.6                     | 67.9 | 73.9 | 79.2 | 84.5 | 84.7 | 87.7 | 88.2 | 88.3 | 91.5 | 92.9 | 92.9  | 95.3 | 95.3  | 96.8  | 97.2 |
| IV 100          | 33.6                     | 67.9 | 73.9 | 79.2 | 84.5 | 84.7 | 87.7 | 88.2 | 88.3 | 91.5 | 92.9 | 92.9  | 95.3 | 95.3  | 96.8  | 97.2 |
| IV 0            | 33.6                     | 67.9 | 73.9 | 79.2 | 84.5 | 84.7 | 87.7 | 88.2 | 88.3 | 91.5 | 92.9 | 92.9  | 95.3 | 95.3  | 96.8  | 97.2 |

TOTAL NUMBER OF OBSERVATIONS 8928

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MGSLLP-C KOREA/CHEJU-DO ROK K-39 54-66

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |         |      |         |         |      |       |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2 1/2 | ≥ 2  | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1  | ≥ 3/4 | ≥ 3/8 | ≥ 1/2 | ≥ 5/16 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 33.4                     | 45.6 | 45.8 | 45.9 | 45.9 | 45.9    | 45.9 | 45.9    | 45.9    | 45.9 | 45.9  | 45.9  | 45.9  | 45.9   | 45.9  | 45.9  |
| ≥ 20000         | 41.7                     | 57.9 | 58.1 | 58.2 | 58.2 | 58.2    | 58.2 | 58.2    | 58.2    | 58.2 | 58.2  | 58.2  | 58.2  | 58.2   | 58.2  | 58.2  |
| IV 18000        | 41.9                     | 58.2 | 58.4 | 58.5 | 58.5 | 58.5    | 58.5 | 58.5    | 58.5    | 58.5 | 58.5  | 58.5  | 58.5  | 58.5   | 58.5  | 58.5  |
| IV 16000        | 42.1                     | 58.5 | 58.7 | 58.8 | 58.8 | 58.8    | 58.8 | 58.8    | 58.8    | 58.8 | 58.8  | 58.8  | 58.8  | 58.8   | 58.8  | 58.8  |
| IV 14000        | 43.0                     | 59.7 | 60.0 | 60.1 | 60.1 | 60.1    | 60.1 | 60.1    | 60.1    | 60.1 | 60.1  | 60.1  | 60.1  | 60.1   | 60.1  | 60.1  |
| IV 12000        | 45.6                     | 63.0 | 63.3 | 63.4 | 63.4 | 63.4    | 63.4 | 63.4    | 63.4    | 63.4 | 63.4  | 63.4  | 63.4  | 63.4   | 63.4  | 63.4  |
| IV 10000        | 47.5                     | 65.8 | 66.1 | 66.2 | 66.2 | 66.2    | 66.2 | 66.2    | 66.2    | 66.2 | 66.2  | 66.2  | 66.2  | 66.2   | 66.2  | 66.2  |
| IV 9000         | 47.5                     | 65.8 | 66.1 | 66.2 | 66.2 | 66.2    | 66.2 | 66.2    | 66.2    | 66.2 | 66.2  | 66.2  | 66.2  | 66.2   | 66.2  | 66.2  |
| IV 8000         | 48.8                     | 67.9 | 68.3 | 68.4 | 68.4 | 68.4    | 68.4 | 68.4    | 68.4    | 68.4 | 68.4  | 68.4  | 68.4  | 68.4   | 68.4  | 68.4  |
| IV 7000         | 49.1                     | 68.5 | 68.9 | 69.0 | 69.1 | 69.1    | 69.1 | 69.1    | 69.1    | 69.1 | 69.1  | 69.1  | 69.1  | 69.1   | 69.1  | 69.1  |
| IV 6000         | 49.5                     | 69.1 | 69.5 | 69.7 | 69.7 | 69.7    | 69.7 | 69.7    | 69.7    | 69.7 | 69.7  | 69.7  | 69.7  | 69.7   | 69.7  | 69.7  |
| IV 5000         | 50.1                     | 70.0 | 70.5 | 70.6 | 70.7 | 70.7    | 70.7 | 70.7    | 70.7    | 70.7 | 70.7  | 70.8  | 70.8  | 70.8   | 70.8  | 70.8  |
| IV 4500         | 51.2                     | 71.5 | 72.1 | 72.3 | 72.3 | 72.3    | 72.4 | 72.4    | 72.4    | 72.4 | 72.4  | 72.4  | 72.4  | 72.4   | 72.4  | 72.4  |
| IV 4000         | 53.3                     | 74.7 | 75.4 | 75.6 | 75.7 | 75.7    | 75.7 | 75.7    | 75.7    | 75.7 | 75.8  | 75.8  | 75.8  | 75.8   | 75.8  | 75.8  |
| IV 3500         | 54.6                     | 77.3 | 78.0 | 78.3 | 78.4 | 78.4    | 78.4 | 78.4    | 78.4    | 78.4 | 78.4  | 78.5  | 78.5  | 78.5   | 78.5  | 78.5  |
| IV 3000         | 57.4                     | 82.9 | 83.9 | 84.1 | 84.3 | 84.3    | 84.4 | 84.4    | 84.4    | 84.4 | 84.5  | 84.5  | 84.5  | 84.5   | 84.5  | 84.5  |
| IV 2500         | 58.9                     | 87.3 | 88.5 | 88.9 | 89.1 | 89.1    | 89.1 | 89.1    | 89.1    | 89.2 | 89.3  | 89.3  | 89.3  | 89.3   | 89.3  | 89.3  |
| IV 2000         | 59.2                     | 89.2 | 90.8 | 91.5 | 91.8 | 91.8    | 91.9 | 91.9    | 91.9    | 92.1 | 92.1  | 92.1  | 92.1  | 92.1   | 92.1  | 92.1  |
| IV 1800         | 59.2                     | 89.4 | 91.1 | 91.8 | 92.2 | 92.2    | 92.3 | 92.3    | 92.3    | 92.5 | 92.5  | 92.5  | 92.5  | 92.5   | 92.5  | 92.5  |
| IV 1500         | 59.5                     | 90.4 | 92.4 | 93.3 | 93.8 | 93.8    | 94.0 | 94.0    | 94.0    | 94.2 | 94.2  | 94.2  | 94.2  | 94.2   | 94.2  | 94.2  |
| IV 1200         | 59.7                     | 91.7 | 93.9 | 95.0 | 95.7 | 95.7    | 95.9 | 96.0    | 96.0    | 96.2 | 96.2  | 96.2  | 96.2  | 96.2   | 96.2  | 96.2  |
| IV 1000         | 60.2                     | 92.6 | 95.0 | 96.1 | 97.0 | 97.1    | 97.4 | 97.4    | 97.4    | 97.7 | 97.7  | 97.7  | 97.7  | 97.7   | 97.7  | 97.7  |
| IV 900          | 60.2                     | 92.7 | 95.1 | 96.3 | 97.2 | 97.2    | 97.6 | 97.6    | 97.6    | 97.9 | 97.9  | 97.9  | 97.9  | 98.0   | 98.0  | 98.0  |
| IV 800          | 60.2                     | 92.8 | 95.4 | 96.6 | 97.6 | 97.6    | 98.0 | 98.1    | 98.1    | 98.4 | 98.4  | 98.4  | 98.4  | 98.5   | 98.5  | 98.5  |
| IV 700          | 60.2                     | 92.9 | 95.5 | 96.7 | 97.7 | 97.7    | 98.2 | 98.3    | 98.3    | 98.7 | 98.7  | 98.7  | 98.7  | 98.8   | 98.8  | 98.8  |
| IV 600          | 60.2                     | 93.0 | 95.6 | 96.8 | 97.9 | 97.9    | 98.4 | 98.5    | 98.5    | 99.0 | 99.0  | 99.0  | 99.0  | 99.1   | 99.1  | 99.1  |
| IV 500          | 60.2                     | 93.0 | 95.6 | 96.9 | 97.9 | 98.0    | 98.5 | 98.6    | 98.6    | 99.1 | 99.1  | 99.1  | 99.3  | 99.3   | 99.3  | 99.3  |
| IV 400          | 60.2                     | 93.0 | 95.6 | 96.9 | 97.9 | 98.0    | 98.5 | 98.6    | 98.6    | 99.2 | 99.2  | 99.2  | 99.4  | 99.4   | 99.4  | 99.5  |
| IV 300          | 60.2                     | 93.0 | 95.6 | 96.9 | 97.9 | 98.0    | 98.5 | 98.6    | 98.6    | 99.2 | 99.3  | 99.3  | 99.5  | 99.5   | 99.6  | 99.6  |
| IV 200          | 60.2                     | 93.0 | 95.6 | 96.9 | 97.9 | 98.0    | 98.5 | 98.6    | 98.6    | 99.2 | 99.3  | 99.3  | 99.5  | 99.5   | 99.6  | 99.7  |
| IV 100          | 60.2                     | 93.0 | 95.6 | 96.9 | 97.9 | 98.0    | 98.5 | 98.6    | 98.6    | 99.2 | 99.3  | 99.3  | 99.5  | 99.6   | 99.6  | 99.9  |
| IV 0            | 60.2                     | 93.0 | 95.6 | 96.9 | 97.9 | 98.0    | 98.5 | 98.6    | 98.6    | 99.2 | 99.3  | 99.3  | 99.5  | 99.6   | 99.7  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 9670

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MCULP-C KOREA/CHEJU-DO ROK 7-39  
STATION NAME

54-66  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
YEAR

| CEILING<br>FEET. | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                  | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING       | 30.8                       | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5  | 43.5 | 43.5  | 43.5  | 43.5  |
| ≥ 20000          | 36.2                       | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7  | 51.7 | 51.7  | 51.7  | 51.7  |
| IVM 18000        | 36.5                       | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1  | 52.1 | 52.1  | 52.1  | 52.1  |
| IVM 16000        | 36.9                       | 52.6 | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7  | 52.7 | 52.7  | 52.7  | 52.7  |
| IVM 14000        | 38.1                       | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3  | 54.3 | 54.3  | 54.3  | 54.3  |
| IVM 12000        | 42.0                       | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2  | 60.2 | 60.2  | 60.2  | 60.2  |
| IVM 10000        | 45.7                       | 66.1 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4  | 66.4 | 66.4  | 66.4  | 66.4  |
| IVM 9300         | 45.8                       | 66.2 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4  | 66.4 | 66.4  | 66.4  | 66.4  |
| IVM 8000         | 48.5                       | 70.2 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5  | 70.5 | 70.5  | 70.5  | 70.5  |
| IVM 7000         | 48.8                       | 70.6 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9 | 70.9  | 70.9  | 70.9  |
| IVM 6000         | 49.6                       | 72.0 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4  | 72.4 | 72.4  | 72.4  | 72.4  |
| IVM 5000         | 50.8                       | 74.1 | 74.4 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6  | 74.6 | 74.6  | 74.6  | 74.6  |
| IVM 4500         | 51.9                       | 76.7 | 76.6 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8  | 76.8 | 76.8  | 76.8  | 76.8  |
| IVM 4000         | 55.1                       | 81.5 | 82.1 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4  | 82.4 | 82.4  | 82.4  | 82.4  |
| IVM 3500         | 56.5                       | 84.6 | 85.4 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8  | 85.8 | 85.8  | 85.8  | 85.8  |
| IVM 3000         | 58.6                       | 88.7 | 89.9 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5  | 90.5 | 90.5  | 90.5  | 90.5  |
| IVM 2500         | 59.6                       | 91.7 | 93.3 | 93.8 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4  | 94.4 | 94.4  | 94.5  | 94.5  |
| IVM 2000         | 59.9                       | 93.0 | 94.9 | 95.6 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6  | 96.6 | 96.6  | 96.6  | 96.6  |
| IVM 1800         | 59.9                       | 93.1 | 95.0 | 95.8 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8  | 96.8 | 96.8  | 96.8  | 96.8  |
| IVM 1500         | 60.0                       | 93.8 | 95.8 | 96.8 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.2 | 98.3 | 98.3  | 98.4 | 98.4  | 98.4  | 98.4  |
| IVM 1200         | 60.0                       | 94.0 | 96.0 | 97.1 | 98.2 | 98.2 | 98.5 | 98.5 | 98.5 | 98.7 | 98.9 | 98.9  | 98.9 | 98.9  | 98.9  | 98.9  |
| IVM 1000         | 60.1                       | 94.2 | 96.3 | 97.5 | 98.5 | 98.6 | 98.9 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4  | 99.5 | 99.5  | 99.5  | 99.5  |
| IVM 900          | 60.1                       | 94.2 | 96.3 | 97.5 | 98.5 | 98.6 | 98.9 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4  | 99.5 | 99.5  | 99.5  | 99.5  |
| IVM 800          | 60.1                       | 94.3 | 96.3 | 97.5 | 98.6 | 98.6 | 99.0 | 99.0 | 99.0 | 99.4 | 99.6 | 99.6  | 99.7 | 99.7  | 99.8  | 99.8  |
| IVM 700          | 60.1                       | 94.3 | 96.3 | 97.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.4 | 99.7 | 99.7  | 99.8 | 99.8  | 99.9  | 99.9  |
| IVM 600          | 60.1                       | 94.3 | 96.3 | 97.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.4 | 99.7 | 99.7  | 99.8 | 99.8  | 99.9  | 99.9  |
| IVM 500          | 60.1                       | 94.3 | 96.3 | 97.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.4 | 99.7 | 99.7  | 99.8 | 99.8  | 99.9  | 99.9  |
| IVM 400          | 60.1                       | 94.3 | 96.3 | 97.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7  | 99.9 | 99.9  | 99.9  | 100.0 |
| IVM 300          | 60.1                       | 94.3 | 96.3 | 97.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7  | 99.9 | 99.9  | 99.9  | 100.0 |
| IVM 200          | 60.1                       | 94.3 | 96.3 | 97.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7  | 99.9 | 99.9  | 100.0 | 100.0 |
| IVM 100          | 60.1                       | 94.3 | 96.3 | 97.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7  | 99.9 | 99.9  | 100.0 | 100.0 |
| IVM 0            | 60.1                       | 94.3 | 96.3 | 97.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.5 | 99.7 | 99.7  | 99.9 | 99.9  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 9360

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MGSLLP-C KOREA/CHEJU-DO ROK K-39 54-66

CGI

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |         |      |         |         |      |       |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2 1/2 | ≥ 2  | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1  | ≥ 3/4 | ≥ 5/8 | ≥ 1/2 | ≥ 5/16 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 42.8                     | 56.0 | 56.0 | 56.0 | 56.0 | 56.0    | 56.0 | 56.0    | 56.0    | 56.0 | 56.0  | 56.0  | 56.0  | 56.0   | 56.0  | 56.0  |
| ≥ 20000         | 48.2                     | 63.2 | 63.2 | 63.2 | 63.2 | 63.2    | 63.2 | 63.2    | 63.2    | 63.2 | 63.2  | 63.2  | 63.2  | 63.2   | 63.2  | 63.2  |
| IV 18000        | 48.4                     | 63.5 | 63.5 | 63.5 | 63.5 | 63.5    | 63.5 | 63.5    | 63.5    | 63.5 | 63.5  | 63.5  | 63.5  | 63.5   | 63.5  | 63.5  |
| IV 16000        | 48.8                     | 64.1 | 64.1 | 64.1 | 64.1 | 64.1    | 64.1 | 64.1    | 64.1    | 64.1 | 64.1  | 64.1  | 64.1  | 64.1   | 64.1  | 64.1  |
| IV 14000        | 50.4                     | 66.1 | 66.1 | 66.1 | 66.1 | 66.1    | 66.1 | 66.1    | 66.1    | 66.1 | 66.1  | 66.1  | 66.1  | 66.1   | 66.1  | 66.1  |
| IV 12000        | 53.8                     | 70.9 | 71.0 | 71.0 | 71.0 | 71.0    | 71.0 | 71.0    | 71.0    | 71.0 | 71.0  | 71.0  | 71.0  | 71.0   | 71.0  | 71.0  |
| IV 10000        | 56.9                     | 75.9 | 76.0 | 76.0 | 76.0 | 76.0    | 76.0 | 76.0    | 76.0    | 76.0 | 76.0  | 76.0  | 76.0  | 76.0   | 76.0  | 76.0  |
| IV 8000         | 57.0                     | 76.0 | 76.1 | 76.1 | 76.1 | 76.1    | 76.1 | 76.1    | 76.1    | 76.1 | 76.1  | 76.1  | 76.1  | 76.1   | 76.1  | 76.1  |
| IV 7000         | 58.9                     | 79.3 | 79.5 | 79.5 | 79.5 | 79.5    | 79.5 | 79.5    | 79.5    | 79.5 | 79.5  | 79.5  | 79.5  | 79.5   | 79.5  | 79.5  |
| IV 6000         | 59.3                     | 79.9 | 80.0 | 80.0 | 80.0 | 80.0    | 80.0 | 80.0    | 80.0    | 80.0 | 80.0  | 80.0  | 80.0  | 80.0   | 80.0  | 80.0  |
| IV 5000         | 59.9                     | 80.9 | 81.0 | 81.1 | 81.1 | 81.1    | 81.1 | 81.1    | 81.1    | 81.1 | 81.1  | 81.1  | 81.1  | 81.1   | 81.1  | 81.1  |
| IV 4500         | 61.0                     | 82.6 | 82.8 | 82.9 | 82.9 | 82.9    | 82.9 | 82.9    | 82.9    | 82.9 | 82.9  | 82.9  | 82.9  | 82.9   | 82.9  | 82.9  |
| IV 4000         | 62.7                     | 85.2 | 85.4 | 85.4 | 85.4 | 85.4    | 85.4 | 85.4    | 85.4    | 85.4 | 85.4  | 85.4  | 85.4  | 85.4   | 85.4  | 85.4  |
| IV 3500         | 65.9                     | 89.8 | 90.2 | 90.2 | 90.2 | 90.2    | 90.2 | 90.2    | 90.2    | 90.2 | 90.2  | 90.2  | 90.2  | 90.2   | 90.2  | 90.2  |
| IV 3000         | 66.8                     | 91.9 | 92.3 | 92.4 | 92.4 | 92.4    | 92.4 | 92.4    | 92.4    | 92.4 | 92.4  | 92.4  | 92.4  | 92.4   | 92.4  | 92.4  |
| IV 2500         | 68.3                     | 94.8 | 95.3 | 95.4 | 95.5 | 95.5    | 95.5 | 95.5    | 95.5    | 95.5 | 95.5  | 95.5  | 95.5  | 95.5   | 95.5  | 95.5  |
| IV 2000         | 69.4                     | 97.1 | 97.8 | 98.0 | 98.1 | 98.1    | 98.1 | 98.1    | 98.1    | 98.1 | 98.1  | 98.1  | 98.1  | 98.1   | 98.1  | 98.1  |
| IV 1800         | 69.5                     | 97.6 | 98.5 | 98.8 | 99.0 | 99.0    | 99.0 | 99.0    | 99.0    | 99.0 | 99.0  | 99.0  | 99.0  | 99.0   | 99.0  | 99.0  |
| IV 1500         | 69.5                     | 97.8 | 98.8 | 99.2 | 99.4 | 99.4    | 99.4 | 99.4    | 99.4    | 99.4 | 99.4  | 99.4  | 99.4  | 99.4   | 99.4  | 99.4  |
| IV 1200         | 69.6                     | 97.9 | 99.0 | 99.4 | 99.6 | 99.6    | 99.6 | 99.6    | 99.6    | 99.6 | 99.6  | 99.6  | 99.6  | 99.6   | 99.6  | 99.6  |
| IV 1000         | 69.6                     | 98.2 | 99.2 | 99.6 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 900          | 69.6                     | 98.2 | 99.2 | 99.6 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 800          | 69.6                     | 98.2 | 99.2 | 99.7 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 700          | 69.6                     | 98.2 | 99.2 | 99.7 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 600          | 69.6                     | 98.2 | 99.2 | 99.7 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 500          | 69.6                     | 98.2 | 99.3 | 99.7 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 400          | 69.6                     | 98.2 | 99.3 | 99.7 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 300          | 69.6                     | 98.2 | 99.3 | 99.7 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 200          | 69.6                     | 98.2 | 99.3 | 99.7 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 100          | 69.6                     | 98.2 | 99.3 | 99.7 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 0            | 69.6                     | 98.2 | 99.3 | 99.7 | 99.9 | 99.9    | 99.9 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |

TOTAL NUMBER OF OBSERVATIONS 9672



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSLLP-C KCREA/CHEJI-CC RCK Y-39

54-66

PCV

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |        |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 5/16 | ≥ ¼   | ≥ 0   |
| NO CEILING      | 38.1                     | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7  | 49.7 | 49.7   | 49.7  | 49.7  |
| ≥ 20000         | 41.3                     | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0  | 54.0 | 54.0   | 54.0  | 54.0  |
| IV 18000        | 41.7                     | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5  | 54.5 | 54.5   | 54.5  | 54.5  |
| IV 16000        | 42.4                     | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4  | 55.4 | 55.4   | 55.4  | 55.4  |
| IV 14000        | 43.7                     | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0  | 57.0 | 57.0   | 57.0  | 57.0  |
| IV 12000        | 45.9                     | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2  | 60.2 | 60.2   | 60.2  | 60.2  |
| IV 10000        | 48.4                     | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0  | 64.0 | 64.0   | 64.0  | 64.0  |
| IV 9000         | 48.6                     | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  | 64.4 | 64.4   | 64.4  | 64.4  |
| IV 8000         | 50.2                     | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0  | 67.0 | 67.0   | 67.0  | 67.0  |
| IV 7000         | 50.4                     | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4  | 67.4 | 67.4   | 67.4  | 67.4  |
| IV 6000         | 51.1                     | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7  | 68.7 | 68.7   | 68.7  | 68.7  |
| IV 5000         | 52.5                     | 71.2 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4  | 71.4 | 71.4   | 71.4  | 71.4  |
| IV 4500         | 54.2                     | 74.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2  | 75.2 | 75.2   | 75.2  | 75.2  |
| IV 4000         | 59.1                     | 82.8 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4  | 83.4 | 83.4   | 83.4  | 83.4  |
| IV 3500         | 60.7                     | 87.0 | 87.6 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9  | 87.9 | 87.9   | 87.9  | 87.9  |
| IV 3000         | 63.4                     | 93.3 | 94.1 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6  | 94.6 | 94.6   | 94.6  | 94.6  |
| IV 2500         | 63.8                     | 95.8 | 96.9 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  | 97.7 | 97.7   | 97.7  | 97.7  |
| IV 2000         | 63.9                     | 96.3 | 97.6 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7  | 98.7 | 98.7   | 98.7  | 98.7  |
| IV 1800         | 63.9                     | 96.3 | 97.6 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8  | 98.8 | 98.8   | 98.8  | 98.8  |
| IV 1500         | 63.9                     | 96.5 | 97.8 | 98.7 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3   | 99.3  | 99.3  |
| IV 1200         | 63.9                     | 96.6 | 98.0 | 98.9 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5  | 99.5 | 99.5   | 99.5  | 99.5  |
| IV 1000         | 63.9                     | 96.7 | 98.1 | 99.0 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7   | 99.7  | 99.7  |
| IV 900          | 63.9                     | 96.8 | 98.2 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8   | 99.8  | 99.8  |
| IV 800          | 63.9                     | 96.8 | 98.2 | 99.1 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8   | 99.8  | 99.8  |
| IV 700          | 63.9                     | 96.8 | 98.2 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9  | 99.9 | 99.9   | 99.9  | 99.9  |
| IV 600          | 63.9                     | 96.8 | 98.3 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9  | 99.9 | 100.0  | 100.0 | 100.0 |
| IV 500          | 63.9                     | 96.8 | 98.3 | 99.2 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9 | 100.0  | 100.0 | 100.0 |
| IV 400          | 63.9                     | 96.8 | 98.3 | 99.2 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9 | 100.0  | 100.0 | 100.0 |
| IV 300          | 63.9                     | 96.8 | 98.3 | 99.2 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9 | 100.0  | 100.0 | 100.0 |
| IV 200          | 63.9                     | 96.8 | 98.3 | 99.2 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9 | 100.0  | 100.0 | 100.0 |
| IV 100          | 63.9                     | 96.8 | 98.3 | 99.2 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9 | 100.0  | 100.0 | 100.0 |
| IV 0            | 63.9                     | 96.8 | 98.3 | 99.2 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9  | 99.9 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 9360

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSULE-C KOREA/CHEJU-DC RCK A-39 24-66 DEC  
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| CEL. NO.<br>FEET      | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |       |      |       |      |       |
|-----------------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|-------|------|-------|------|-------|
|                       | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .75 | ≥ .58 | ≥ .5 | ≥ .36 | ≥ .3 | ≥ .25 |
| NO CEILING<br>≥ 20000 | 20.3                     | 30.1 | 30.1 | 30.1 | 30.1 | 30.1  | 30.1 | 30.1  | 30.1  | 30.1 | 30.1  | 30.1  | 30.1 | 30.1  | 30.1 | 30.1  |
| IV 16000              | 22.4                     | 33.7 | 33.8 | 33.8 | 33.8 | 33.8  | 33.8 | 33.8  | 33.8  | 33.8 | 33.8  | 33.8  | 33.8 | 33.8  | 33.8 | 33.8  |
| IV 14000              | 22.6                     | 34.0 | 34.0 | 34.0 | 34.0 | 34.0  | 34.0 | 34.0  | 34.0  | 34.0 | 34.0  | 34.0  | 34.0 | 34.0  | 34.0 | 34.0  |
| IV 12000              | 23.3                     | 34.9 | 35.0 | 35.0 | 35.0 | 35.0  | 35.0 | 35.0  | 35.0  | 35.0 | 35.0  | 35.0  | 35.0 | 35.0  | 35.0 | 35.0  |
| IV 10000              | 25.5                     | 38.2 | 38.2 | 38.3 | 38.3 | 38.3  | 38.3 | 38.3  | 38.3  | 38.3 | 38.3  | 38.3  | 38.3 | 38.3  | 38.3 | 38.3  |
| IV 9000               | 27.7                     | 41.9 | 41.9 | 42.0 | 42.0 | 42.0  | 42.0 | 42.0  | 42.0  | 42.0 | 42.0  | 42.0  | 42.0 | 42.0  | 42.0 | 42.0  |
| IV 8000               | 27.8                     | 42.0 | 42.1 | 42.1 | 42.1 | 42.1  | 42.1 | 42.1  | 42.1  | 42.1 | 42.1  | 42.1  | 42.1 | 42.1  | 42.1 | 42.1  |
| IV 7000               | 29.2                     | 44.3 | 44.4 | 44.4 | 44.4 | 44.4  | 44.4 | 44.4  | 44.4  | 44.4 | 44.4  | 44.4  | 44.4 | 44.4  | 44.4 | 44.4  |
| IV 6000               | 29.8                     | 45.1 | 45.2 | 45.2 | 45.3 | 45.3  | 45.3 | 45.3  | 45.3  | 45.3 | 45.3  | 45.3  | 45.3 | 45.3  | 45.3 | 45.3  |
| IV 5000               | 30.7                     | 46.6 | 46.7 | 46.8 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8  | 46.8 | 46.8  | 46.8  | 46.8 | 46.8  | 46.8 | 46.8  |
| IV 4500               | 34.1                     | 51.6 | 51.7 | 51.7 | 51.8 | 51.8  | 51.8 | 51.8  | 51.8  | 51.8 | 51.8  | 51.8  | 51.8 | 51.8  | 51.8 | 51.8  |
| IV 4000               | 37.1                     | 57.4 | 57.6 | 57.7 | 57.7 | 57.7  | 57.7 | 57.7  | 57.7  | 57.7 | 57.7  | 57.7  | 57.7 | 57.7  | 57.7 | 57.7  |
| IV 3500               | 44.2                     | 70.5 | 71.0 | 71.2 | 71.2 | 71.2  | 71.3 | 71.3  | 71.3  | 71.3 | 71.3  | 71.3  | 71.3 | 71.3  | 71.3 | 71.3  |
| IV 3000               | 46.9                     | 78.7 | 79.3 | 79.7 | 79.8 | 79.8  | 79.8 | 79.8  | 79.8  | 79.8 | 79.8  | 79.8  | 79.8 | 79.8  | 79.8 | 79.8  |
| IV 2500               | 54.7                     | 91.8 | 92.4 | 93.5 | 93.7 | 93.8  | 93.9 | 93.9  | 93.9  | 93.9 | 93.9  | 93.9  | 93.9 | 93.9  | 93.9 | 93.9  |
| IV 2000               | 55.7                     | 95.2 | 96.6 | 97.4 | 97.7 | 97.8  | 97.9 | 97.9  | 97.9  | 98.0 | 98.0  | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  |
| IV 1800               | 56.0                     | 95.8 | 97.4 | 98.3 | 98.7 | 98.8  | 99.0 | 99.0  | 99.0  | 99.1 | 99.1  | 99.1  | 99.1 | 99.1  | 99.2 | 99.2  |
| IV 1500               | 56.0                     | 95.9 | 97.5 | 98.4 | 98.9 | 98.9  | 99.1 | 99.1  | 99.1  | 99.2 | 99.2  | 99.2  | 99.2 | 99.2  | 99.3 | 99.3  |
| IV 1200               | 56.1                     | 96.1 | 97.7 | 98.7 | 99.1 | 99.2  | 99.4 | 99.5  | 99.5  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6  | 99.7 | 99.7  |
| IV 1000               | 56.1                     | 96.2 | 97.8 | 98.7 | 99.3 | 99.3  | 99.6 | 99.6  | 99.6  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 99.8  |
| IV 900                | 56.1                     | 96.2 | 97.8 | 98.8 | 99.3 | 99.3  | 99.6 | 99.6  | 99.6  | 99.8 | 99.8  | 99.8  | 99.8 | 99.8  | 99.9 | 99.9  |
| IV 800                | 56.1                     | 96.2 | 97.8 | 98.8 | 99.3 | 99.4  | 99.6 | 99.7  | 99.7  | 99.8 | 99.8  | 99.8  | 99.8 | 99.9  | 99.9 | 99.9  |
| IV 700                | 56.1                     | 96.2 | 97.8 | 98.8 | 99.3 | 99.4  | 99.6 | 99.7  | 99.7  | 99.8 | 99.8  | 99.8  | 99.8 | 99.9  | 99.9 | 99.9  |
| IV 600                | 56.1                     | 96.2 | 97.8 | 98.8 | 99.4 | 99.4  | 99.7 | 99.7  | 99.7  | 99.8 | 99.8  | 99.8  | 99.8 | 99.9  | 99.9 | 99.9  |
| IV 500                | 56.1                     | 96.2 | 97.8 | 98.8 | 99.4 | 99.4  | 99.7 | 99.7  | 99.7  | 99.8 | 99.8  | 99.8  | 99.8 | 99.9  | 99.9 | 99.9  |
| IV 400                | 56.1                     | 96.2 | 97.8 | 98.8 | 99.4 | 99.4  | 99.7 | 99.7  | 99.7  | 99.8 | 99.8  | 99.8  | 99.8 | 99.9  | 99.9 | 99.9  |
| IV 300                | 56.1                     | 96.2 | 97.8 | 98.8 | 99.4 | 99.4  | 99.7 | 99.7  | 99.7  | 99.8 | 99.8  | 99.8  | 99.8 | 99.9  | 99.9 | 99.9  |
| IV 200                | 56.1                     | 96.2 | 97.8 | 98.8 | 99.4 | 99.4  | 99.7 | 99.7  | 99.7  | 99.8 | 99.8  | 99.8  | 99.8 | 99.9  | 99.9 | 99.9  |
| IV 100                | 56.1                     | 96.2 | 97.8 | 98.8 | 99.4 | 99.4  | 99.7 | 99.7  | 99.7  | 99.8 | 99.8  | 99.8  | 99.8 | 99.9  | 99.9 | 99.9  |
| IV 0                  | 56.1                     | 96.2 | 97.8 | 98.8 | 99.4 | 99.4  | 99.7 | 99.7  | 99.7  | 99.8 | 99.8  | 99.8  | 99.8 | 99.9  | 99.9 | 99.9  |

TOTAL NUMBER OF OBSERVATIONS 9672

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

42263

MCSLLP-C KCR-4/CHEJU-DC ACK K-39

55-67

JAN

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1200

| CEILING<br>FEET    | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|--------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                    | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| CEILING<br>≥ 20000 | 12.5                     | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7  | 25.7 | 25.7  | 25.7  | 25.7  |
| IV 18000           | 12.5                     | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3  | 27.3 | 27.3  | 27.3  | 27.3  |
| IV 16000           | 12.5                     | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6  | 27.6 | 27.6  | 27.6  | 27.6  |
| IV 14000           | 13.1                     | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0  | 28.0 | 28.0  | 28.0  | 28.0  |
| IV 12000           | 13.8                     | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4  | 29.4 | 29.4  | 29.4  | 29.4  |
| IV 10000           | 15.2                     | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4  | 32.4 | 32.4  | 32.4  | 32.4  |
| IV 9000            | 15.2                     | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6  | 32.6 | 32.6  | 32.6  | 32.6  |
| IV 8000            | 15.6                     | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0  | 33.0 | 33.0  | 33.0  | 33.0  |
| IV 7000            | 15.9                     | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4  | 33.4 | 33.4  | 33.4  | 33.4  |
| IV 6000            | 16.3                     | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5  | 34.5 | 34.5  | 34.5  | 34.5  |
| IV 5000            | 16.9                     | 37.6 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7  | 37.7 | 37.7  | 37.7  | 37.7  |
| IV 4500            | 18.5                     | 45.2 | 45.4 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5  | 45.5 | 45.5  | 45.5  | 45.5  |
| IV 4000            | 23.2                     | 60.2 | 60.9 | 61.3 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6  | 61.6 | 61.6  | 61.6  | 61.6  |
| IV 3500            | 25.3                     | 67.5 | 68.5 | 69.3 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5  | 69.5 | 69.5  | 69.5  | 69.5  |
| IV 3000            | 31.5                     | 82.6 | 84.4 | 85.8 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3  | 86.3 | 86.3  | 86.3  | 86.3  |
| IV 2500            | 32.1                     | 87.5 | 90.5 | 93.1 | 93.7 | 93.7 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3  | 94.3 | 94.3  | 94.3  | 94.3  |
| IV 2000            | 32.1                     | 88.6 | 91.9 | 95.1 | 96.5 | 96.5 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1  | 98.1 | 98.1  | 98.1  | 98.1  |
| IV 1800            | 32.1                     | 88.6 | 92.0 | 95.3 | 96.8 | 96.8 | 98.0 | 98.0 | 98.0 | 98.3 | 98.5 | 98.5  | 98.6 | 98.6  | 98.6  | 98.6  |
| IV 1500            | 32.1                     | 88.8 | 92.3 | 95.7 | 97.2 | 97.2 | 98.6 | 98.6 | 98.6 | 98.9 | 99.1 | 99.1  | 99.3 | 99.3  | 99.4  | 99.4  |
| IV 1200            | 32.1                     | 88.8 | 92.3 | 95.7 | 97.2 | 97.2 | 98.6 | 98.6 | 98.6 | 99.0 | 99.3 | 99.3  | 99.6 | 99.6  | 99.7  | 99.7  |
| IV 1000            | 32.1                     | 88.8 | 92.3 | 95.7 | 97.2 | 97.2 | 98.6 | 98.6 | 98.6 | 99.0 | 99.3 | 99.3  | 99.6 | 99.6  | 99.7  | 99.7  |
| IV 900             | 32.1                     | 88.8 | 92.3 | 95.7 | 97.3 | 97.3 | 98.7 | 98.7 | 98.7 | 99.1 | 99.3 | 99.4  | 99.7 | 99.7  | 99.8  | 99.8  |
| IV 800             | 32.1                     | 88.8 | 92.3 | 95.7 | 97.3 | 97.3 | 98.7 | 98.7 | 98.7 | 99.1 | 99.3 | 99.4  | 99.7 | 99.7  | 99.8  | 99.8  |
| IV 700             | 32.1                     | 88.8 | 92.3 | 95.7 | 97.4 | 97.4 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.6  | 99.8 | 99.8  | 99.9  | 100.0 |
| IV 600             | 32.1                     | 88.8 | 92.3 | 95.7 | 97.4 | 97.4 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.6  | 99.8 | 99.8  | 99.9  | 100.0 |
| IV 500             | 32.1                     | 88.8 | 92.3 | 95.7 | 97.4 | 97.4 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.6  | 99.8 | 99.8  | 99.9  | 100.0 |
| IV 400             | 32.1                     | 88.8 | 92.3 | 95.7 | 97.4 | 97.4 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.6  | 99.8 | 99.8  | 99.9  | 100.0 |
| IV 300             | 32.1                     | 88.8 | 92.3 | 95.7 | 97.4 | 97.4 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.6  | 99.8 | 99.8  | 99.9  | 100.0 |
| IV 200             | 32.1                     | 88.8 | 92.3 | 95.7 | 97.4 | 97.4 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.6  | 99.8 | 99.8  | 99.9  | 100.0 |
| IV 100             | 32.1                     | 88.8 | 92.3 | 95.7 | 97.4 | 97.4 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.6  | 99.8 | 99.8  | 99.9  | 100.0 |
| IV 0               | 32.1                     | 88.8 | 92.3 | 95.7 | 97.4 | 97.4 | 98.8 | 98.8 | 98.8 | 99.3 | 99.5 | 99.6  | 99.8 | 99.8  | 99.9  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1208

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSULP-C KCREA/CHEJU-CC RCK --39

55-67

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |        |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .001 |
| NO CEILING      | 10.9                     | 26.6 | 26.6 | 26.6 | 26.6 | 26.6  | 26.6 | 26.6  | 26.6 | 26.6  | 26.6 | 26.6  | 26.6 | 26.6  | 26.6  | 26.6   |
| ≥ 20000         | 11.5                     | 27.7 | 27.7 | 27.7 | 27.7 | 27.7  | 27.7 | 27.7  | 27.7 | 27.7  | 27.7 | 27.7  | 27.7 | 27.7  | 27.7  | 27.7   |
| ≥ 18500         | 11.5                     | 27.7 | 27.7 | 27.7 | 27.7 | 27.7  | 27.7 | 27.7  | 27.7 | 27.7  | 27.7 | 27.7  | 27.7 | 27.7  | 27.7  | 27.7   |
| ≥ 15000         | 11.7                     | 28.0 | 28.0 | 28.0 | 28.0 | 28.0  | 28.0 | 28.0  | 28.0 | 28.0  | 28.0 | 28.0  | 28.0 | 28.0  | 28.0  | 28.0   |
| ≥ 14000         | 11.9                     | 28.1 | 28.1 | 28.1 | 28.1 | 28.1  | 28.1 | 28.1  | 28.1 | 28.1  | 28.1 | 28.1  | 28.1 | 28.1  | 28.1  | 28.1   |
| ≥ 12000         | 13.1                     | 30.1 | 30.1 | 30.1 | 30.1 | 30.1  | 30.1 | 30.1  | 30.1 | 30.1  | 30.1 | 30.1  | 30.1 | 30.1  | 30.1  | 30.1   |
| ≥ 10000         | 14.4                     | 32.7 | 32.7 | 32.7 | 32.7 | 32.7  | 32.7 | 32.7  | 32.7 | 32.7  | 32.7 | 32.7  | 32.7 | 32.7  | 32.7  | 32.7   |
| ≥ 9000          | 14.4                     | 32.7 | 32.7 | 32.7 | 32.7 | 32.7  | 32.7 | 32.7  | 32.7 | 32.7  | 32.7 | 32.7  | 32.7 | 32.7  | 32.7  | 32.7   |
| ≥ 8000          | 14.6                     | 33.6 | 33.6 | 33.6 | 33.6 | 33.6  | 33.6 | 33.6  | 33.6 | 33.6  | 33.6 | 33.6  | 33.6 | 33.6  | 33.6  | 33.6   |
| ≥ 7000          | 14.6                     | 33.6 | 33.6 | 33.6 | 33.6 | 33.6  | 33.6 | 33.6  | 33.6 | 33.6  | 33.6 | 33.6  | 33.6 | 33.6  | 33.6  | 33.6   |
| ≥ 6000          | 15.1                     | 35.0 | 35.0 | 35.0 | 35.0 | 35.0  | 35.0 | 35.0  | 35.0 | 35.0  | 35.0 | 35.0  | 35.0 | 35.0  | 35.0  | 35.0   |
| ≥ 5000          | 15.9                     | 36.8 | 36.8 | 36.8 | 36.8 | 36.8  | 36.8 | 36.8  | 36.8 | 36.8  | 36.8 | 36.8  | 36.8 | 36.8  | 36.8  | 36.8   |
| ≥ 4500          | 17.1                     | 42.2 | 42.3 | 42.4 | 42.4 | 42.4  | 42.4 | 42.4  | 42.4 | 42.4  | 42.4 | 42.4  | 42.4 | 42.4  | 42.4  | 42.4   |
| ≥ 4000          | 21.8                     | 56.2 | 57.2 | 57.7 | 57.7 | 57.7  | 57.7 | 57.7  | 57.7 | 57.7  | 57.7 | 57.7  | 57.7 | 57.7  | 57.7  | 57.7   |
| ≥ 3500          | 24.2                     | 66.5 | 68.6 | 69.7 | 69.8 | 69.8  | 69.8 | 69.8  | 69.8 | 69.8  | 69.8 | 69.8  | 69.8 | 69.8  | 69.8  | 69.8   |
| ≥ 3000          | 29.8                     | 80.6 | 83.5 | 85.7 | 86.2 | 86.2  | 86.3 | 86.3  | 86.3 | 86.3  | 86.3 | 86.3  | 86.3 | 86.3  | 86.3  | 86.3   |
| ≥ 2500          | 30.6                     | 85.0 | 89.0 | 92.5 | 93.4 | 93.4  | 94.0 | 94.0  | 94.0 | 94.0  | 94.2 | 94.2  | 94.2 | 94.2  | 94.2  | 94.2   |
| ≥ 2000          | 30.7                     | 86.0 | 90.7 | 95.1 | 96.9 | 96.9  | 98.1 | 98.1  | 98.1 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3   |
| ≥ 1800          | 30.7                     | 86.1 | 90.8 | 95.4 | 97.1 | 97.1  | 98.3 | 98.3  | 98.3 | 98.6  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7  | 98.7   |
| ≥ 1500          | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.3  | 99.4 | 99.4  | 99.4 | 99.6  | 99.6  | 99.7   |
| ≥ 1200          | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 1000          | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 900           | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 800           | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 700           | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 600           | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 500           | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 400           | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 300           | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 200           | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 100           | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |
| ≥ 0             | 30.7                     | 86.5 | 91.3 | 95.9 | 97.6 | 97.6  | 99.0 | 99.0  | 99.0 | 99.5  | 99.7 | 99.7  | 99.7 | 99.8  | 99.8  | 99.9   |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

42263

MGSULP-D KCREA/CHEJL-00 RCK -39

55-57

JUN

STATION

STATION NAME

DATE

6400-2800

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½   | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 13.0                     | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5  | 21.5  | 21.5  | 21.5  | 21.5  |
| ≥ 20000         | 14.9                     | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8  | 23.8  | 23.8  | 23.8  | 23.8  |
| ≥ 18000         | 15.1                     | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1  | 24.1  | 24.1  | 24.1  | 24.1  |
| ≥ 16000         | 15.3                     | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3  | 24.3  | 24.3  | 24.3  | 24.3  |
| ≥ 14000         | 16.1                     | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  |
| ≥ 12000         | 18.0                     | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7  | 27.7  | 27.7  | 27.7  | 27.7  |
| ≥ 10000         | 20.3                     | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3  | 31.3  | 31.3  | 31.3  | 31.3  |
| ≥ 9000          | 20.4                     | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3  | 31.3  | 31.3  | 31.3  | 31.3  |
| ≥ 8000          | 21.3                     | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2  | 33.2  | 33.2  | 33.2  | 33.2  |
| ≥ 7000          | 21.5                     | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7  | 33.7  | 33.7  | 33.7  | 33.7  |
| ≥ 6000          | 22.5                     | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  |
| ≥ 5000          | 24.2                     | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9  | 37.9  | 37.9  | 37.9  | 37.9  |
| ≥ 4500          | 26.2                     | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4  | 43.4  | 43.4  | 43.4  | 43.4  |
| ≥ 4000          | 31.3                     | 55.3 | 55.6 | 55.8 | 55.9 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  |
| ≥ 3500          | 34.8                     | 66.7 | 67.2 | 67.9 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  |
| ≥ 3000          | 41.4                     | 80.6 | 81.8 | 83.4 | 84.1 | 84.1 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  |
| ≥ 2500          | 42.8                     | 86.8 | 88.8 | 90.9 | 92.0 | 92.0 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  |
| ≥ 2000          | 42.8                     | 89.2 | 91.9 | 95.0 | 96.7 | 96.7 | 97.6 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1  | 98.2  | 98.2  | 98.2  | 98.2  |
| ≥ 1800          | 42.8                     | 89.2 | 91.9 | 95.0 | 96.8 | 96.8 | 97.8 | 98.0 | 98.0 | 98.4 | 98.4 | 98.4  | 98.5  | 98.5  | 98.5  | 98.5  |
| ≥ 1500          | 42.8                     | 89.5 | 92.1 | 95.4 | 97.4 | 97.4 | 98.8 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4  | 99.7  | 99.7  | 99.7  | 99.7  |
| ≥ 1200          | 42.8                     | 89.6 | 92.2 | 95.5 | 97.5 | 97.5 | 98.8 | 99.0 | 99.0 | 99.5 | 99.5 | 99.6  | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 1000          | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900           | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800           | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700           | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600           | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500           | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400           | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300           | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200           | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0             | 42.8                     | 89.7 | 92.3 | 95.5 | 97.6 | 97.6 | 99.0 | 99.2 | 99.2 | 99.7 | 99.7 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSLLP-C KOREA/CHEJU-DC 4CK 1-35

55-67

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1966-111

| CEILING<br>FEET       | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |       |
|-----------------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
|                       | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .00 |
| NO CEILING<br>≥ 20000 | 18.7                     | 19.7 | 19.9 | 19.9 | 19.9 | 19.9  | 19.9 | 19.9  | 19.9 | 19.9  | 19.9 | 19.9  | 19.9 | 19.9  | 19.9  | 19.9  |
| IV 18000              | 21.4                     | 22.7 | 22.7 | 22.7 | 22.7 | 22.7  | 22.7 | 22.7  | 22.7 | 22.7  | 22.7 | 22.7  | 22.7 | 22.7  | 22.7  | 22.7  |
| IV 16000              | 21.5                     | 22.7 | 22.7 | 22.7 | 22.7 | 22.7  | 22.7 | 22.7  | 22.7 | 22.7  | 22.7 | 22.7  | 22.7 | 22.7  | 22.7  | 22.7  |
| IV 14000              | 21.7                     | 22.9 | 22.9 | 22.9 | 22.9 | 22.9  | 22.9 | 22.9  | 22.9 | 22.9  | 22.9 | 22.9  | 22.9 | 22.9  | 22.9  | 22.9  |
| IV 12000              | 22.5                     | 23.7 | 23.7 | 23.7 | 23.7 | 23.7  | 23.7 | 23.7  | 23.7 | 23.7  | 23.7 | 23.7  | 23.7 | 23.7  | 23.7  | 23.7  |
| IV 10000              | 25.6                     | 27.0 | 27.0 | 27.0 | 27.0 | 27.0  | 27.0 | 27.0  | 27.0 | 27.0  | 27.0 | 27.0  | 27.0 | 27.0  | 27.0  | 27.0  |
| IV 8000               | 28.7                     | 31.4 | 31.4 | 31.4 | 31.4 | 31.4  | 31.4 | 31.4  | 31.4 | 31.4  | 31.4 | 31.4  | 31.4 | 31.4  | 31.4  | 31.4  |
| IV 7000               | 28.9                     | 31.6 | 31.6 | 31.6 | 31.6 | 31.6  | 31.6 | 31.6  | 31.6 | 31.6  | 31.6 | 31.6  | 31.6 | 31.6  | 31.6  | 31.6  |
| IV 6000               | 30.8                     | 33.9 | 33.9 | 33.9 | 33.9 | 33.9  | 33.9 | 33.9  | 33.9 | 33.9  | 33.9 | 33.9  | 33.9 | 33.9  | 33.9  | 33.9  |
| IV 5000               | 31.1                     | 34.6 | 34.7 | 34.7 | 34.7 | 34.7  | 34.7 | 34.7  | 34.7 | 34.7  | 34.7 | 34.7  | 34.7 | 34.7  | 34.7  | 34.7  |
| IV 4500               | 31.4                     | 35.0 | 35.1 | 35.1 | 35.1 | 35.1  | 35.1 | 35.1  | 35.1 | 35.1  | 35.1 | 35.1  | 35.1 | 35.1  | 35.1  | 35.1  |
| IV 4000               | 35.9                     | 40.2 | 40.3 | 40.3 | 40.3 | 40.3  | 40.3 | 40.3  | 40.3 | 40.3  | 40.3 | 40.3  | 40.3 | 40.3  | 40.3  | 40.3  |
| IV 3500               | 40.4                     | 46.5 | 46.6 | 46.6 | 46.6 | 46.6  | 46.6 | 46.6  | 46.6 | 46.6  | 46.6 | 46.6  | 46.6 | 46.6  | 46.6  | 46.6  |
| IV 3000               | 48.1                     | 59.1 | 59.4 | 59.4 | 59.4 | 59.4  | 59.4 | 59.4  | 59.4 | 59.4  | 59.4 | 59.4  | 59.4 | 59.4  | 59.4  | 59.4  |
| IV 2500               | 52.9                     | 68.6 | 69.3 | 69.6 | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7  | 69.7  |
| IV 2000               | 59.5                     | 81.9 | 83.0 | 83.8 | 84.3 | 84.3  | 84.4 | 84.4  | 84.4 | 84.4  | 84.4 | 84.5  | 84.5 | 84.5  | 84.5  | 84.5  |
| IV 1800               | 60.4                     | 86.9 | 88.7 | 89.7 | 90.2 | 90.2  | 90.5 | 90.6  | 90.6 | 90.7  | 90.7 | 90.7  | 90.7 | 90.7  | 90.7  | 90.7  |
| IV 1500               | 60.5                     | 89.7 | 92.1 | 94.0 | 94.9 | 94.9  | 95.7 | 95.8  | 95.8 | 96.4  | 96.5 | 96.5  | 96.5 | 96.5  | 96.8  | 97.0  |
| IV 1200               | 60.5                     | 90.3 | 92.8 | 95.0 | 96.1 | 96.1  | 97.1 | 97.2  | 97.2 | 98.3  | 98.4 | 98.4  | 98.6 | 98.6  | 98.9  | 99.3  |
| IV 1000               | 60.5                     | 90.4 | 92.9 | 95.1 | 96.2 | 96.2  | 97.2 | 97.3  | 97.3 | 98.3  | 98.5 | 98.5  | 98.7 | 98.7  | 99.0  | 99.3  |
| IV 900                | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.7  | 98.8 | 98.8  | 99.2 | 99.2  | 99.5  | 99.8  |
| IV 800                | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.7  | 98.8 | 98.9  | 99.3 | 99.3  | 99.6  | 99.9  |
| IV 700                | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.8  | 98.9 | 99.0  | 99.3 | 99.3  | 99.7  | 100.0 |
| IV 600                | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.8  | 98.9 | 99.0  | 99.3 | 99.3  | 99.7  | 100.0 |
| IV 500                | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.8  | 98.9 | 99.0  | 99.3 | 99.3  | 99.7  | 100.0 |
| IV 400                | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.8  | 98.9 | 99.0  | 99.3 | 99.3  | 99.7  | 100.0 |
| IV 300                | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.8  | 98.9 | 99.0  | 99.3 | 99.3  | 99.7  | 100.0 |
| IV 200                | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.8  | 98.9 | 99.0  | 99.3 | 99.3  | 99.7  | 100.0 |
| IV 100                | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.8  | 98.9 | 99.0  | 99.3 | 99.3  | 99.7  | 100.0 |
| IV 0                  | 60.5                     | 90.5 | 93.0 | 95.2 | 96.4 | 96.4  | 97.4 | 97.4  | 97.4 | 98.8  | 98.9 | 99.0  | 99.3 | 99.3  | 99.7  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MOSULP-0 KORFA/CH7JL-00 ROK X-39

55-67

JUL

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1208-1408

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 17.7                     | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3  | 18.3 | 18.3  | 18.3  | 18.3  |
| ≥ 20000         | 20.9                     | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7  | 21.7 | 21.7  | 21.7  | 21.7  |
| IV 18000        | 21.1                     | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0  | 22.0 | 22.0  | 22.0  | 22.0  |
| IV 16000        | 21.3                     | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2  | 22.2 | 22.2  | 22.2  | 22.2  |
| IV 14000        | 23.2                     | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3  | 24.3 | 24.3  | 24.3  | 24.3  |
| IV 12000        | 25.1                     | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3  | 26.3 | 26.3  | 26.3  | 26.3  |
| IV 10000        | 28.9                     | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0  | 31.0 | 31.0  | 31.0  | 31.0  |
| IV 9000         | 29.1                     | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3  | 31.3 | 31.3  | 31.3  | 31.3  |
| IV 8000         | 31.1                     | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5  | 33.5 | 33.5  | 33.5  | 33.5  |
| IV 7000         | 31.5                     | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0  | 34.0 | 34.0  | 34.0  | 34.0  |
| IV 6000         | 32.8                     | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3  | 35.3 | 35.3  | 35.3  | 35.3  |
| IV 5000         | 37.1                     | 40.6 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7  | 40.7 | 40.7  | 40.7  | 40.7  |
| IV 4500         | 41.9                     | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6  | 47.6 | 47.6  | 47.6  | 47.6  |
| IV 4000         | 51.8                     | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2  | 62.2 | 62.2  | 62.2  | 62.2  |
| IV 3500         | 55.8                     | 70.1 | 70.7 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1  | 71.1  | 71.1  |
| IV 3000         | 62.0                     | 80.6 | 81.8 | 82.6 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.5 | 83.5  | 83.5 | 83.5  | 83.5  | 83.5  |
| IV 2500         | 67.5                     | 86.6 | 88.4 | 90.2 | 90.8 | 90.8 | 91.3 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6  | 91.6 | 91.6  | 91.6  | 91.7  |
| IV 2000         | 62.9                     | 89.6 | 92.6 | 94.6 | 95.8 | 95.8 | 96.7 | 96.8 | 96.8 | 97.4 | 97.6 | 97.6  | 97.7 | 97.7  | 97.7  | 97.8  |
| IV 1800         | 62.9                     | 89.6 | 92.6 | 94.6 | 95.9 | 95.9 | 96.9 | 96.9 | 96.9 | 97.7 | 97.8 | 97.8  | 97.9 | 97.9  | 97.9  | 98.1  |
| IV 1500         | 63.0                     | 90.0 | 93.1 | 95.3 | 96.8 | 96.8 | 97.8 | 97.9 | 97.9 | 98.8 | 98.9 | 98.9  | 99.0 | 99.0  | 99.0  | 99.1  |
| IV 1200         | 63.0                     | 90.1 | 93.3 | 95.5 | 97.0 | 97.0 | 98.0 | 98.2 | 98.2 | 99.0 | 99.2 | 99.2  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 1000         | 63.0                     | 90.1 | 93.3 | 95.5 | 97.1 | 97.1 | 98.1 | 98.3 | 98.3 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.5  |
| IV 900          | 63.0                     | 90.1 | 93.3 | 95.5 | 97.1 | 97.1 | 98.1 | 98.3 | 98.3 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.5  |
| IV 800          | 63.0                     | 90.2 | 93.4 | 95.5 | 97.2 | 97.2 | 98.2 | 98.4 | 98.4 | 99.3 | 99.4 | 99.4  | 99.5 | 99.5  | 99.5  | 99.8  |
| IV 700          | 63.0                     | 90.2 | 93.4 | 95.5 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.8  | 100.0 |
| IV 600          | 63.0                     | 90.2 | 93.4 | 95.5 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.8  | 100.0 |
| IV 500          | 63.0                     | 90.2 | 93.4 | 95.5 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.8  | 100.0 |
| IV 400          | 63.0                     | 90.2 | 93.4 | 95.5 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.8  | 100.0 |
| IV 300          | 63.0                     | 90.2 | 93.4 | 95.5 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.8  | 100.0 |
| IV 200          | 63.0                     | 90.2 | 93.4 | 95.5 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.8  | 100.0 |
| IV 100          | 63.0                     | 90.2 | 93.4 | 95.5 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.8  | 100.0 |
| IV 0            | 63.0                     | 90.2 | 93.4 | 95.5 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.8  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 STATION MCSULP-C KORFA/CHEJU-DC NCK K-59 55-67 YEARS J/A MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1700

| CEILING<br>FEET       | VISIBILITY STATUTE MILES |      |      |      |      |         |      |         |         |      |       |       |       |        |       |       |
|-----------------------|--------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|-------|
|                       | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2 1/2 | ≥ 2  | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1  | ≥ 3/4 | ≥ 5/8 | ≥ 1/2 | ≥ 3/16 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING<br>≥ 20000 | 17.4                     | 18.7 | 18.2 | 18.5 | 18.5 | 18.5    | 18.5 | 18.5    | 18.5    | 18.5 | 18.5  | 18.5  | 18.5  | 18.5   | 18.5  | 18.5  |
| ≥ 18500               | 21.9                     | 23.5 | 23.5 | 23.9 | 23.9 | 23.9    | 23.9 | 23.9    | 23.9    | 23.9 | 23.9  | 23.9  | 23.9  | 23.9   | 23.9  | 23.9  |
| ≥ 16000               | 21.9                     | 23.5 | 23.5 | 23.9 | 23.9 | 23.9    | 23.9 | 23.9    | 23.9    | 23.9 | 23.9  | 23.9  | 23.9  | 23.9   | 23.9  | 23.9  |
| ≥ 14000               | 22.1                     | 23.7 | 23.7 | 24.2 | 24.2 | 24.2    | 24.2 | 24.2    | 24.2    | 24.2 | 24.2  | 24.2  | 24.2  | 24.2   | 24.2  | 24.2  |
| ≥ 12000               | 24.3                     | 26.3 | 26.3 | 26.7 | 26.7 | 26.7    | 26.7 | 26.7    | 26.7    | 26.7 | 26.7  | 26.7  | 26.7  | 26.7   | 26.7  | 26.7  |
| ≥ 10000               | 26.6                     | 29.0 | 29.0 | 29.4 | 29.4 | 29.4    | 29.4 | 29.4    | 29.4    | 29.4 | 29.4  | 29.4  | 29.4  | 29.4   | 29.4  | 29.4  |
| ≥ 9000                | 26.6                     | 29.1 | 29.1 | 29.5 | 29.5 | 29.5    | 29.5 | 29.5    | 29.5    | 29.5 | 29.5  | 29.5  | 29.5  | 29.5   | 29.5  | 29.5  |
| ≥ 8000                | 28.5                     | 31.4 | 31.4 | 31.8 | 31.8 | 31.8    | 31.8 | 31.8    | 31.8    | 31.8 | 31.8  | 31.8  | 31.8  | 31.8   | 31.8  | 31.8  |
| ≥ 7000                | 28.9                     | 31.8 | 31.8 | 32.3 | 32.3 | 32.3    | 32.3 | 32.3    | 32.3    | 32.3 | 32.3  | 32.3  | 32.3  | 32.3   | 32.3  | 32.3  |
| ≥ 6000                | 30.2                     | 33.4 | 33.4 | 33.8 | 33.8 | 33.8    | 33.8 | 33.8    | 33.8    | 33.8 | 33.8  | 33.8  | 33.8  | 33.8   | 33.8  | 33.8  |
| ≥ 5000                | 33.4                     | 37.9 | 37.9 | 38.3 | 38.3 | 38.3    | 38.3 | 38.3    | 38.3    | 38.3 | 38.3  | 38.3  | 38.3  | 38.3   | 38.3  | 38.3  |
| ≥ 4500                | 38.6                     | 45.0 | 45.0 | 45.6 | 45.6 | 45.6    | 45.6 | 45.6    | 45.6    | 45.6 | 45.6  | 45.6  | 45.6  | 45.6   | 45.6  | 45.6  |
| ≥ 4000                | 48.7                     | 59.9 | 60.2 | 60.6 | 61.0 | 61.0    | 61.0 | 61.0    | 61.0    | 61.0 | 61.0  | 61.0  | 61.0  | 61.0   | 61.0  | 61.0  |
| ≥ 3500                | 52.4                     | 68.7 | 69.5 | 70.5 | 70.6 | 70.6    | 70.6 | 70.6    | 70.6    | 70.6 | 70.6  | 70.6  | 70.6  | 70.6   | 70.6  | 70.6  |
| ≥ 3000                | 57.8                     | 79.2 | 81.3 | 82.8 | 83.1 | 83.1    | 83.1 | 83.2    | 83.2    | 83.2 | 83.2  | 83.2  | 83.2  | 83.2   | 83.2  | 83.2  |
| ≥ 2500                | 59.2                     | 85.3 | 87.9 | 90.3 | 91.1 | 91.1    | 91.3 | 91.5    | 91.5    | 91.8 | 91.9  | 91.9  | 91.9  | 91.9   | 92.0  | 92.0  |
| ≥ 2000                | 59.5                     | 87.4 | 90.5 | 93.8 | 95.1 | 95.1    | 95.8 | 96.0    | 96.0    | 96.6 | 96.7  | 96.7  | 96.7  | 96.7   | 96.9  | 96.9  |
| ≥ 1800                | 59.5                     | 87.5 | 90.6 | 94.1 | 95.5 | 95.5    | 96.3 | 96.5    | 96.5    | 97.1 | 97.3  | 97.3  | 97.3  | 97.3   | 97.4  | 97.4  |
| ≥ 1500                | 59.5                     | 87.9 | 91.1 | 94.8 | 96.4 | 96.5    | 97.7 | 97.9    | 97.9    | 98.5 | 98.8  | 98.8  | 98.8  | 98.8   | 99.0  | 99.0  |
| ≥ 1200                | 59.5                     | 87.9 | 91.1 | 94.8 | 96.6 | 96.7    | 97.8 | 98.1    | 98.1    | 98.7 | 98.9  | 98.9  | 98.9  | 98.9   | 99.2  | 99.2  |
| ≥ 1000                | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.2  | 99.2  | 99.2  | 99.2   | 99.4  | 99.4  |
| ≥ 900                 | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.2  | 99.2  | 99.2  | 99.2   | 99.4  | 99.5  |
| ≥ 800                 | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.2  | 99.2  | 99.2  | 99.2   | 99.4  | 99.5  |
| ≥ 700                 | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.3  | 99.3  | 99.3  | 99.3   | 99.5  | 99.6  |
| ≥ 600                 | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.3  | 99.3  | 99.3  | 99.3   | 99.8  | 99.8  |
| ≥ 500                 | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.3  | 99.3  | 99.3  | 99.3   | 99.8  | 99.9  |
| ≥ 400                 | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.3  | 99.3  | 99.3  | 99.3   | 99.8  | 100.0 |
| ≥ 300                 | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.3  | 99.3  | 99.3  | 99.3   | 99.8  | 100.0 |
| ≥ 200                 | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.3  | 99.3  | 99.3  | 99.3   | 99.8  | 100.0 |
| ≥ 100                 | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.3  | 99.3  | 99.3  | 99.3   | 99.8  | 100.0 |
| ≥ 0                   | 59.5                     | 87.9 | 91.1 | 94.9 | 96.7 | 96.8    | 98.0 | 98.3    | 98.3    | 98.9 | 99.3  | 99.3  | 99.3  | 99.3   | 99.8  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MOSLUP-C KOREA/CHEJU-DO ROK 1-39

55-67

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |      |      |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|------|------|------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2  |
| NO CEILING      | 13.6                     | 24.6 | 24.2 | 24.3 | 24.6 | 24.6  | 24.6 | 24.6  | 24.6  | 24.6 | 24.6  | 24.6 | 24.6 | 24.6 | 24.6  | 24.6  |
| ≥ 20000         | 15.2                     | 26.7 | 27.0 | 27.0 | 27.3 | 27.3  | 27.3 | 27.3  | 27.3  | 27.3 | 27.3  | 27.3 | 27.3 | 27.3 | 27.3  | 27.3  |
| IV 18000        | 15.2                     | 26.7 | 27.0 | 27.0 | 27.3 | 27.3  | 27.3 | 27.3  | 27.3  | 27.3 | 27.3  | 27.3 | 27.3 | 27.3 | 27.3  | 27.3  |
| IV 16000        | 15.3                     | 26.8 | 27.0 | 27.1 | 27.4 | 27.4  | 27.4 | 27.4  | 27.4  | 27.4 | 27.4  | 27.4 | 27.4 | 27.4 | 27.4  | 27.4  |
| IV 14000        | 15.5                     | 27.0 | 27.3 | 27.4 | 27.6 | 27.6  | 27.6 | 27.6  | 27.6  | 27.6 | 27.6  | 27.6 | 27.6 | 27.6 | 27.6  | 27.6  |
| IV 12000        | 16.7                     | 28.4 | 28.6 | 28.7 | 28.9 | 28.9  | 28.9 | 28.9  | 28.9  | 28.9 | 28.9  | 28.9 | 28.9 | 28.9 | 28.9  | 28.9  |
| IV 10000        | 17.7                     | 30.9 | 31.1 | 31.2 | 31.4 | 31.4  | 31.4 | 31.4  | 31.4  | 31.4 | 31.4  | 31.4 | 31.4 | 31.4 | 31.4  | 31.4  |
| IV 9000         | 17.7                     | 30.9 | 31.1 | 31.2 | 31.4 | 31.4  | 31.4 | 31.4  | 31.4  | 31.4 | 31.4  | 31.4 | 31.4 | 31.4 | 31.4  | 31.4  |
| IV 8000         | 18.5                     | 32.5 | 32.8 | 32.8 | 33.1 | 33.1  | 33.1 | 33.1  | 33.1  | 33.1 | 33.1  | 33.1 | 33.1 | 33.1 | 33.1  | 33.1  |
| IV 7000         | 18.8                     | 32.8 | 33.1 | 33.2 | 33.4 | 33.4  | 33.4 | 33.4  | 33.4  | 33.4 | 33.4  | 33.4 | 33.4 | 33.4 | 33.4  | 33.4  |
| IV 6000         | 19.4                     | 33.5 | 33.7 | 33.8 | 34.1 | 34.1  | 34.1 | 34.1  | 34.1  | 34.1 | 34.1  | 34.1 | 34.1 | 34.1 | 34.1  | 34.1  |
| IV 5000         | 21.2                     | 36.8 | 37.1 | 37.1 | 37.4 | 37.4  | 37.4 | 37.4  | 37.4  | 37.4 | 37.4  | 37.4 | 37.4 | 37.4 | 37.4  | 37.4  |
| IV 4500         | 23.9                     | 42.7 | 43.1 | 43.3 | 43.5 | 43.5  | 43.5 | 43.5  | 43.5  | 43.5 | 43.5  | 43.5 | 43.5 | 43.5 | 43.5  | 43.5  |
| IV 4000         | 31.9                     | 59.1 | 59.6 | 59.8 | 60.1 | 60.1  | 60.1 | 60.1  | 60.1  | 60.1 | 60.1  | 60.1 | 60.1 | 60.1 | 60.1  | 60.1  |
| IV 3500         | 33.7                     | 67.2 | 67.7 | 68.2 | 68.7 | 68.7  | 68.7 | 68.7  | 68.7  | 68.7 | 68.7  | 68.7 | 68.7 | 68.7 | 68.7  | 68.7  |
| IV 3000         | 39.3                     | 80.9 | 81.8 | 82.9 | 83.8 | 83.8  | 83.9 | 83.9  | 83.9  | 84.0 | 84.0  | 84.0 | 84.1 | 84.1 | 84.1  | 84.1  |
| IV 2500         | 40.5                     | 87.6 | 88.8 | 91.7 | 93.1 | 93.2  | 93.4 | 93.4  | 93.4  | 93.6 | 93.6  | 93.6 | 93.8 | 93.8 | 93.8  | 93.8  |
| IV 2000         | 40.6                     | 89.1 | 91.0 | 95.0 | 96.7 | 96.8  | 97.2 | 97.2  | 97.2  | 97.6 | 97.7  | 97.7 | 97.9 | 97.9 | 97.9  | 97.9  |
| IV 1800         | 40.6                     | 89.2 | 91.1 | 95.3 | 97.1 | 97.2  | 97.6 | 97.6  | 97.6  | 98.1 | 98.3  | 98.3 | 98.5 | 98.5 | 98.5  | 98.5  |
| IV 1500         | 40.6                     | 89.2 | 91.6 | 95.8 | 97.8 | 97.8  | 98.4 | 98.4  | 98.4  | 99.0 | 99.3  | 99.3 | 99.7 | 99.7 | 99.7  | 99.7  |
| IV 1200         | 40.6                     | 89.2 | 91.6 | 95.8 | 97.8 | 97.8  | 98.5 | 98.5  | 98.5  | 99.1 | 99.4  | 99.4 | 99.8 | 99.8 | 99.8  | 99.8  |
| IV 1000         | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.8 | 99.8 | 99.8  | 99.8  |
| IV 900          | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.8 | 99.8 | 99.8  | 99.8  |
| IV 800          | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.8 | 99.8 | 99.8  | 99.8  |
| IV 700          | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.8 | 99.8 | 99.8  | 99.8  |
| IV 600          | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.9 | 99.9 | 99.9  | 99.9  |
| IV 500          | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 400          | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 300          | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 200          | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 100          | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 0            | 40.6                     | 89.2 | 91.6 | 95.9 | 97.8 | 97.9  | 98.6 | 98.6  | 98.6  | 99.2 | 99.5  | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSULF-C KORLA/CHEJU-DC PCK W-30

55-67

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |        |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 5/16 | ≥ ¼   | 0     |
| NO CEILING      | 13.5                     | 28.0 | 28.0 | 28.1 | 26.2 | 28.2 | 28.2 | 28.7 | 28.2 | 28.2 | 28.2 | 28.2  | 28.2 | 28.2   | 28.2  | 28.2  |
| ≥ 25000         | 14.4                     | 30.1 | 30.1 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4  | 30.4 | 30.4   | 30.4  | 30.4  |
| ≥ 18000         | 14.5                     | 30.2 | 30.2 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4  | 30.4 | 30.4   | 30.4  | 30.4  |
| ≥ 16000         | 14.6                     | 30.4 | 30.4 | 30.5 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6  | 30.6 | 30.6   | 30.6  | 30.6  |
| ≥ 14000         | 14.9                     | 30.9 | 30.9 | 31.1 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2  | 31.2 | 31.2   | 31.2  | 31.2  |
| ≥ 12000         | 15.1                     | 31.8 | 31.8 | 32.0 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1  | 32.1 | 32.1   | 32.1  | 32.1  |
| ≥ 10000         | 16.4                     | 35.0 | 35.0 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2  | 35.2 | 35.2   | 35.2  | 35.2  |
| ≥ 9000          | 16.5                     | 35.1 | 35.1 | 35.2 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3  | 35.3 | 35.3   | 35.3  | 35.2  |
| ≥ 8000          | 16.8                     | 35.4 | 35.4 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6  | 35.6 | 35.6   | 35.6  | 35.6  |
| ≥ 7000          | 17.0                     | 35.9 | 35.9 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1  | 36.1 | 36.1   | 36.1  | 36.1  |
| ≥ 6000          | 17.8                     | 37.1 | 37.1 | 37.3 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4  | 37.4 | 37.4   | 37.4  | 37.4  |
| ≥ 5000          | 18.8                     | 40.0 | 40.0 | 40.2 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3  | 40.3 | 40.3   | 40.3  | 40.3  |
| ≥ 4500          | 19.9                     | 47.7 | 47.9 | 48.1 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4  | 48.4 | 48.4   | 48.4  | 48.4  |
| ≥ 4000          | 26.7                     | 63.4 | 63.8 | 64.0 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  | 64.4 | 64.4   | 64.4  | 64.4  |
| ≥ 3500          | 28.5                     | 72.3 | 72.8 | 73.0 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  | 73.5 | 73.5   | 73.5  | 73.5  |
| ≥ 3000          | 33.5                     | 85.2 | 86.6 | 87.3 | 87.9 | 87.9 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2  | 88.2 | 88.2   | 88.2  | 88.2  |
| ≥ 2500          | 34.2                     | 89.9 | 91.9 | 93.5 | 94.7 | 94.7 | 95.0 | 95.0 | 95.0 | 95.4 | 95.5 | 95.5  | 95.5 | 95.5   | 95.5  | 95.5  |
| ≥ 2000          | 34.2                     | 90.5 | 92.9 | 95.3 | 97.0 | 97.0 | 97.6 | 97.7 | 97.7 | 98.3 | 98.4 | 98.4  | 98.4 | 98.4   | 98.6  | 98.6  |
| ≥ 1800          | 34.2                     | 90.5 | 93.0 | 95.4 | 97.3 | 97.3 | 97.9 | 98.0 | 98.0 | 98.6 | 98.8 | 98.9  | 98.9 | 98.9   | 98.9  | 99.1  |
| ≥ 1500          | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 99.9  | 99.9  |
| ≥ 1200          | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 99.9  | 99.9  |
| ≥ 1000          | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 99.9  | 99.9  |
| ≥ 900           | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 99.9  | 99.9  |
| ≥ 800           | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 99.9  | 99.9  |
| ≥ 700           | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 100.0 | 100.0 |
| ≥ 600           | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 100.0 | 100.0 |
| ≥ 500           | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 100.0 | 100.0 |
| ≥ 400           | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 100.0 | 100.0 |
| ≥ 300           | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 100.0 | 100.0 |
| ≥ 200           | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 100.0 | 100.0 |
| ≥ 100           | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 100.0 | 100.0 |
| 0               | 34.2                     | 90.5 | 93.2 | 95.6 | 97.8 | 97.8 | 98.5 | 98.6 | 98.6 | 99.3 | 99.6 | 99.8  | 99.8 | 99.8   | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1299

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSULP-C KOREA/CHEJU-DG ROK 7-39

55-07

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2359  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .5 | ≥ .8 | ≥ .7 | ≥ .6 | ≥ .5  | ≥ .4  |
| NO CEILING      | 16.1                     | 34.1 | 34.3 | 34.3 | 34.3 | 34.3  | 34.3 | 34.3  | 34.3  | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3  | 34.3  |
| ≥ 20000         | 17.3                     | 37.9 | 38.1 | 38.2 | 38.2 | 38.2  | 38.2 | 38.2  | 38.2  | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2  | 38.2  |
| IV 18000        | 17.3                     | 38.0 | 38.2 | 38.3 | 38.3 | 38.3  | 38.3 | 38.3  | 38.3  | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3  | 38.3  |
| IV 16000        | 17.7                     | 38.4 | 38.7 | 38.8 | 38.8 | 38.8  | 38.8 | 38.8  | 38.8  | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8  | 38.8  |
| ≥ 14000         | 18.5                     | 39.7 | 40.0 | 40.1 | 40.1 | 40.1  | 40.1 | 40.1  | 40.1  | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1  | 40.1  |
| ≥ 12000         | 19.6                     | 41.5 | 41.8 | 41.9 | 41.9 | 41.9  | 41.9 | 41.9  | 41.9  | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9  | 41.9  |
| IV 10000        | 20.6                     | 44.1 | 44.4 | 44.5 | 44.5 | 44.5  | 44.5 | 44.5  | 44.5  | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5  | 44.5  |
| IV 9000         | 21.1                     | 44.4 | 44.7 | 44.8 | 44.8 | 44.8  | 44.8 | 44.8  | 44.8  | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8  | 44.8  |
| IV 8000         | 22.3                     | 47.3 | 47.6 | 47.7 | 47.7 | 47.7  | 47.7 | 47.7  | 47.7  | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7  | 47.7  |
| IV 7000         | 22.3                     | 47.4 | 47.7 | 47.8 | 47.8 | 47.8  | 47.8 | 47.8  | 47.8  | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8  | 47.8  |
| IV 6000         | 22.4                     | 48.6 | 49.0 | 49.0 | 49.0 | 49.0  | 49.0 | 49.0  | 49.0  | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0  | 49.0  |
| IV 5000         | 23.4                     | 52.5 | 52.9 | 53.0 | 53.0 | 53.0  | 53.0 | 53.0  | 53.0  | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0  | 53.0  |
| IV 4500         | 24.7                     | 60.4 | 61.2 | 61.6 | 61.6 | 61.6  | 61.6 | 61.6  | 61.6  | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6  | 61.6  |
| IV 4000         | 27.8                     | 69.1 | 70.0 | 70.9 | 71.0 | 71.0  | 71.0 | 71.0  | 71.0  | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0  | 71.0  |
| IV 3500         | 28.4                     | 74.8 | 76.0 | 77.2 | 77.3 | 77.3  | 77.3 | 77.3  | 77.3  | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3  | 77.3  |
| IV 3000         | 32.9                     | 86.0 | 86.2 | 90.2 | 90.8 | 90.8  | 91.0 | 91.0  | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| IV 2500         | 33.2                     | 88.7 | 91.8 | 94.5 | 95.4 | 95.5  | 96.0 | 96.0  | 96.0  | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0  | 96.0  |
| IV 2000         | 33.2                     | 89.4 | 92.8 | 95.5 | 96.8 | 97.0  | 97.6 | 97.7  | 97.7  | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8  | 97.8  |
| IV 1800         | 33.2                     | 89.5 | 92.9 | 95.7 | 97.2 | 97.4  | 98.0 | 98.1  | 98.1  | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2  | 98.2  |
| IV 1500         | 33.2                     | 89.7 | 93.2 | 96.4 | 97.9 | 98.1  | 98.7 | 98.8  | 98.8  | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0  | 99.0  |
| IV 1200         | 33.2                     | 89.7 | 93.2 | 96.5 | 98.1 | 98.3  | 99.0 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3  | 99.3  |
| IV 1000         | 33.2                     | 89.8 | 93.3 | 96.7 | 98.3 | 98.5  | 99.2 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5  | 99.5  |
| IV 900          | 33.2                     | 89.8 | 93.4 | 96.8 | 98.4 | 98.5  | 99.3 | 99.5  | 99.5  | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7  | 99.7  |
| IV 800          | 33.2                     | 89.8 | 93.5 | 96.9 | 98.5 | 98.6  | 99.5 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8  | 99.8  |
| IV 700          | 33.2                     | 89.8 | 93.5 | 96.9 | 98.5 | 98.6  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 600          | 33.2                     | 89.8 | 93.5 | 96.9 | 98.5 | 98.6  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 500          | 33.2                     | 89.8 | 93.5 | 96.9 | 98.5 | 98.6  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 400          | 33.2                     | 89.8 | 93.5 | 96.9 | 98.5 | 98.6  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 300          | 33.2                     | 89.8 | 93.5 | 96.9 | 98.5 | 98.6  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 200          | 33.2                     | 89.8 | 93.5 | 96.9 | 98.5 | 98.6  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 100          | 33.2                     | 89.8 | 93.5 | 96.9 | 98.5 | 98.6  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 0            | 33.2                     | 89.8 | 93.5 | 96.9 | 98.5 | 98.6  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1101

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSULP-O KOREA/CHFJU-DO FOK K-39

55-67

FE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0   |
| NO CEILING      | 14.4                     | 33.2 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5  | 33.5 | 33.5  | 33.5 | 33.5  |
| ≥ 20000         | 15.4                     | 36.0 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2  | 36.2 | 36.2  | 36.2 | 36.2  |
| IV 18000        | 15.4                     | 36.0 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2  | 36.2 | 36.2  | 36.2 | 36.2  |
| IV 16000        | 15.4                     | 36.0 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2  | 36.2 | 36.2  | 36.2 | 36.2  |
| IV 14000        | 16.0                     | 36.8 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1  | 37.1 | 37.1  | 37.1 | 37.1  |
| IV 12000        | 17.6                     | 39.1 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4  | 39.4 | 39.4  | 39.4 | 39.4  |
| IV 10000        | 19.1                     | 42.0 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2  | 42.2 | 42.2  | 42.2 | 42.2  |
| IV 9000         | 19.1                     | 42.1 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3  | 42.3 | 42.3  | 42.3 | 42.3  |
| IV 8000         | 19.6                     | 44.2 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5  | 44.5 | 44.5  | 44.5 | 44.5  |
| IV 7000         | 19.6                     | 44.2 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5  | 44.5 | 44.5  | 44.5 | 44.5  |
| IV 6000         | 19.9                     | 45.7 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0  | 46.0 | 46.0  | 46.0 | 46.0  |
| IV 5000         | 21.1                     | 49.7 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0  | 50.0 | 50.0  | 50.0 | 50.0  |
| IV 4500         | 21.9                     | 57.5 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9 | 57.9  | 57.9 | 57.9  |
| IV 4000         | 26.2                     | 68.7 | 69.4 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  |
| IV 3500         | 27.4                     | 74.0 | 75.0 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7  | 75.7 | 75.7  | 75.7 | 75.7  |
| IV 3000         | 32.5                     | 86.2 | 87.6 | 88.8 | 89.7 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0  | 90.0 | 90.0  | 90.0 | 90.0  |
| IV 2500         | 32.6                     | 89.4 | 92.1 | 94.2 | 95.5 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1  | 96.1 | 96.1  | 96.2 | 96.2  |
| IV 2000         | 32.6                     | 90.0 | 93.1 | 95.3 | 97.0 | 97.3 | 97.6 | 97.6 | 97.6 | 97.9 | 97.9 | 97.9  | 97.9 | 97.9  | 98.1 | 98.1  |
| IV 1800         | 32.6                     | 90.3 | 93.5 | 95.6 | 97.6 | 97.9 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5  | 98.5 | 98.5  | 98.7 | 98.7  |
| IV 1500         | 32.6                     | 90.3 | 93.6 | 96.0 | 98.1 | 98.4 | 98.7 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0  | 99.0 | 99.0  | 99.2 | 99.2  |
| IV 1200         | 32.6                     | 90.3 | 93.6 | 96.2 | 98.5 | 98.8 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5  | 99.5 | 99.5  | 99.6 | 99.6  |
| IV 1000         | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6  | 99.7 | 99.7  | 99.9 | 99.9  |
| IV 900          | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 800          | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 700          | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 600          | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 500          | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 400          | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 300          | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 200          | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 100          | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 0            | 32.6                     | 90.3 | 93.6 | 96.3 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1101

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSULP-C KOREA/CHEJU-DC RCK N-34

55-67

FE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-1800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ⅝  | ≥ ½   | ≥ ⅓   | ≥ ¼   | ≥ 0   |
| NO CEILING      | 18.7                     | 30.1 | 3 .1 | 30.1 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2  | 30.2  | 30.2  | 30.2  |
| ≥ 20000         | 21.2                     | 34.1 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2  | 34.2  | 34.2  | 34.2  |
| ≥ 18000         | 21.5                     | 34.4 | 34.5 | 34.5 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6  | 34.6  | 34.6  | 34.6  |
| ≥ 16000         | 21.9                     | 34.8 | 34.9 | 34.9 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0  | 35.0  | 35.0  | 35.0  |
| ≥ 14000         | 23.7                     | 36.7 | 36.8 | 36.8 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9  | 36.9  | 36.9  | 36.9  |
| ≥ 12000         | 26.3                     | 40.9 | 41.0 | 41.0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1  | 41.1  | 41.1  | 41.1  |
| ≥ 10000         | 28.3                     | 44.3 | 44.4 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5  | 44.5  | 44.5  | 44.5  |
| ≥ 9000          | 28.3                     | 44.3 | 44.4 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5  | 44.5  | 44.5  | 44.5  |
| ≥ 8000          | 30.1                     | 47.3 | 47.4 | 47.4 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5  | 47.5  | 47.5  | 47.5  |
| ≥ 7000          | 30.2                     | 47.7 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9  | 47.9  | 47.9  | 47.9  |
| ≥ 6000          | 31.0                     | 49.0 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2  | 49.2  | 49.2  | 49.2  |
| ≥ 5000          | 32.6                     | 51.8 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0  | 52.0  | 52.0  | 52.0  |
| ≥ 4500          | 35.6                     | 58.1 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3  | 58.3  | 58.3  | 58.3  |
| ≥ 4000          | 39.8                     | 67.6 | 68.1 | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3  | 68.3  | 68.3  | 68.3  |
| ≥ 3500          | 41.7                     | 74.4 | 75.2 | 75.3 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6  | 75.6  | 75.6  | 75.6  |
| ≥ 3000          | 47.0                     | 85.7 | 87.7 | 88.4 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9  | 89.0  | 89.0  | 89.0  |
| ≥ 2500          | 47.2                     | 89.9 | 92.7 | 93.9 | 94.7 | 94.7 | 95.0 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.4  | 95.4  | 95.4  | 95.4  |
| ≥ 2000          | 47.2                     | 90.7 | 93.7 | 95.5 | 97.1 | 97.1 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7  | 97.7  | 97.7  | 97.7  |
| ≥ 1800          | 47.2                     | 90.8 | 93.8 | 95.5 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 97.9  | 97.9  | 97.9  | 97.9  |
| ≥ 1500          | 47.2                     | 90.8 | 93.9 | 95.8 | 97.5 | 97.5 | 97.8 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.5  | 98.5  | 98.5  | 98.5  |
| ≥ 1200          | 47.3                     | 91.0 | 94.1 | 96.1 | 98.3 | 98.3 | 98.6 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.3  | 99.3  | 99.3  | 99.3  |
| ≥ 1000          | 47.3                     | 91.2 | 94.4 | 96.5 | 98.7 | 98.7 | 99.2 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 900           | 47.3                     | 91.2 | 94.4 | 96.5 | 98.7 | 98.7 | 99.2 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 800           | 47.3                     | 91.2 | 94.4 | 96.5 | 98.7 | 98.7 | 99.2 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 700           | 47.3                     | 91.2 | 94.4 | 96.5 | 98.7 | 98.7 | 99.2 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 600           | 47.3                     | 91.2 | 94.4 | 96.5 | 98.8 | 98.8 | 99.4 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500           | 47.3                     | 91.2 | 94.4 | 96.5 | 98.8 | 98.8 | 99.4 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400           | 47.3                     | 91.2 | 94.4 | 96.5 | 98.8 | 98.8 | 99.4 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300           | 47.3                     | 91.2 | 94.4 | 96.5 | 98.8 | 98.8 | 99.4 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200           | 47.3                     | 91.2 | 94.4 | 96.5 | 98.8 | 98.8 | 99.4 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 47.3                     | 91.2 | 94.4 | 96.5 | 98.8 | 98.8 | 99.4 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0               | 47.3                     | 91.2 | 94.4 | 96.5 | 98.8 | 98.8 | 99.4 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1101

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MOSULP-C KORFA/CHEJL-00 RCK K-39

55-67

FEET

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1900

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 | ≥ 0   |
| NO CEILING      | 25.2                     | 28.2 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.8 | 28.8  | 28.8 | 28.8  | 28.8  | 28.8  | 28.8  |
| ≥ 20000         | 32.6                     | 36.2 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.9 | 36.9  | 36.9 | 36.9  | 36.9  | 36.9  | 36.9  |
| IV 18000        | 33.1                     | 36.7 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.4 | 37.4  | 37.4 | 37.4  | 37.4  | 37.4  | 37.4  |
| IV 16000        | 33.4                     | 37.2 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 38.0 | 38.0  | 38.0 | 38.0  | 38.0  | 38.0  | 38.0  |
| IV 14000        | 34.5                     | 38.7 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.4 | 39.4  | 39.4 | 39.4  | 39.4  | 39.4  | 39.4  |
| IV 12000        | 38.1                     | 43.1 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.8 | 43.8  | 43.8 | 43.8  | 43.8  | 43.8  | 43.8  |
| IV 10000        | 41.1                     | 47.2 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 48.0 | 48.0  | 48.0 | 48.0  | 48.0  | 48.0  | 48.0  |
| IV 9000         | 41.3                     | 47.4 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.1 | 48.1  | 48.1 | 48.1  | 48.1  | 48.1  | 48.1  |
| IV 8000         | 42.6                     | 49.4 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.1 | 50.1  | 50.1 | 50.1  | 50.1  | 50.1  | 50.1  |
| IV 7000         | 43.3                     | 50.6 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.3 | 51.3  | 51.3 | 51.3  | 51.3  | 51.3  | 51.3  |
| IV 6000         | 44.6                     | 52.5 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.2 | 53.2  | 53.2 | 53.2  | 53.2  | 53.2  | 53.2  |
| IV 5000         | 48.8                     | 57.4 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1  | 58.1 | 58.1  | 58.1  | 58.1  | 58.1  |
| IV 4500         | 52.8                     | 62.5 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.2 | 63.2  | 63.2 | 63.2  | 63.2  | 63.2  | 63.2  |
| IV 4000         | 58.1                     | 71.8 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7  | 72.7 | 72.7  | 72.7  | 72.7  | 72.7  |
| IV 3500         | 61.0                     | 78.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 80.0 | 80.0  | 80.0 | 80.0  | 80.0  | 80.0  | 80.0  |
| IV 3000         | 64.6                     | 87.7 | 89.7 | 89.9 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.4 | 90.4  | 90.4 | 90.4  | 90.4  | 90.4  | 90.4  |
| IV 2500         | 64.9                     | 90.1 | 92.7 | 93.6 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.6 | 94.6  | 94.6 | 94.6  | 94.6  | 94.6  | 94.6  |
| IV 2000         | 64.9                     | 91.1 | 94.3 | 95.7 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.9 | 97.2 | 97.2  | 97.2 | 97.2  | 97.3  | 97.3  | 97.3  |
| IV 1800         | 64.9                     | 91.3 | 94.5 | 95.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.2 | 97.5 | 97.5  | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  |
| IV 1500         | 64.9                     | 91.4 | 94.6 | 96.2 | 97.6 | 97.6 | 97.9 | 97.9 | 97.9 | 98.2 | 98.5 | 98.5  | 98.5 | 98.5  | 98.6  | 98.6  | 98.6  |
| IV 1200         | 64.9                     | 91.8 | 95.1 | 96.9 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 | 99.2 | 99.2  | 99.3 | 99.3  | 99.4  | 99.4  | 99.4  |
| IV 1000         | 64.9                     | 91.9 | 95.3 | 97.1 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.2 | 99.5 | 99.5  | 99.5 | 99.5  | 99.6  | 99.6  | 99.6  |
| IV 900          | 64.9                     | 91.9 | 95.3 | 97.1 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.2 | 99.5 | 99.5  | 99.5 | 99.5  | 99.6  | 99.6  | 99.6  |
| IV 800          | 64.9                     | 92.0 | 95.4 | 97.2 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.3 | 99.5 | 99.5  | 99.5 | 99.6  | 99.6  | 99.7  | 99.7  |
| IV 700          | 64.9                     | 92.0 | 95.4 | 97.2 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.3 | 99.5 | 99.5  | 99.5 | 99.6  | 99.6  | 99.7  | 99.7  |
| IV 600          | 64.9                     | 92.0 | 95.5 | 97.4 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 100.0 | 100.0 |
| IV 500          | 64.9                     | 92.0 | 95.5 | 97.4 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 100.0 | 100.0 |
| IV 400          | 64.9                     | 92.0 | 95.5 | 97.4 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 100.0 | 100.0 |
| IV 300          | 64.9                     | 92.0 | 95.5 | 97.4 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 100.0 | 100.0 |
| IV 200          | 64.9                     | 92.0 | 95.5 | 97.4 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 100.0 | 100.0 |
| IV 100          | 64.9                     | 92.0 | 95.5 | 97.4 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 100.0 | 100.0 |
| IV 0            | 64.9                     | 92.0 | 95.5 | 97.4 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.5 | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1101

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MCSULP-D KOREA/CHEJU-DO RCK K-30  
STATION NAME

55-67  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS UTC

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |        |      |       |      |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|--------|------|-------|------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.25 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1  | ≥ 0   |
| NO CEILING      | 28.5                     | 29.6 | 30.0 | 30.0 | 30.0 | 30.0  | 30.0 | 30.0  | 30.0   | 30.0 | 30.0  | 30.2 | 30.2  | 30.2  | 30.2  | 30.2  |
| ≥ 20000         | 35.8                     | 37.5 | 37.9 | 37.9 | 37.9 | 37.9  | 37.9 | 37.9  | 37.9   | 37.9 | 37.9  | 38.1 | 38.1  | 38.1  | 38.1  | 38.1  |
| ≥ 18000         | 36.4                     | 38.1 | 38.5 | 38.5 | 38.5 | 38.5  | 38.5 | 38.5  | 38.5   | 38.5 | 38.5  | 38.8 | 38.8  | 38.8  | 38.8  | 38.8  |
| ≥ 16000         | 36.8                     | 38.7 | 39.1 | 39.1 | 39.1 | 39.1  | 39.1 | 39.1  | 39.1   | 39.1 | 39.1  | 39.3 | 39.3  | 39.3  | 39.3  | 39.3  |
| ≥ 14000         | 38.5                     | 40.7 | 41.1 | 41.1 | 41.1 | 41.1  | 41.1 | 41.1  | 41.1   | 41.1 | 41.1  | 41.3 | 41.3  | 41.3  | 41.3  | 41.3  |
| ≥ 12000         | 42.1                     | 44.7 | 45.0 | 45.0 | 45.0 | 45.0  | 45.0 | 45.0  | 45.0   | 45.0 | 45.0  | 45.3 | 45.3  | 45.3  | 45.3  | 45.3  |
| ≥ 10000         | 44.5                     | 47.6 | 48.0 | 48.0 | 48.0 | 48.0  | 48.0 | 48.0  | 48.0   | 48.0 | 48.0  | 48.2 | 48.2  | 48.2  | 48.2  | 48.2  |
| ≥ 9000          | 44.8                     | 47.9 | 48.2 | 48.2 | 48.2 | 48.2  | 48.2 | 48.2  | 48.2   | 48.2 | 48.2  | 48.5 | 48.5  | 48.5  | 48.5  | 48.5  |
| ≥ 8000          | 46.3                     | 50.4 | 50.9 | 50.9 | 50.9 | 50.9  | 50.9 | 50.9  | 50.9   | 50.9 | 50.9  | 51.1 | 51.1  | 51.1  | 51.1  | 51.1  |
| ≥ 7000          | 47.0                     | 51.2 | 51.7 | 51.8 | 51.8 | 51.8  | 51.8 | 51.8  | 51.8   | 51.8 | 51.8  | 52.0 | 52.0  | 52.0  | 52.0  | 52.0  |
| ≥ 6000          | 47.8                     | 52.3 | 52.8 | 52.9 | 52.9 | 52.9  | 52.9 | 52.9  | 52.9   | 52.9 | 52.9  | 53.1 | 53.1  | 53.1  | 53.1  | 53.1  |
| ≥ 5000          | 52.5                     | 58.1 | 58.6 | 58.7 | 58.7 | 58.7  | 58.7 | 58.7  | 58.7   | 58.7 | 58.7  | 58.9 | 58.9  | 58.9  | 58.9  | 58.9  |
| ≥ 4500          | 56.3                     | 63.4 | 63.9 | 64.0 | 64.0 | 64.0  | 64.0 | 64.0  | 64.0   | 64.0 | 64.0  | 64.3 | 64.3  | 64.3  | 64.3  | 64.3  |
| ≥ 4000          | 63.3                     | 73.8 | 74.4 | 74.6 | 74.6 | 74.6  | 74.6 | 74.6  | 74.6   | 74.6 | 74.6  | 74.8 | 74.8  | 74.8  | 74.8  | 74.8  |
| ≥ 3500          | 65.4                     | 79.7 | 80.5 | 80.9 | 80.9 | 80.9  | 80.9 | 80.9  | 80.9   | 80.9 | 80.9  | 81.2 | 81.2  | 81.2  | 81.2  | 81.2  |
| ≥ 3000          | 70.1                     | 88.2 | 89.5 | 89.9 | 90.1 | 90.1  | 90.1 | 90.1  | 90.1   | 90.1 | 90.1  | 90.4 | 90.4  | 90.4  | 90.4  | 90.4  |
| ≥ 2500          | 70.5                     | 91.9 | 93.6 | 94.5 | 95.0 | 95.1  | 95.2 | 95.2  | 95.2   | 95.2 | 95.2  | 95.5 | 95.5  | 95.5  | 95.5  | 95.5  |
| ≥ 2000          | 70.5                     | 92.9 | 95.0 | 96.5 | 97.1 | 97.2  | 97.5 | 97.5  | 97.5   | 97.5 | 97.5  | 97.8 | 97.8  | 97.8  | 97.9  | 97.9  |
| ≥ 1800          | 70.5                     | 92.9 | 95.0 | 96.5 | 97.1 | 97.2  | 97.5 | 97.5  | 97.5   | 97.5 | 97.5  | 97.8 | 97.8  | 97.8  | 97.9  | 97.9  |
| ≥ 1500          | 70.5                     | 93.0 | 95.3 | 96.7 | 97.5 | 97.6  | 98.0 | 98.2  | 98.2   | 98.2 | 98.4  | 98.6 | 98.6  | 98.6  | 98.7  | 98.7  |
| ≥ 1200          | 70.5                     | 93.1 | 95.4 | 96.9 | 97.7 | 97.8  | 98.2 | 98.4  | 98.4   | 98.4 | 98.5  | 98.8 | 98.8  | 98.8  | 98.9  | 98.9  |
| ≥ 1000          | 70.5                     | 93.2 | 95.6 | 97.3 | 98.1 | 98.2  | 98.5 | 98.7  | 98.7   | 98.7 | 98.9  | 99.2 | 99.2  | 99.2  | 99.3  | 99.3  |
| ≥ 900           | 70.5                     | 93.4 | 95.8 | 97.5 | 98.3 | 98.5  | 98.8 | 99.0  | 99.0   | 99.0 | 99.2  | 99.5 | 99.5  | 99.5  | 99.5  | 99.5  |
| ≥ 800           | 70.5                     | 93.6 | 96.0 | 97.7 | 98.5 | 98.7  | 99.1 | 99.3  | 99.3   | 99.3 | 99.5  | 99.7 | 99.7  | 99.7  | 99.8  | 99.8  |
| ≥ 700           | 70.5                     | 93.6 | 96.0 | 97.7 | 98.5 | 98.7  | 99.1 | 99.3  | 99.3   | 99.3 | 99.5  | 99.7 | 99.7  | 99.7  | 99.8  | 99.8  |
| ≥ 600           | 70.5                     | 93.6 | 96.2 | 97.9 | 98.7 | 98.9  | 99.3 | 99.5  | 99.5   | 99.5 | 99.6  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 500           | 70.5                     | 93.6 | 96.2 | 97.9 | 98.7 | 98.9  | 99.3 | 99.5  | 99.5   | 99.5 | 99.6  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 400           | 70.5                     | 93.6 | 96.2 | 97.9 | 98.7 | 98.9  | 99.3 | 99.5  | 99.5   | 99.5 | 99.6  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 300           | 70.5                     | 93.6 | 96.2 | 97.9 | 98.7 | 98.9  | 99.3 | 99.5  | 99.5   | 99.5 | 99.6  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 200           | 70.5                     | 93.6 | 96.2 | 97.9 | 98.7 | 98.9  | 99.3 | 99.5  | 99.5   | 99.5 | 99.6  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 100           | 70.5                     | 93.6 | 96.2 | 97.9 | 98.7 | 98.9  | 99.3 | 99.5  | 99.5   | 99.5 | 99.6  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 0             | 70.5                     | 93.6 | 96.2 | 97.9 | 98.7 | 98.9  | 99.3 | 99.5  | 99.5   | 99.5 | 99.6  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1101

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSLP-0 KOREA/CHEJU-PC RCR K-39

55-07

F-1

STATION

STATION NAME

YEARS

USCIN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½   | ≥ 3/8 | ≥ ¼   | ≥ 1/8 |
| NO CEILING      | 27.5                     | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.6 | 29.7 | 29.7 | 29.7 | 29.7 | 29.8  | 29.8  | 29.8  | 29.8  | 29.8  |
| ≥ 20000         | 35.1                     | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 | 38.2 | 38.2 | 38.3  | 38.3  | 38.3  | 38.3  | 38.3  |
| IV 18000        | 35.1                     | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.7 | 38.8 | 38.8 | 38.8 | 38.8 | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  |
| IV 16000        | 36.0                     | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  |
| IV 14000        | 37.9                     | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.2  | 41.2  | 41.2  | 41.2  | 41.2  |
| IV 12000        | 42.3                     | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.9  | 46.9  | 46.9  | 46.9  | 46.9  |
| IV 10000        | 44.3                     | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.3 | 49.4 | 49.4 | 49.4 | 49.4 | 49.5  | 49.5  | 49.5  | 49.5  | 49.5  |
| IV 9000         | 44.5                     | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.7  | 49.7  | 49.7  | 49.7  | 49.7  |
| IV 8000         | 46.3                     | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.8 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0  | 53.0  | 53.0  | 53.0  | 53.0  |
| IV 7000         | 46.7                     | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.1 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  |
| IV 6000         | 47.5                     | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  |
| IV 5000         | 50.1                     | 57.5 | 57.7 | 57.7 | 57.7 | 57.7 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9  | 57.9  | 57.9  | 57.9  |
| IV 4500         | 54.3                     | 64.3 | 64.6 | 64.6 | 64.6 | 64.6 | 64.7 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9  | 64.9  | 64.9  | 64.9  | 64.9  |
| IV 4000         | 60.1                     | 73.1 | 73.4 | 73.4 | 73.4 | 73.4 | 73.5 | 73.6 | 73.6 | 73.6 | 73.7 | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  |
| IV 3500         | 62.8                     | 78.4 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  |
| IV 3000         | 67.5                     | 88.4 | 89.8 | 89.8 | 90.0 | 90.0 | 90.1 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  |
| IV 2500         | 68.3                     | 92.1 | 94.0 | 94.4 | 94.8 | 94.8 | 95.0 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2  | 95.3  | 95.3  | 95.3  | 95.3  |
| IV 2000         | 68.3                     | 92.9 | 95.4 | 95.8 | 96.5 | 96.5 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1  | 97.2  | 97.2  | 97.2  | 97.2  |
| IV 1800         | 68.3                     | 92.9 | 95.4 | 96.2 | 96.9 | 96.9 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5  | 97.6  | 97.6  | 97.6  | 97.6  |
| IV 1500         | 68.3                     | 92.9 | 95.4 | 96.3 | 97.1 | 97.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3  | 98.4  | 98.4  | 98.4  | 98.4  |
| IV 1200         | 68.3                     | 93.2 | 95.6 | 96.8 | 97.6 | 97.6 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0  | 99.1  | 99.1  | 99.1  | 99.1  |
| IV 1000         | 68.3                     | 93.4 | 95.8 | 97.1 | 97.9 | 97.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3  | 99.4  | 99.4  | 99.4  | 99.4  |
| IV 900          | 68.3                     | 93.5 | 95.9 | 97.2 | 98.0 | 98.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4  | 99.5  | 99.5  | 99.5  | 99.5  |
| IV 800          | 68.3                     | 93.6 | 96.2 | 97.5 | 98.3 | 98.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 700          | 68.3                     | 93.6 | 96.2 | 97.5 | 98.3 | 98.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7  | 99.8  | 99.8  | 99.8  | 99.8  |
| IV 600          | 68.3                     | 93.6 | 96.2 | 97.5 | 98.3 | 98.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7  | 99.8  | 99.8  | 99.8  | 99.8  |
| IV 500          | 68.3                     | 93.6 | 96.3 | 97.5 | 98.4 | 98.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  |
| IV 400          | 68.3                     | 93.6 | 96.3 | 97.5 | 98.4 | 98.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300          | 68.3                     | 93.6 | 96.3 | 97.5 | 98.4 | 98.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200          | 68.3                     | 93.6 | 96.3 | 97.5 | 98.4 | 98.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100          | 68.3                     | 93.6 | 96.3 | 97.5 | 98.4 | 98.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0            | 68.3                     | 93.6 | 96.3 | 97.5 | 98.4 | 98.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1101



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 STATION NO. MCSLE-0 KORFA/CHEJU-00 ROK K-29 55-7 YEARS FEB 1964

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1201-1000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ⅓  | ≥ ⅓  | ≥ ⅓  | ≥ ⅓  | ≥ ⅓  |
| NO CEILING      | 73.6                     | 33.5 | 33.9 | 33.9 | 33.9 | 33.9 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 20000         | 28.3                     | 40.8 | 41.1 | 41.1 | 41.1 | 41.1 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| IV 18000        | 28.9                     | 41.3 | 41.7 | 41.7 | 41.7 | 41.7 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| IV 16000        | 29.2                     | 41.6 | 42.0 | 42.0 | 42.0 | 42.0 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| IV 14000        | 29.6                     | 42.5 | 42.9 | 42.9 | 42.9 | 42.9 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 12000        | 33.3                     | 48.6 | 49.0 | 49.0 | 49.0 | 49.0 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 10000        | 34.4                     | 51.9 | 52.3 | 52.3 | 52.3 | 52.3 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| IV 9000         | 35.1                     | 52.0 | 52.5 | 52.5 | 52.5 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| IV 8000         | 36.2                     | 54.6 | 55.3 | 55.3 | 55.3 | 55.3 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| IV 7000         | 36.3                     | 54.8 | 55.6 | 55.6 | 55.6 | 55.6 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| IV 6000         | 36.8                     | 55.8 | 56.6 | 56.6 | 56.6 | 56.6 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| IV 5000         | 38.6                     | 58.7 | 59.8 | 59.8 | 59.8 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| IV 4500         | 40.0                     | 61.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| IV 4000         | 44.1                     | 70.8 | 71.9 | 72.0 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 3500         | 46.5                     | 77.8 | 79.4 | 79.5 | 79.6 | 79.6 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| IV 3000         | 50.7                     | 87.2 | 89.5 | 89.7 | 90.1 | 90.1 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 |
| IV 2500         | 51.3                     | 90.6 | 93.1 | 94.0 | 94.6 | 94.6 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 |
| IV 2000         | 51.3                     | 92.0 | 94.7 | 95.8 | 96.9 | 96.9 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| IV 1800         | 51.3                     | 92.1 | 94.8 | 95.9 | 97.2 | 97.2 | 97.9 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 1500         | 51.3                     | 92.3 | 95.0 | 96.1 | 97.5 | 97.5 | 98.2 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 |
| IV 1200         | 51.3                     | 92.6 | 95.4 | 96.5 | 97.8 | 97.8 | 98.5 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| IV 1000         | 51.3                     | 92.8 | 95.6 | 96.7 | 98.1 | 98.1 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 900          | 51.3                     | 92.8 | 95.6 | 96.7 | 98.1 | 98.2 | 98.9 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 800          | 51.3                     | 92.8 | 95.6 | 96.7 | 98.1 | 98.4 | 99.1 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 700          | 51.3                     | 92.9 | 95.7 | 96.8 | 98.2 | 98.5 | 99.2 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 600          | 51.3                     | 92.9 | 95.8 | 96.9 | 98.3 | 98.5 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 500          | 51.3                     | 92.9 | 95.8 | 96.9 | 98.3 | 98.5 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 400          | 51.3                     | 92.9 | 95.8 | 97.0 | 98.4 | 98.6 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 300          | 51.3                     | 92.9 | 95.8 | 97.0 | 98.4 | 98.6 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 200          | 51.3                     | 92.9 | 95.8 | 97.0 | 98.4 | 98.6 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 100          | 51.3                     | 92.9 | 95.8 | 97.0 | 98.4 | 98.6 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 0            | 51.3                     | 92.9 | 95.8 | 97.0 | 98.4 | 98.6 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 1101

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MUSULP-C KOREA/CHEJU-DO ROK A-39  
STATION NAME

55-67  
YEARS

FEB  
1967

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼   | ≥ 1/8 |
| NO CEILING      | 18.9                     | 30.5 | 36.7 | 36.9 | 36.9 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2  | 37.2 | 37.2  | 37.2  | 37.2  |
| ≥ 20000         | 21.5                     | 42.4 | 42.6 | 42.9 | 42.9 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2  | 43.2 | 43.2  | 43.2  | 43.2  |
| IV 18000        | 21.6                     | 42.5 | 42.8 | 43.1 | 43.1 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4  | 43.4 | 43.4  | 43.4  | 43.4  |
| IV 16000        | 21.6                     | 42.5 | 42.8 | 43.1 | 43.1 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4  | 43.4 | 43.4  | 43.4  | 43.4  |
| IV 14000        | 22.5                     | 43.5 | 43.8 | 44.1 | 44.1 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4  | 44.4 | 44.4  | 44.4  | 44.4  |
| IV 12000        | 24.4                     | 47.4 | 47.6 | 47.9 | 47.9 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2  | 48.2 | 48.2  | 48.2  | 48.2  |
| IV 10000        | 25.3                     | 50.3 | 50.6 | 50.9 | 50.9 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2  | 51.2 | 51.2  | 51.2  | 51.2  |
| IV 9000         | 25.4                     | 50.4 | 50.7 | 51.0 | 51.0 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3  | 51.3 | 51.3  | 51.3  | 51.3  |
| IV 8000         | 26.5                     | 52.9 | 53.5 | 53.8 | 53.8 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1  | 54.1 | 54.1  | 54.1  | 54.1  |
| IV 7000         | 26.6                     | 53.4 | 54.2 | 54.5 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7  |
| IV 6000         | 26.7                     | 54.8 | 55.7 | 56.0 | 56.0 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3  | 56.3 | 56.3  | 56.3  | 56.3  |
| IV 5000         | 27.8                     | 57.3 | 58.4 | 58.6 | 58.6 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9  | 58.9 | 58.9  | 58.9  | 58.9  |
| IV 4500         | 28.8                     | 62.1 | 63.3 | 63.5 | 63.5 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8  | 63.8 | 63.8  | 63.8  | 63.8  |
| IV 4000         | 31.7                     | 70.8 | 72.2 | 72.5 | 72.5 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8  | 72.8 | 72.8  | 72.8  | 72.8  |
| IV 3500         | 33.1                     | 76.4 | 78.2 | 78.4 | 78.4 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2  | 79.2 | 79.2  | 79.2  | 79.2  |
| IV 3000         | 37.5                     | 87.3 | 89.6 | 90.5 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.3 | 91.3 | 91.3  | 91.3 | 91.3  | 91.3  | 91.3  |
| IV 2500         | 37.5                     | 90.5 | 93.5 | 95.1 | 95.6 | 95.9 | 96.2 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4  | 96.4 | 96.4  | 96.4  | 96.4  |
| IV 2000         | 37.5                     | 91.5 | 94.5 | 96.2 | 97.0 | 97.3 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8  | 97.8 | 97.8  | 97.8  | 97.8  |
| IV 1800         | 37.5                     | 91.8 | 94.8 | 96.7 | 97.6 | 97.9 | 98.2 | 98.2 | 98.2 | 98.5 | 98.5 | 98.5  | 98.5 | 98.5  | 98.5  | 98.5  |
| IV 1500         | 37.5                     | 92.0 | 95.0 | 96.9 | 97.8 | 98.1 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6  | 98.6 | 98.6  | 98.9  | 98.9  |
| IV 1200         | 37.5                     | 92.3 | 95.3 | 97.2 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9  | 98.9 | 98.9  | 99.2  | 99.2  |
| IV 1000         | 37.5                     | 92.3 | 95.3 | 97.2 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9  | 98.9 | 98.9  | 99.2  | 99.2  |
| IV 900          | 37.5                     | 92.3 | 95.3 | 97.2 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9  | 98.9 | 98.9  | 99.2  | 99.2  |
| IV 800          | 37.5                     | 92.3 | 95.3 | 97.2 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9  | 98.9 | 98.9  | 99.2  | 99.2  |
| IV 700          | 37.5                     | 92.3 | 95.3 | 97.2 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9  | 98.9 | 98.9  | 99.2  | 99.2  |
| IV 600          | 37.5                     | 92.3 | 95.4 | 97.3 | 98.2 | 98.9 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5  | 99.5 | 99.5  | 99.8  | 99.8  |
| IV 500          | 37.5                     | 92.3 | 95.4 | 97.3 | 98.2 | 98.9 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5  | 99.5 | 99.5  | 99.8  | 99.8  |
| IV 400          | 37.5                     | 92.3 | 95.4 | 97.3 | 98.4 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 100.0 | 100.0 |
| IV 300          | 37.5                     | 92.3 | 95.4 | 97.5 | 98.4 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 100.0 | 100.0 |
| IV 200          | 37.5                     | 92.3 | 95.4 | 97.5 | 98.4 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 100.0 | 100.0 |
| IV 100          | 37.5                     | 92.3 | 95.4 | 97.5 | 98.4 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 100.0 | 100.0 |
| IV 0            | 37.5                     | 92.3 | 95.4 | 97.5 | 98.4 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1100

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MUSCLE-0 KCRFA/CHEJU-00 RCK K-3

55-67

W 21  
00000

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-00

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |       |      |       |      |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|-------|------|-------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .75 | ≥ .58 | ≥ .4 | ≥ .36 | ≥ .3 | ≥ .25 |
| NO CEILING      | 15.2                     | 40.4 | 40.6 | 40.7 | 40.7 | 40.7  | 40.7 | 40.7  | 40.7  | 40.7 | 40.7  | 40.7  | 40.7 | 40.7  | 40.7 | 40.7  |
| ≥ 20000         | 16.1                     | 45.5 | 45.9 | 45.9 | 45.9 | 45.9  | 45.9 | 45.9  | 45.9  | 45.9 | 45.9  | 45.9  | 45.9 | 45.9  | 45.9 | 45.9  |
| ≥ 18000         | 16.3                     | 45.7 | 46.0 | 46.1 | 46.1 | 46.1  | 46.1 | 46.1  | 46.1  | 46.1 | 46.1  | 46.1  | 46.1 | 46.1  | 46.1 | 46.1  |
| ≥ 16000         | 16.5                     | 46.0 | 46.4 | 46.4 | 46.4 | 46.4  | 46.4 | 46.4  | 46.4  | 46.4 | 46.4  | 46.4  | 46.4 | 46.4  | 46.4 | 46.4  |
| ≥ 14000         | 17.0                     | 47.4 | 47.7 | 47.8 | 47.8 | 47.8  | 47.8 | 47.8  | 47.8  | 47.8 | 47.8  | 47.8  | 47.8 | 47.8  | 47.8 | 47.8  |
| ≥ 12000         | 17.5                     | 49.8 | 50.2 | 50.3 | 50.3 | 50.3  | 50.3 | 50.3  | 50.3  | 50.3 | 50.3  | 50.3  | 50.3 | 50.3  | 50.3 | 50.3  |
| ≥ 10000         | 18.4                     | 51.8 | 52.5 | 52.7 | 52.7 | 52.7  | 52.7 | 52.7  | 52.7  | 52.7 | 52.7  | 52.7  | 52.7 | 52.7  | 52.7 | 52.7  |
| ≥ 9000          | 18.4                     | 52.2 | 52.9 | 53.1 | 53.1 | 53.1  | 53.1 | 53.1  | 53.1  | 53.1 | 53.1  | 53.1  | 53.1 | 53.1  | 53.1 | 53.1  |
| ≥ 8000          | 19.1                     | 54.3 | 55.0 | 55.4 | 55.4 | 55.4  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4  | 55.4 | 55.4  |
| ≥ 7000          | 19.1                     | 54.7 | 55.5 | 55.9 | 55.9 | 55.9  | 55.9 | 55.9  | 55.9  | 55.9 | 55.9  | 55.9  | 55.9 | 55.9  | 55.9 | 55.9  |
| ≥ 6000          | 19.5                     | 56.7 | 57.5 | 57.9 | 57.9 | 57.9  | 57.9 | 57.9  | 57.9  | 57.9 | 57.9  | 57.9  | 57.9 | 57.9  | 57.9 | 57.9  |
| ≥ 5000          | 21.6                     | 59.9 | 60.7 | 61.0 | 61.0 | 61.0  | 61.0 | 61.0  | 61.0  | 61.0 | 61.0  | 61.0  | 61.0 | 61.0  | 61.0 | 61.0  |
| ≥ 4500          | 22.4                     | 63.1 | 64.0 | 64.3 | 64.3 | 64.3  | 64.3 | 64.3  | 64.3  | 64.3 | 64.3  | 64.3  | 64.3 | 64.3  | 64.3 | 64.3  |
| ≥ 4000          | 25.6                     | 71.5 | 72.8 | 73.1 | 73.2 | 73.2  | 73.2 | 73.2  | 73.2  | 73.2 | 73.2  | 73.2  | 73.2 | 73.2  | 73.2 | 73.2  |
| ≥ 3500          | 26.2                     | 73.8 | 75.8 | 76.4 | 76.5 | 76.5  | 76.5 | 76.5  | 76.5  | 76.5 | 76.5  | 76.5  | 76.5 | 76.5  | 76.5 | 76.5  |
| ≥ 3000          | 30.6                     | 82.9 | 85.4 | 86.2 | 86.3 | 86.3  | 86.3 | 86.3  | 86.3  | 86.3 | 86.3  | 86.3  | 86.3 | 86.3  | 86.3 | 86.3  |
| ≥ 2500          | 31.1                     | 87.3 | 90.6 | 91.9 | 92.4 | 92.4  | 92.4 | 92.4  | 92.4  | 92.6 | 92.6  | 92.6  | 92.6 | 92.6  | 92.6 | 92.6  |
| ≥ 2000          | 31.2                     | 89.1 | 92.8 | 94.6 | 95.7 | 95.7  | 95.7 | 95.7  | 95.7  | 96.0 | 96.0  | 96.0  | 96.0 | 96.0  | 96.0 | 96.0  |
| ≥ 1800          | 31.2                     | 89.3 | 93.1 | 95.0 | 96.0 | 96.0  | 96.1 | 96.1  | 96.1  | 96.4 | 96.4  | 96.4  | 96.4 | 96.4  | 96.4 | 96.4  |
| ≥ 1500          | 31.4                     | 89.8 | 93.7 | 95.8 | 97.0 | 97.0  | 97.4 | 97.4  | 97.4  | 97.7 | 97.7  | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  |
| ≥ 1200          | 31.4                     | 89.8 | 93.7 | 95.9 | 97.4 | 97.4  | 97.8 | 97.8  | 97.8  | 98.1 | 98.1  | 98.1  | 98.1 | 98.1  | 98.1 | 98.1  |
| ≥ 1000          | 31.4                     | 90.1 | 94.0 | 96.5 | 97.9 | 97.9  | 98.3 | 98.3  | 98.3  | 98.7 | 98.7  | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  |
| ≥ 900           | 31.4                     | 90.1 | 94.0 | 96.5 | 97.9 | 97.9  | 98.3 | 98.3  | 98.3  | 98.7 | 98.7  | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  |
| ≥ 800           | 31.4                     | 90.1 | 94.0 | 96.5 | 98.0 | 98.0  | 98.6 | 98.6  | 98.6  | 98.9 | 98.9  | 98.9  | 98.9 | 98.9  | 98.9 | 98.9  |
| ≥ 700           | 31.4                     | 90.1 | 94.0 | 96.5 | 98.0 | 98.0  | 98.6 | 98.6  | 98.6  | 98.9 | 98.9  | 98.9  | 98.9 | 98.9  | 98.9 | 98.9  |
| ≥ 600           | 31.4                     | 90.1 | 94.0 | 96.5 | 98.1 | 98.1  | 98.8 | 98.8  | 98.8  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3  | 99.3 | 99.3  |
| ≥ 500           | 31.4                     | 90.1 | 94.0 | 96.6 | 98.3 | 98.3  | 99.0 | 99.0  | 99.0  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  |
| ≥ 400           | 31.4                     | 90.1 | 94.0 | 96.6 | 98.3 | 98.3  | 99.0 | 99.0  | 99.0  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  |
| ≥ 300           | 31.4                     | 90.1 | 94.0 | 96.6 | 98.3 | 98.3  | 99.0 | 99.0  | 99.0  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  |
| ≥ 200           | 31.4                     | 90.1 | 94.0 | 96.6 | 98.3 | 98.3  | 99.0 | 99.0  | 99.0  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  |
| ≥ 100           | 31.4                     | 90.1 | 94.0 | 96.6 | 98.3 | 98.3  | 99.0 | 99.0  | 99.0  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  |
| ≥ 0             | 31.4                     | 90.1 | 94.0 | 96.6 | 98.3 | 98.3  | 99.0 | 99.0  | 99.0  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  |

TOTAL NUMBER OF OBSERVATIONS 1208

DATA PROCESSING DIVISION  
ETAC, USAF  
ANNEVILLE, A. C. 23601

# CEILING VERSUS VISIBILITY

43263 — MODSLLP-C KCRFA/CHFD-CC RCM F-3, 55-07

PAGE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1300-500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |       |      |       |       |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|-------|------|-------|-------|------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.0 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING      | 14.1                     | 40.2 | 40.2 | 40.3 | 40.3 | 40.3  | 40.3 | 40.3  | 40.3  | 40.3  | 40.3 | 40.3  | 40.3  | 40.3 | 40.3  | 40.3  |
| ≥ 20000         | 15.4                     | 45.3 | 45.3 | 45.4 | 45.4 | 45.4  | 45.4 | 45.4  | 45.4  | 45.4  | 45.4 | 45.4  | 45.4  | 45.4 | 45.4  | 45.4  |
| IV 18000        | 15.6                     | 45.5 | 45.5 | 45.6 | 45.6 | 45.6  | 45.6 | 45.6  | 45.6  | 45.6  | 45.6 | 45.6  | 45.6  | 45.6 | 45.6  | 45.6  |
| IV 16000        | 15.6                     | 45.6 | 45.6 | 45.7 | 45.7 | 45.7  | 45.7 | 45.7  | 45.7  | 45.7  | 45.7 | 45.7  | 45.7  | 45.7 | 45.7  | 45.7  |
| IV 14000        | 15.9                     | 46.6 | 46.6 | 46.7 | 46.7 | 46.7  | 46.7 | 46.7  | 46.7  | 46.7  | 46.7 | 46.7  | 46.7  | 46.7 | 46.7  | 46.7  |
| IV 12000        | 17.0                     | 49.1 | 49.1 | 49.2 | 49.2 | 49.2  | 49.2 | 49.2  | 49.2  | 49.2  | 49.2 | 49.2  | 49.2  | 49.2 | 49.2  | 49.2  |
| IV 10000        | 17.5                     | 51.7 | 51.6 | 51.7 | 51.7 | 51.7  | 51.7 | 51.7  | 51.7  | 51.7  | 51.7 | 51.7  | 51.7  | 51.7 | 51.7  | 51.7  |
| IV 9000         | 17.5                     | 51.8 | 51.8 | 51.9 | 51.9 | 51.9  | 51.9 | 51.9  | 51.9  | 51.9  | 51.9 | 51.9  | 51.9  | 51.9 | 51.9  | 51.9  |
| IV 8000         | 17.8                     | 52.9 | 53.0 | 53.3 | 53.3 | 53.3  | 53.3 | 53.3  | 53.3  | 53.3  | 53.3 | 53.3  | 53.3  | 53.3 | 53.3  | 53.3  |
| IV 7000         | 17.9                     | 53.3 | 53.5 | 53.8 | 53.8 | 53.8  | 53.8 | 53.8  | 53.8  | 53.8  | 53.8 | 53.8  | 53.8  | 53.8 | 53.8  | 53.8  |
| IV 6000         | 18.3                     | 54.1 | 54.3 | 54.5 | 54.6 | 54.6  | 54.6 | 54.6  | 54.6  | 54.6  | 54.6 | 54.6  | 54.6  | 54.6 | 54.6  | 54.6  |
| IV 5000         | 19.4                     | 57.2 | 57.3 | 57.6 | 57.7 | 57.7  | 57.7 | 57.7  | 57.7  | 57.7  | 57.7 | 57.7  | 57.7  | 57.7 | 57.7  | 57.7  |
| IV 4500         | 20.0                     | 61.3 | 61.5 | 61.7 | 61.8 | 61.8  | 61.8 | 61.8  | 61.8  | 61.8  | 61.8 | 61.8  | 61.8  | 61.8 | 61.8  | 61.8  |
| IV 4000         | 24.4                     | 70.0 | 70.4 | 70.7 | 70.9 | 70.9  | 71.0 | 71.0  | 71.0  | 71.0  | 71.0 | 71.0  | 71.0  | 71.0 | 71.0  | 71.0  |
| IV 3500         | 25.0                     | 74.6 | 75.7 | 76.1 | 76.3 | 76.3  | 76.5 | 76.5  | 76.5  | 76.5  | 76.5 | 76.5  | 76.5  | 76.5 | 76.5  | 76.5  |
| IV 3000         | 30.5                     | 84.8 | 86.1 | 86.6 | 86.9 | 87.0  | 87.2 | 87.2  | 87.2  | 87.3  | 87.3 | 87.3  | 87.3  | 87.3 | 87.3  | 87.3  |
| IV 2500         | 30.6                     | 88.6 | 90.5 | 91.5 | 92.4 | 92.5  | 92.7 | 92.7  | 92.7  | 92.9  | 93.0 | 93.0  | 93.0  | 93.0 | 93.0  | 93.0  |
| IV 2000         | 30.9                     | 90.1 | 92.5 | 94.0 | 95.6 | 95.7  | 96.0 | 96.0  | 96.0  | 96.2  | 96.3 | 96.3  | 96.3  | 96.3 | 96.3  | 96.3  |
| IV 1800         | 30.9                     | 90.1 | 92.5 | 94.1 | 95.7 | 95.8  | 96.2 | 96.2  | 96.2  | 96.4  | 96.5 | 96.5  | 96.5  | 96.5 | 96.5  | 96.5  |
| IV 1500         | 30.9                     | 90.2 | 92.6 | 94.5 | 96.4 | 96.4  | 96.9 | 96.9  | 96.9  | 97.3  | 97.4 | 97.4  | 97.4  | 97.4 | 97.4  | 97.4  |
| IV 1200         | 30.9                     | 90.2 | 92.6 | 94.8 | 96.8 | 96.9  | 97.4 | 97.4  | 97.4  | 97.8  | 97.8 | 97.8  | 97.8  | 97.8 | 97.8  | 97.8  |
| IV 1000         | 30.9                     | 90.2 | 92.6 | 95.0 | 97.2 | 97.4  | 97.9 | 97.9  | 97.9  | 98.3  | 98.4 | 98.4  | 98.4  | 98.4 | 98.4  | 98.4  |
| IV 900          | 30.9                     | 90.2 | 92.6 | 95.1 | 97.4 | 97.5  | 98.1 | 98.1  | 98.1  | 98.5  | 98.6 | 98.6  | 98.6  | 98.6 | 98.6  | 98.6  |
| IV 800          | 30.9                     | 90.2 | 92.6 | 95.1 | 97.4 | 97.6  | 98.3 | 98.3  | 98.3  | 98.8  | 98.8 | 98.8  | 98.8  | 98.8 | 98.8  | 98.8  |
| IV 700          | 30.9                     | 90.2 | 92.6 | 95.1 | 97.4 | 97.6  | 98.4 | 98.4  | 98.4  | 98.9  | 99.0 | 99.0  | 99.0  | 99.0 | 99.0  | 99.0  |
| IV 600          | 30.9                     | 90.2 | 92.6 | 95.1 | 97.4 | 97.6  | 98.4 | 98.4  | 98.4  | 98.9  | 99.0 | 99.0  | 99.0  | 99.0 | 99.0  | 99.0  |
| IV 500          | 30.9                     | 90.2 | 92.6 | 95.2 | 97.5 | 97.7  | 98.7 | 98.7  | 98.7  | 98.8  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8  | 99.8  |
| IV 400          | 30.9                     | 90.2 | 92.6 | 95.2 | 97.5 | 97.7  | 98.7 | 98.7  | 98.7  | 98.8  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8  | 99.8  |
| IV 300          | 30.9                     | 90.2 | 92.6 | 95.2 | 97.5 | 97.7  | 98.7 | 98.7  | 98.7  | 98.8  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8  | 99.8  |
| IV 200          | 30.9                     | 90.2 | 92.6 | 95.2 | 97.5 | 97.7  | 98.7 | 98.7  | 98.7  | 98.8  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8  | 99.8  |
| IV 100          | 30.9                     | 90.2 | 92.6 | 95.2 | 97.5 | 97.7  | 98.7 | 98.7  | 98.7  | 98.8  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8  | 99.8  |
| IV 0            | 30.9                     | 90.2 | 92.6 | 95.2 | 97.5 | 97.7  | 98.7 | 98.7  | 98.7  | 98.8  | 99.7 | 99.8  | 99.8  | 99.8 | 99.8  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
 FTAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MOSLLE-C KOREA/CHERU-CC FCK K-34

55-07

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2000-2001

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |       |       |      |      |       |       |       |       |      |
|-----------------|----------------------------|------|------|------|------|------|------|-------|-------|------|------|-------|-------|-------|-------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ 1  | ≥ 1/4 | ≥ 3/8 | ≥ 1/2 | ≥ 3/4 | ≥ 1  |
| NO CEILING      | 23.7                       | 35.0 | 35.4 | 35.4 | 35.6 | 35.6 | 35.6 | 35.7  | 35.7  | 35.8 | 35.8 | 35.8  | 35.8  | 35.8  | 35.8  | 35.8 |
| ≥ 20000         | 27.8                       | 40.6 | 41.2 | 41.3 | 41.5 | 41.5 | 41.5 | 41.6  | 41.6  | 41.7 | 41.7 | 41.7  | 41.7  | 41.7  | 41.7  | 41.7 |
| IV 18000        | 28.2                       | 41.0 | 41.6 | 41.7 | 41.9 | 41.9 | 41.9 | 42.0  | 42.0  | 42.1 | 42.1 | 42.1  | 42.1  | 42.1  | 42.1  | 42.1 |
| IV 16000        | 8.8                        | 41.9 | 42.4 | 42.5 | 42.8 | 42.8 | 42.8 | 42.8  | 42.8  | 42.9 | 42.9 | 42.9  | 42.9  | 42.9  | 42.9  | 42.9 |
| IV 14000        | 30.5                       | 43.7 | 44.3 | 44.3 | 44.6 | 44.6 | 44.6 | 44.7  | 44.7  | 44.7 | 44.7 | 44.7  | 44.7  | 44.7  | 44.7  | 44.7 |
| IV 12000        | 33.3                       | 47.6 | 48.2 | 48.3 | 48.6 | 48.6 | 48.6 | 48.6  | 48.6  | 48.7 | 48.7 | 48.7  | 48.7  | 48.7  | 48.7  | 48.7 |
| IV 10000        | 35.7                       | 50.8 | 51.4 | 51.5 | 51.9 | 51.9 | 51.9 | 51.9  | 51.9  | 52.0 | 52.0 | 52.0  | 52.0  | 52.0  | 52.0  | 52.0 |
| IV 9000         | 35.9                       | 51.0 | 51.6 | 51.7 | 52.0 | 52.0 | 52.0 | 52.1  | 52.1  | 52.2 | 52.2 | 52.2  | 52.2  | 52.2  | 52.2  | 52.2 |
| IV 8000         | 38.5                       | 54.5 | 55.2 | 55.3 | 55.7 | 55.7 | 55.7 | 55.7  | 55.7  | 55.8 | 55.8 | 55.8  | 55.8  | 55.8  | 55.8  | 55.8 |
| IV 7000         | 38.6                       | 54.9 | 55.6 | 55.7 | 56.2 | 56.2 | 56.2 | 56.2  | 56.2  | 56.3 | 56.3 | 56.3  | 56.3  | 56.3  | 56.3  | 56.3 |
| IV 6000         | 39.2                       | 55.9 | 56.6 | 56.9 | 57.4 | 57.4 | 57.4 | 57.5  | 57.5  | 57.6 | 57.6 | 57.6  | 57.6  | 57.6  | 57.6  | 57.6 |
| IV 5000         | 41.6                       | 59.2 | 59.9 | 60.2 | 60.7 | 60.7 | 60.7 | 60.8  | 60.8  | 60.9 | 60.9 | 60.9  | 60.9  | 60.9  | 60.9  | 60.9 |
| IV 4500         | 42.8                       | 62.3 | 62.9 | 63.4 | 63.9 | 63.9 | 63.9 | 63.9  | 63.9  | 64.0 | 64.0 | 64.0  | 64.0  | 64.0  | 64.0  | 64.0 |
| IV 4000         | 47.6                       | 69.6 | 70.4 | 71.1 | 71.7 | 71.7 | 71.7 | 71.8  | 71.8  | 71.9 | 71.9 | 71.9  | 71.9  | 71.9  | 71.9  | 71.9 |
| IV 3500         | 49.0                       | 74.9 | 75.8 | 76.5 | 77.4 | 77.4 | 77.4 | 77.5  | 77.5  | 77.6 | 77.6 | 77.6  | 77.6  | 77.6  | 77.6  | 77.6 |
| IV 3000         | 54.6                       | 84.2 | 86.0 | 86.9 | 88.2 | 88.2 | 88.2 | 88.3  | 88.3  | 88.3 | 88.3 | 88.3  | 88.3  | 88.3  | 88.3  | 88.3 |
| IV 2500         | 56.0                       | 87.9 | 90.2 | 91.7 | 93.3 | 93.3 | 93.3 | 93.4  | 93.4  | 93.5 | 93.5 | 93.5  | 93.5  | 93.5  | 93.5  | 93.5 |
| IV 2000         | 56.3                       | 89.2 | 91.7 | 93.6 | 95.5 | 95.5 | 95.6 | 95.7  | 95.7  | 95.8 | 95.8 | 95.8  | 95.8  | 95.8  | 95.9  | 95.9 |
| IV 1500         | 56.3                       | 89.3 | 91.8 | 93.7 | 95.6 | 95.6 | 95.7 | 95.8  | 95.8  | 95.9 | 95.9 | 95.9  | 95.9  | 95.9  | 96.0  | 96.0 |
| IV 1000         | 56.4                       | 89.6 | 92.1 | 94.0 | 96.0 | 96.0 | 96.3 | 96.4  | 96.4  | 96.7 | 96.7 | 96.7  | 96.7  | 96.7  | 96.9  | 96.9 |
| IV 900          | 56.4                       | 89.8 | 92.5 | 94.5 | 96.6 | 96.6 | 96.9 | 97.0  | 97.0  | 97.4 | 97.4 | 97.4  | 97.4  | 97.4  | 97.5  | 97.5 |
| IV 800          | 56.5                       | 90.2 | 93.1 | 95.1 | 97.4 | 97.5 | 97.9 | 98.0  | 98.0  | 98.3 | 98.3 | 98.3  | 98.3  | 98.3  | 98.5  | 98.5 |
| IV 700          | 56.5                       | 90.2 | 93.1 | 95.2 | 97.5 | 97.6 | 98.0 | 98.2  | 98.2  | 98.6 | 98.6 | 98.6  | 98.6  | 98.7  | 98.8  | 98.8 |
| IV 600          | 56.5                       | 90.2 | 93.1 | 95.2 | 97.5 | 97.7 | 98.1 | 98.3  | 98.3  | 98.8 | 98.8 | 98.8  | 98.8  | 98.8  | 99.0  | 99.0 |
| IV 500          | 56.5                       | 90.2 | 93.2 | 95.4 | 97.7 | 97.8 | 98.3 | 98.4  | 98.4  | 99.0 | 99.0 | 99.0  | 99.0  | 99.1  | 99.3  | 99.3 |
| IV 400          | 56.5                       | 90.5 | 93.5 | 95.6 | 98.0 | 98.3 | 98.7 | 98.8  | 98.8  | 99.4 | 99.4 | 99.4  | 99.4  | 99.5  | 99.7  | 99.7 |
| IV 300          | 56.5                       | 90.5 | 93.5 | 95.6 | 98.0 | 98.3 | 98.7 | 98.8  | 98.8  | 99.4 | 99.4 | 99.4  | 99.4  | 99.5  | 99.7  | 99.8 |
| IV 200          | 56.5                       | 90.5 | 93.5 | 95.6 | 98.0 | 98.3 | 98.7 | 98.8  | 98.8  | 99.4 | 99.4 | 99.4  | 99.4  | 99.7  | 99.7  | 99.8 |
| IV 100          | 56.5                       | 90.5 | 93.5 | 95.6 | 98.0 | 98.3 | 98.7 | 98.8  | 98.8  | 99.4 | 99.4 | 99.4  | 99.4  | 99.7  | 99.7  | 99.8 |
| IV 50           | 56.5                       | 90.5 | 93.5 | 95.6 | 98.0 | 98.3 | 98.7 | 98.8  | 98.8  | 99.4 | 99.4 | 99.4  | 99.4  | 99.7  | 99.7  | 99.8 |
| IV 25           | 56.5                       | 90.5 | 93.5 | 95.6 | 98.0 | 98.3 | 98.7 | 98.8  | 98.8  | 99.4 | 99.4 | 99.4  | 99.4  | 99.7  | 99.7  | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 1209

EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSLLP-O KOREA/CHEJU-DO RCK R-39

55-67

PAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5905-110

| CEILING<br>FEET       | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |       |      |       |       |
|-----------------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|-------|------|-------|-------|
|                       | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING<br>≥ 20000 | 33.2                     | 36.4 | 36.6 | 36.6 | 36.8 | 36.8  | 36.8 | 36.8  | 36.8 | 37.0  | 37.0 | 37.0  | 37.0  | 37.0 | 37.0  | 37.0  |
| IV 18000              | 40.0                     | 44.7 | 45.0 | 45.0 | 45.4 | 45.4  | 45.6 | 45.6  | 45.6 | 45.7  | 45.7 | 45.7  | 45.7  | 45.7 | 45.7  | 45.7  |
| IV 16000              | 40.5                     | 45.2 | 45.5 | 45.5 | 46.1 | 46.1  | 46.2 | 46.2  | 46.2 | 46.4  | 46.4 | 46.4  | 46.4  | 46.4 | 46.4  | 46.4  |
| IV 14000              | 42.7                     | 47.7 | 48.1 | 48.1 | 48.6 | 48.6  | 48.8 | 48.8  | 48.8 | 49.0  | 49.0 | 49.0  | 49.0  | 49.0 | 49.0  | 49.0  |
| IV 12000              | 45.7                     | 51.2 | 51.5 | 51.5 | 52.1 | 52.1  | 52.3 | 52.3  | 52.3 | 52.4  | 52.4 | 52.4  | 52.4  | 52.4 | 52.4  | 52.4  |
| IV 10000              | 47.6                     | 54.0 | 54.5 | 54.5 | 55.2 | 55.2  | 55.3 | 55.3  | 55.3 | 55.5  | 55.5 | 55.5  | 55.5  | 55.5 | 55.5  | 55.5  |
| IV 9000               | 47.8                     | 54.3 | 54.8 | 54.8 | 55.5 | 55.5  | 55.7 | 55.7  | 55.7 | 55.8  | 55.8 | 55.8  | 55.8  | 55.8 | 55.8  | 55.8  |
| IV 8000               | 49.5                     | 56.4 | 56.9 | 57.1 | 57.8 | 57.8  | 58.0 | 58.0  | 58.0 | 58.1  | 58.1 | 58.1  | 58.1  | 58.1 | 58.1  | 58.1  |
| IV 7000               | 49.8                     | 56.9 | 57.5 | 57.7 | 58.5 | 58.5  | 58.6 | 58.6  | 58.6 | 58.8  | 58.8 | 58.8  | 58.8  | 58.8 | 58.8  | 58.8  |
| IV 6000               | 51.3                     | 58.6 | 59.4 | 59.6 | 60.4 | 60.4  | 60.5 | 60.5  | 60.5 | 60.7  | 60.7 | 60.7  | 60.7  | 60.7 | 60.7  | 60.7  |
| IV 5000               | 54.3                     | 62.4 | 63.0 | 63.2 | 64.0 | 64.0  | 64.2 | 64.2  | 64.2 | 64.4  | 64.4 | 64.4  | 64.4  | 64.4 | 64.4  | 64.4  |
| IV 4500               | 56.5                     | 65.3 | 65.9 | 66.1 | 66.9 | 66.9  | 67.1 | 67.1  | 67.1 | 67.2  | 67.2 | 67.2  | 67.2  | 67.2 | 67.2  | 67.2  |
| IV 4000               | 60.1                     | 70.9 | 71.7 | 72.2 | 73.1 | 73.1  | 73.3 | 73.3  | 73.3 | 73.6  | 73.6 | 73.6  | 73.6  | 73.6 | 73.6  | 73.6  |
| IV 3500               | 62.0                     | 75.2 | 76.0 | 76.5 | 77.5 | 77.5  | 77.7 | 77.7  | 77.7 | 78.0  | 78.0 | 78.0  | 78.0  | 78.0 | 78.0  | 78.0  |
| IV 3000               | 67.3                     | 84.2 | 85.4 | 85.9 | 87.5 | 87.5  | 87.8 | 87.8  | 87.8 | 88.2  | 88.2 | 88.2  | 88.2  | 88.2 | 88.2  | 88.2  |
| IV 2500               | 68.5                     | 88.3 | 89.7 | 90.8 | 92.4 | 92.4  | 92.7 | 92.7  | 92.7 | 93.1  | 93.1 | 93.1  | 93.1  | 93.1 | 93.1  | 93.1  |
| IV 2000               | 68.9                     | 89.8 | 91.2 | 92.8 | 94.6 | 94.6  | 95.0 | 95.0  | 95.0 | 95.3  | 95.3 | 95.3  | 95.3  | 95.3 | 95.3  | 95.3  |
| IV 1800               | 68.9                     | 90.0 | 91.4 | 93.0 | 94.8 | 94.8  | 95.1 | 95.1  | 95.1 | 95.5  | 95.5 | 95.5  | 95.5  | 95.5 | 95.5  | 95.5  |
| IV 1500               | 68.9                     | 90.9 | 92.4 | 94.0 | 95.9 | 95.9  | 96.2 | 96.2  | 96.2 | 96.5  | 96.5 | 96.5  | 96.5  | 96.5 | 96.5  | 96.5  |
| IV 1200               | 68.9                     | 91.1 | 92.8 | 94.4 | 96.3 | 96.4  | 96.8 | 96.8  | 96.8 | 97.1  | 97.2 | 97.2  | 97.2  | 97.2 | 97.2  | 97.2  |
| IV 1000               | 68.9                     | 91.3 | 93.0 | 94.5 | 96.4 | 96.8  | 97.2 | 97.2  | 97.2 | 97.5  | 97.6 | 97.6  | 97.7  | 97.7 | 97.7  | 97.7  |
| IV 900                | 68.9                     | 91.3 | 93.0 | 94.5 | 96.4 | 96.8  | 97.2 | 97.2  | 97.2 | 97.5  | 97.6 | 97.6  | 97.7  | 97.7 | 97.7  | 97.7  |
| IV 800                | 68.9                     | 91.6 | 93.2 | 94.9 | 96.9 | 97.2  | 97.6 | 97.6  | 97.6 | 97.9  | 98.0 | 98.0  | 98.1  | 98.1 | 98.1  | 98.1  |
| IV 700                | 68.9                     | 91.6 | 93.3 | 95.1 | 97.2 | 97.6  | 98.0 | 98.0  | 98.0 | 98.3  | 98.4 | 98.4  | 98.5  | 98.5 | 98.5  | 98.5  |
| IV 600                | 68.9                     | 91.6 | 93.5 | 95.3 | 97.5 | 97.9  | 98.6 | 98.7  | 98.7 | 99.0  | 99.1 | 99.1  | 99.2  | 99.2 | 99.2  | 99.2  |
| IV 500                | 68.9                     | 91.9 | 93.7 | 95.5 | 97.8 | 98.2  | 98.8 | 99.1  | 99.1 | 99.4  | 99.5 | 99.5  | 99.6  | 99.6 | 99.6  | 99.6  |
| IV 400                | 68.9                     | 92.0 | 93.8 | 95.6 | 97.8 | 98.3  | 98.9 | 99.2  | 99.2 | 99.5  | 99.6 | 99.6  | 99.7  | 99.7 | 99.7  | 99.7  |
| IV 300                | 68.9                     | 92.1 | 93.9 | 95.7 | 97.9 | 98.3  | 99.0 | 99.3  | 99.3 | 99.6  | 99.7 | 99.7  | 99.8  | 99.8 | 99.8  | 99.8  |
| IV 200                | 68.9                     | 92.1 | 93.9 | 95.7 | 97.9 | 98.3  | 99.0 | 99.3  | 99.3 | 99.6  | 99.7 | 99.7  | 99.8  | 99.8 | 99.9  | 99.9  |
| IV 100                | 68.9                     | 92.1 | 93.9 | 95.7 | 97.9 | 98.3  | 99.0 | 99.3  | 99.3 | 99.6  | 99.7 | 99.7  | 99.8  | 99.8 | 99.9  | 99.9  |
| IV 0                  | 68.9                     | 92.1 | 93.9 | 95.7 | 97.9 | 98.3  | 99.0 | 99.3  | 99.3 | 99.6  | 99.7 | 99.7  | 99.8  | 99.8 | 99.9  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

43263

MOSULP-0 KOREA/CHEJU-DO ROK K-39

55-67

MA-

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY, STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
|                 | ≥ 10                      | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ 1/2 | ≥ 3/8 | ≥ 1/4 |
| NO CEILING      | 33.6                      | 35.6 | 36.1 | 36.2 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6  | 36.6  | 36.6  | 36.6  |
| ≥ 20000         | 42.3                      | 45.1 | 45.6 | 45.7 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1  | 46.1  | 46.1  | 46.1  |
| 18000           | 42.6                      | 45.7 | 46.2 | 46.3 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7  | 46.7  | 46.7  | 46.7  |
| 16000           | 43.3                      | 46.1 | 46.6 | 46.7 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1  | 47.1  | 47.1  | 47.1  |
| 14000           | 45.0                      | 47.9 | 48.4 | 48.6 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1  | 49.1  | 49.1  | 49.1  |
| 12000           | 49.1                      | 52.5 | 53.0 | 53.2 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8  | 53.8  | 53.8  | 53.8  |
| 10000           | 51.1                      | 55.3 | 55.7 | 56.0 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6  | 56.6  | 56.6  | 56.6  |
| 9000            | 51.3                      | 55.4 | 55.9 | 56.2 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  | 56.7  | 56.7  | 56.7  |
| 8000            | 52.5                      | 57.2 | 57.9 | 58.1 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7  | 58.7  | 58.7  | 58.7  |
| 7000            | 53.0                      | 57.9 | 58.9 | 59.1 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7  | 59.7  | 59.7  | 59.7  |
| 6000            | 54.5                      | 59.4 | 60.4 | 60.6 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2  | 61.2  | 61.2  | 61.2  |
| 5000            | 57.7                      | 62.6 | 63.6 | 63.9 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  | 64.4  | 64.4  | 64.4  |
| 4500            | 60.7                      | 66.6 | 67.6 | 67.8 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4  | 68.4  | 68.4  | 68.4  |
| 4000            | 65.2                      | 73.0 | 74.6 | 74.9 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7  | 75.8  | 75.8  | 75.8  |
| 3500            | 67.5                      | 77.4 | 79.0 | 79.3 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 | 80.3  | 80.5  | 80.5  | 80.5  |
| 3000            | 72.3                      | 84.9 | 86.4 | 87.1 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1  | 88.3  | 88.3  | 88.3  |
| 2500            | 73.6                      | 89.0 | 90.8 | 91.0 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8  | 93.0  | 93.0  | 93.0  |
| 2000            | 73.8                      | 89.8 | 92.2 | 93.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1  | 95.3  | 95.3  | 95.3  |
| 1800            | 73.8                      | 89.9 | 92.3 | 93.8 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4  | 95.5  | 95.5  | 95.5  |
| 1500            | 74.3                      | 91.0 | 93.5 | 95.0 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7  | 96.9  | 96.9  | 96.9  |
| 1200            | 74.3                      | 91.0 | 93.8 | 95.5 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1  | 97.3  | 97.3  | 97.3  |
| 1000            | 74.3                      | 91.1 | 94.0 | 95.6 | 96.9 | 96.9 | 97.2 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4  | 97.5  | 97.5  | 97.5  |
| 900             | 74.3                      | 91.2 | 94.0 | 95.7 | 97.0 | 97.1 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5  | 97.7  | 97.7  | 97.7  |
| 800             | 74.3                      | 91.3 | 94.1 | 95.9 | 97.3 | 97.4 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8  | 97.9  | 97.9  | 97.9  |
| 700             | 74.3                      | 91.3 | 94.1 | 95.9 | 97.3 | 97.4 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8  | 98.0  | 98.0  | 98.0  |
| 600             | 74.3                      | 91.3 | 94.2 | 96.3 | 97.8 | 97.8 | 98.1 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5  | 98.7  | 98.7  | 98.7  |
| 500             | 74.3                      | 91.4 | 94.3 | 96.4 | 97.9 | 98.0 | 98.6 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0  | 99.3  | 99.3  | 99.3  |
| 400             | 74.3                      | 91.4 | 94.3 | 96.4 | 97.9 | 98.1 | 98.7 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1  | 99.3  | 99.3  | 99.4  |
| 300             | 74.3                      | 91.4 | 94.3 | 96.4 | 97.9 | 98.1 | 98.8 | 98.9 | 98.9 | 99.2 | 99.2 | 99.2  | 99.5  | 99.5  | 99.6  |
| 200             | 74.3                      | 91.4 | 94.3 | 96.4 | 97.9 | 98.1 | 98.8 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.8  |
| 100             | 74.3                      | 91.4 | 94.3 | 96.4 | 97.9 | 98.1 | 98.8 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.8  |
| 0               | 74.3                      | 91.4 | 94.3 | 96.4 | 97.9 | 98.1 | 98.8 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

40263  
STATION

MDSLLP-D KORFA/CHEJL-00 RCK V-3"  
STATION NAME

55-67  
YEAR

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
TIME

| CEILING<br>FEET      | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |      |      |       |      |       |      |       |
|----------------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|
|                      | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ .05 |
| NO CEILING<br>≥ 2000 | 29.7                     | 32.3 | 32.7 | 32.7 | 32.7 | 32.7  | 32.7 | 32.7  | 32.7 | 32.7 | 32.7 | 32.7  | 32.7 | 32.7  | 32.7 | 32.7  |
| ≥ 13000<br>N 16000   | 41.3                     | 44.6 | 45.0 | 45.0 | 45.0 | 45.0  | 45.0 | 45.0  | 45.0 | 45.0 | 45.0 | 45.0  | 45.0 | 45.1  | 45.1 | 45.1  |
| ≥ 14000<br>N 12000   | 43.4                     | 48.1 | 48.5 | 48.5 | 48.6 | 48.6  | 48.6 | 48.6  | 48.6 | 48.6 | 48.6 | 48.6  | 48.6 | 48.6  | 48.6 | 48.6  |
| ≥ 10000<br>N 9000    | 49.7                     | 55.5 | 55.9 | 55.9 | 56.0 | 56.0  | 56.0 | 56.0  | 56.0 | 56.0 | 56.0 | 56.0  | 56.0 | 56.1  | 56.1 | 56.1  |
| ≥ 8000<br>N 7000     | 51.4                     | 58.1 | 58.6 | 58.6 | 58.6 | 58.6  | 58.6 | 58.6  | 58.6 | 58.6 | 58.6 | 58.6  | 58.6 | 58.7  | 58.7 | 58.7  |
| ≥ 6000<br>N 5000     | 53.2                     | 60.3 | 60.8 | 61.0 | 61.1 | 61.1  | 61.1 | 61.1  | 61.1 | 61.2 | 61.2 | 61.2  | 61.2 | 61.3  | 61.3 | 61.3  |
| ≥ 4500<br>N 4000     | 58.6                     | 67.4 | 67.9 | 68.1 | 68.2 | 68.2  | 68.2 | 68.2  | 68.2 | 68.3 | 68.3 | 68.3  | 68.3 | 68.4  | 68.4 | 68.4  |
| ≥ 3500<br>N 3000     | 64.2                     | 79.0 | 80.1 | 80.6 | 81.0 | 81.0  | 81.1 | 81.1  | 81.1 | 81.1 | 81.1 | 81.1  | 81.1 | 81.2  | 81.2 | 81.2  |
| ≥ 2500<br>N 2000     | 69.5                     | 89.3 | 91.1 | 92.2 | 92.8 | 92.8  | 92.9 | 92.9  | 92.9 | 93.0 | 93.0 | 93.0  | 93.0 | 93.1  | 93.1 | 93.1  |
| ≥ 1800<br>N 1500     | 70.1                     | 90.9 | 93.4 | 95.1 | 95.7 | 95.7  | 95.8 | 95.8  | 95.8 | 95.9 | 95.9 | 95.9  | 95.9 | 96.0  | 96.0 | 96.0  |
| ≥ 1200<br>N 1000     | 70.3                     | 91.8 | 94.6 | 96.4 | 96.9 | 96.9  | 97.3 | 97.3  | 97.3 | 97.4 | 97.5 | 97.5  | 97.5 | 97.7  | 97.7 | 97.7  |
| ≥ 900<br>N 800       | 70.5                     | 92.1 | 94.9 | 96.6 | 97.2 | 97.2  | 97.5 | 97.5  | 97.5 | 97.7 | 97.7 | 97.7  | 97.7 | 97.9  | 97.9 | 97.9  |
| ≥ 700<br>N 600       | 70.6                     | 92.2 | 95.1 | 96.9 | 97.5 | 97.5  | 97.9 | 97.9  | 97.9 | 98.1 | 98.2 | 98.2  | 98.2 | 98.3  | 98.3 | 98.3  |
| ≥ 500<br>N 400       | 70.6                     | 92.2 | 95.2 | 97.3 | 98.0 | 98.0  | 98.5 | 98.6  | 98.6 | 99.0 | 99.1 | 99.1  | 99.1 | 99.3  | 99.3 | 99.3  |
| ≥ 300<br>N 200       | 70.6                     | 92.2 | 95.2 | 97.3 | 98.0 | 98.3  | 98.8 | 98.9  | 98.9 | 99.5 | 99.6 | 99.6  | 99.6 | 99.8  | 99.8 | 99.8  |
| ≥ 100<br>N 0         | 70.6                     | 92.2 | 95.2 | 97.3 | 98.0 | 98.3  | 98.8 | 98.9  | 98.9 | 99.5 | 99.6 | 99.6  | 99.6 | 99.8  | 99.8 | 99.8  |

TOTAL NUMBER OF OBSERVATIONS 1209



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28001

# CEILING VERSUS VISIBILITY

43263  
STATION

MESLLP-D KORLA/CHEJU-DC ROK K-39  
STATION NAME

55-07  
YEARS

PA

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 25.7                     | 39.5 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9  | 39.9 | 39.9  | 39.9  | 39.9  |
| ≥ 20000         | 29.9                     | 47.2 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6  | 47.6 | 47.6  | 47.6  | 47.6  |
| IV 18000        | 30.8                     | 48.1 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5  | 48.5 | 48.5  | 48.5  | 48.5  |
| IV 16000        | 31.8                     | 49.5 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9  | 49.9 | 49.9  | 49.9  | 49.9  |
| IV 14000        | 33.2                     | 51.3 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7  | 51.7 | 51.7  | 51.7  | 51.7  |
| IV 12000        | 34.5                     | 53.8 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2  | 54.2 | 54.2  | 54.2  | 54.2  |
| IV 10000        | 35.4                     | 55.7 | 56.3 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5  | 56.5 | 56.5  | 56.5  | 56.5  |
| IV 9000         | 35.4                     | 55.8 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6  | 56.6 | 56.6  | 56.6  | 56.6  |
| IV 8000         | 37.8                     | 59.6 | 60.1 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3  | 60.3 | 60.3  | 60.3  | 60.3  |
| IV 7000         | 38.0                     | 59.9 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6  | 60.6 | 60.6  | 60.6  | 60.6  |
| IV 6000         | 38.0                     | 60.4 | 61.0 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3  | 61.3 | 61.3  | 61.3  | 61.3  |
| IV 5000         | 42.2                     | 63.0 | 63.6 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0  | 64.0 | 64.0  | 64.0  | 64.0  |
| IV 4500         | 41.4                     | 65.4 | 66.0 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4  | 66.4 | 66.4  | 66.4  | 66.4  |
| IV 4000         | 44.1                     | 71.3 | 72.1 | 72.7 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8  | 72.8 | 72.8  | 72.8  | 72.8  |
| IV 3500         | 45.3                     | 75.3 | 76.3 | 77.0 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2  | 77.2 | 77.2  | 77.2  | 77.2  |
| IV 3000         | 50.5                     | 85.1 | 86.4 | 87.3 | 87.3 | 87.3 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6  | 87.6 | 87.6  | 87.6  | 87.6  |
| IV 2500         | 51.0                     | 87.8 | 89.7 | 91.0 | 91.2 | 91.2 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5  | 91.5 | 91.5  | 91.5  | 91.5  |
| IV 2000         | 51.7                     | 90.0 | 92.2 | 94.3 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2  | 95.2 | 95.2  | 95.2  | 95.2  |
| IV 1800         | 51.7                     | 90.2 | 92.5 | 94.6 | 95.2 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5  | 95.5 | 95.5  | 95.5  | 95.5  |
| IV 1500         | 51.8                     | 90.7 | 93.0 | 95.1 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2  | 96.3 | 96.3  | 96.3  | 96.3  |
| IV 1200         | 51.8                     | 90.7 | 93.1 | 95.2 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8  | 96.9 | 96.9  | 96.9  | 96.9  |
| IV 1000         | 51.8                     | 90.7 | 93.1 | 95.3 | 96.4 | 96.4 | 96.8 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2  | 97.3 | 97.3  | 97.3  | 97.3  |
| IV 900          | 51.8                     | 90.7 | 93.1 | 95.3 | 96.4 | 96.5 | 96.9 | 97.0 | 97.0 | 97.4 | 97.4 | 97.4  | 97.5 | 97.5  | 97.5  | 97.5  |
| IV 800          | 51.8                     | 90.8 | 93.1 | 95.4 | 96.5 | 96.6 | 97.3 | 97.4 | 97.4 | 97.8 | 97.8 | 97.8  | 97.8 | 97.8  | 97.8  | 97.8  |
| IV 700          | 51.8                     | 90.8 | 93.2 | 95.5 | 96.8 | 96.9 | 97.6 | 97.7 | 97.8 | 98.3 | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3  |
| IV 600          | 51.8                     | 90.8 | 93.3 | 95.6 | 96.9 | 97.2 | 97.9 | 98.2 | 98.3 | 98.9 | 98.9 | 98.9  | 99.1 | 99.1  | 99.1  | 99.1  |
| IV 500          | 51.8                     | 90.8 | 93.3 | 95.8 | 97.1 | 97.4 | 98.4 | 98.7 | 98.8 | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 400          | 51.8                     | 90.8 | 93.3 | 95.8 | 97.1 | 97.4 | 98.4 | 98.7 | 98.8 | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 300          | 51.8                     | 90.8 | 93.3 | 95.8 | 97.1 | 97.4 | 98.4 | 98.7 | 98.8 | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 200          | 51.8                     | 90.8 | 93.3 | 95.8 | 97.1 | 97.4 | 98.4 | 98.7 | 98.8 | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 100          | 51.8                     | 90.8 | 93.3 | 95.8 | 97.1 | 97.4 | 98.4 | 98.7 | 98.8 | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 0            | 51.8                     | 90.8 | 93.3 | 95.8 | 97.1 | 97.4 | 98.4 | 98.7 | 98.8 | 99.6 | 99.6 | 99.6  | 99.8 | 99.8  | 99.8  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSULP-0 KOREA/CHEJU-00 OK K-39

55-7

FAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-300

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |       |       |       |       |        |        |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|-------|-------|-------|--------|--------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.5 | ≥ 0.3 | ≥ 0.2 | ≥ 0.1 | ≥ 0.05 | ≥ 0.01 |
| NO CEILING      | 19.9                       | 43.4 | 43.8 | 43.8 | 43.8 | 43.8  | 43.8 | 43.8  | 43.8 | 43.8  | 43.8  | 43.8  | 43.8  | 43.8   | 43.8   |
| ≥ 20000         | 21.2                       | 49.2 | 49.6 | 49.6 | 49.6 | 49.6  | 49.6 | 49.6  | 49.6 | 49.6  | 49.6  | 49.6  | 49.6  | 49.6   | 49.6   |
| ≥ 18000         | 21.2                       | 49.2 | 49.6 | 49.6 | 49.6 | 49.6  | 49.6 | 49.6  | 49.6 | 49.6  | 49.6  | 49.6  | 49.6  | 49.6   | 49.6   |
| ≥ 16000         | 21.6                       | 50.0 | 50.5 | 50.5 | 50.5 | 50.5  | 50.5 | 50.5  | 50.5 | 50.5  | 50.5  | 50.5  | 50.5  | 50.5   | 50.5   |
| ≥ 14000         | 21.9                       | 51.4 | 51.8 | 51.8 | 51.8 | 51.8  | 51.8 | 51.8  | 51.8 | 51.8  | 51.8  | 51.8  | 51.8  | 51.8   | 51.8   |
| ≥ 12000         | 23.6                       | 54.1 | 54.7 | 54.8 | 54.8 | 54.8  | 54.8 | 54.8  | 54.8 | 54.8  | 54.8  | 54.8  | 54.8  | 54.8   | 54.8   |
| ≥ 10000         | 24.2                       | 55.8 | 56.4 | 56.5 | 56.6 | 56.6  | 56.6 | 56.6  | 56.6 | 56.6  | 56.6  | 56.6  | 56.6  | 56.6   | 56.6   |
| ≥ 9000          | 24.4                       | 56.7 | 57.2 | 57.3 | 57.4 | 57.4  | 57.4 | 57.4  | 57.4 | 57.4  | 57.4  | 57.4  | 57.4  | 57.4   | 57.4   |
| ≥ 8000          | 25.2                       | 58.4 | 59.1 | 59.1 | 59.2 | 59.2  | 59.2 | 59.2  | 59.2 | 59.2  | 59.2  | 59.2  | 59.2  | 59.2   | 59.2   |
| ≥ 7000          | 25.4                       | 59.1 | 59.8 | 59.9 | 60.0 | 60.0  | 60.0 | 60.0  | 60.0 | 60.0  | 60.0  | 60.0  | 60.0  | 60.0   | 60.0   |
| ≥ 6000          | 26.1                       | 60.7 | 61.4 | 61.5 | 61.5 | 61.5  | 61.5 | 61.5  | 61.5 | 61.5  | 61.5  | 61.5  | 61.5  | 61.5   | 61.5   |
| ≥ 5000          | 28.6                       | 63.4 | 64.4 | 64.4 | 64.5 | 64.5  | 64.5 | 64.5  | 64.5 | 64.5  | 64.5  | 64.5  | 64.5  | 64.5   | 64.5   |
| ≥ 4500          | 28.6                       | 65.7 | 66.6 | 66.7 | 66.7 | 66.7  | 66.7 | 66.7  | 66.7 | 66.7  | 66.7  | 66.7  | 66.7  | 66.7   | 66.7   |
| ≥ 4000          | 31.3                       | 72.5 | 73.6 | 73.8 | 73.9 | 73.9  | 73.9 | 73.9  | 73.9 | 73.9  | 73.9  | 73.9  | 73.9  | 73.9   | 73.9   |
| ≥ 3500          | 31.9                       | 76.0 | 77.6 | 77.8 | 77.8 | 77.9  | 77.9 | 77.9  | 77.9 | 77.9  | 77.9  | 77.9  | 77.9  | 77.9   | 77.9   |
| ≥ 3000          | 35.8                       | 84.2 | 86.3 | 86.9 | 87.1 | 87.1  | 87.3 | 87.3  | 87.3 | 87.3  | 87.3  | 87.3  | 87.3  | 87.3   | 87.3   |
| ≥ 2500          | 37.0                       | 87.8 | 91.0 | 92.1 | 92.6 | 92.6  | 92.9 | 92.9  | 92.9 | 92.9  | 92.9  | 92.9  | 92.9  | 92.9   | 92.9   |
| ≥ 2000          | 37.1                       | 89.3 | 92.6 | 94.2 | 95.1 | 95.1  | 95.6 | 95.6  | 95.6 | 95.6  | 95.6  | 95.6  | 95.6  | 95.6   | 95.6   |
| ≥ 1800          | 37.1                       | 89.3 | 92.6 | 94.6 | 95.6 | 95.6  | 96.1 | 96.1  | 96.1 | 96.1  | 96.1  | 96.1  | 96.1  | 96.1   | 96.1   |
| ≥ 1500          | 37.1                       | 89.6 | 92.9 | 95.0 | 96.1 | 96.1  | 96.7 | 96.7  | 96.7 | 96.7  | 96.7  | 96.7  | 96.7  | 96.7   | 96.7   |
| ≥ 1200          | 37.1                       | 89.6 | 92.9 | 95.2 | 96.7 | 96.7  | 97.3 | 97.3  | 97.3 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5   | 97.5   |
| ≥ 1000          | 37.1                       | 89.7 | 93.0 | 95.5 | 97.0 | 97.0  | 97.7 | 97.7  | 97.7 | 98.2  | 98.2  | 98.2  | 98.2  | 98.2   | 98.2   |
| ≥ 900           | 37.1                       | 89.7 | 93.0 | 95.5 | 97.1 | 97.1  | 97.8 | 97.8  | 97.8 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3   | 98.3   |
| ≥ 800           | 37.1                       | 89.7 | 93.1 | 95.6 | 97.2 | 97.3  | 98.0 | 98.0  | 98.0 | 98.6  | 98.6  | 98.6  | 98.6  | 98.6   | 98.6   |
| ≥ 700           | 37.1                       | 89.7 | 93.2 | 95.9 | 97.4 | 97.5  | 98.3 | 98.3  | 98.3 | 98.9  | 98.9  | 98.9  | 98.9  | 98.9   | 98.9   |
| ≥ 600           | 37.1                       | 89.8 | 93.3 | 95.9 | 97.5 | 97.6  | 98.3 | 98.4  | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2   |
| ≥ 500           | 37.1                       | 89.8 | 93.3 | 96.0 | 97.7 | 97.8  | 98.5 | 98.7  | 98.7 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6   | 99.6   |
| ≥ 400           | 37.1                       | 89.8 | 93.3 | 96.0 | 97.7 | 97.8  | 98.6 | 98.8  | 98.8 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7   | 99.7   |
| ≥ 300           | 37.1                       | 89.8 | 93.3 | 96.0 | 97.7 | 97.8  | 98.6 | 98.8  | 98.8 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7   | 99.7   |
| ≥ 200           | 37.1                       | 89.8 | 93.3 | 96.0 | 97.7 | 97.8  | 98.6 | 98.8  | 98.8 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7   | 99.7   |
| ≥ 100           | 37.1                       | 89.8 | 93.3 | 96.0 | 97.7 | 97.8  | 98.6 | 98.8  | 98.8 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7   | 99.7   |
| ≥ 0             | 37.1                       | 89.8 | 93.3 | 96.0 | 97.7 | 97.8  | 98.6 | 98.8  | 98.8 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7   | 99.7   |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSLLP-C KOREA/CHEJU-DG ROK K-37

55-07

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |        |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .001 |
| NO CEILING      | 17.7                     | 34.8 | 35.2 | 35.6 | 35.8 | 35.8  | 35.8 | 35.8  | 35.8 | 35.8  | 35.8 | 35.8  | 35.8 | 35.8  | 35.8  | 35.8   |
| ≥ 20000         | 19.6                     | 42.2 | 42.6 | 43.1 | 43.2 | 43.2  | 43.2 | 43.2  | 43.2 | 43.2  | 43.2 | 43.2  | 43.2 | 43.2  | 43.2  | 43.2   |
| ≥ 18000         | 19.7                     | 42.7 | 43.2 | 43.6 | 43.8 | 43.8  | 43.8 | 43.8  | 43.8 | 43.8  | 43.8 | 43.8  | 43.8 | 43.8  | 43.8  | 43.8   |
| ≥ 16000         | 20.2                     | 43.5 | 43.9 | 44.4 | 44.5 | 44.5  | 44.5 | 44.5  | 44.5 | 44.5  | 44.5 | 44.5  | 44.5 | 44.5  | 44.5  | 44.5   |
| ≥ 14000         | 21.2                     | 45.1 | 45.6 | 46.0 | 46.2 | 46.2  | 46.2 | 46.2  | 46.2 | 46.2  | 46.2 | 46.2  | 46.2 | 46.2  | 46.2  | 46.2   |
| ≥ 12000         | 22.3                     | 48.3 | 48.8 | 49.2 | 49.4 | 49.4  | 49.4 | 49.4  | 49.4 | 49.4  | 49.4 | 49.4  | 49.4 | 49.4  | 49.4  | 49.4   |
| ≥ 10000         | 23.5                     | 52.4 | 53.0 | 53.7 | 53.8 | 53.8  | 53.8 | 53.8  | 53.8 | 53.8  | 53.8 | 53.8  | 53.8 | 53.8  | 53.8  | 53.8   |
| ≥ 9000          | 23.5                     | 52.4 | 52.1 | 53.8 | 53.9 | 53.9  | 53.9 | 53.9  | 53.9 | 53.9  | 53.9 | 53.9  | 53.9 | 53.9  | 53.9  | 53.9   |
| ≥ 8000          | 24.2                     | 54.1 | 54.8 | 55.6 | 55.8 | 55.8  | 55.9 | 55.9  | 55.9 | 55.9  | 55.9 | 55.9  | 55.9 | 55.9  | 55.9  | 55.9   |
| ≥ 7000          | 24.4                     | 54.6 | 55.3 | 56.2 | 56.3 | 56.3  | 56.4 | 56.4  | 56.4 | 56.4  | 56.4 | 56.4  | 56.4 | 56.4  | 56.4  | 56.4   |
| ≥ 6000          | 25.0                     | 56.9 | 57.7 | 58.5 | 58.7 | 58.7  | 58.8 | 58.8  | 58.8 | 58.8  | 58.8 | 58.8  | 58.8 | 58.8  | 58.8  | 58.8   |
| ≥ 5500          | 25.9                     | 59.1 | 60.3 | 61.1 | 61.3 | 61.3  | 61.4 | 61.4  | 61.4 | 61.4  | 61.4 | 61.4  | 61.4 | 61.4  | 61.4  | 61.4   |
| ≥ 4500          | 26.2                     | 60.9 | 62.2 | 63.3 | 63.5 | 63.5  | 63.6 | 63.6  | 63.6 | 63.6  | 63.6 | 63.6  | 63.6 | 63.6  | 63.6  | 63.6   |
| ≥ 4000          | 27.5                     | 65.3 | 66.7 | 67.9 | 68.2 | 68.2  | 68.3 | 68.3  | 68.3 | 68.3  | 68.3 | 68.3  | 68.3 | 68.3  | 68.3  | 68.3   |
| IV 3500         | 28.3                     | 67.9 | 69.3 | 70.6 | 71.0 | 71.0  | 71.2 | 71.2  | 71.3 | 71.3  | 71.3 | 71.3  | 71.3 | 71.3  | 71.3  | 71.3   |
| IV 3000         | 29.4                     | 71.9 | 73.8 | 75.5 | 76.1 | 76.1  | 76.2 | 76.2  | 76.2 | 76.3  | 76.3 | 76.3  | 76.3 | 76.4  | 76.4  | 76.4   |
| IV 2500         | 29.7                     | 75.3 | 77.9 | 80.6 | 82.1 | 82.1  | 82.4 | 82.4  | 82.4 | 82.5  | 82.5 | 82.5  | 82.5 | 82.6  | 82.6  | 82.6   |
| IV 2000         | 29.7                     | 77.0 | 80.3 | 83.3 | 85.3 | 85.3  | 85.7 | 85.7  | 85.7 | 85.8  | 85.8 | 85.8  | 85.8 | 85.9  | 85.9  | 85.9   |
| IV 1800         | 29.7                     | 77.4 | 80.6 | 83.7 | 85.6 | 85.6  | 86.2 | 86.2  | 86.2 | 86.3  | 86.3 | 86.3  | 86.3 | 86.4  | 86.4  | 86.4   |
| IV 1500         | 29.7                     | 78.0 | 81.9 | 85.5 | 87.5 | 87.5  | 88.6 | 88.6  | 88.6 | 89.1  | 89.1 | 89.1  | 89.1 | 89.2  | 89.2  | 89.2   |
| IV 1200         | 29.7                     | 78.5 | 82.6 | 87.3 | 89.7 | 89.7  | 91.0 | 91.0  | 91.0 | 91.5  | 91.8 | 91.9  | 92.2 | 92.2  | 92.2  | 92.2   |
| IV 1000         | 29.7                     | 78.8 | 83.1 | 87.9 | 90.6 | 90.6  | 92.1 | 92.1  | 92.1 | 93.7  | 93.9 | 94.1  | 94.4 | 94.4  | 94.4  | 94.4   |
| IV 900          | 29.7                     | 78.8 | 83.1 | 88.1 | 90.8 | 90.8  | 92.2 | 92.4  | 92.4 | 93.9  | 94.6 | 94.8  | 95.3 | 95.3  | 95.3  | 95.3   |
| IV 800          | 29.7                     | 79.1 | 83.4 | 88.6 | 91.3 | 91.3  | 93.1 | 93.2  | 93.2 | 94.9  | 95.7 | 95.9  | 96.5 | 96.6  | 96.6  | 96.6   |
| IV 700          | 29.7                     | 79.1 | 83.4 | 88.7 | 91.4 | 91.4  | 93.3 | 93.5  | 93.5 | 95.2  | 96.2 | 96.3  | 97.1 | 97.2  | 97.2  | 97.2   |
| IV 600          | 29.7                     | 79.1 | 83.4 | 88.9 | 91.5 | 91.5  | 93.8 | 93.9  | 93.9 | 95.7  | 96.7 | 96.8  | 97.7 | 97.8  | 97.9  | 97.9   |
| IV 500          | 29.7                     | 79.1 | 83.4 | 88.9 | 91.6 | 91.6  | 93.9 | 94.1  | 94.1 | 96.1  | 97.0 | 97.2  | 98.3 | 98.4  | 98.5  | 98.5   |
| IV 400          | 29.7                     | 79.1 | 83.4 | 88.9 | 91.6 | 91.6  | 94.0 | 94.2  | 94.2 | 96.2  | 97.4 | 97.5  | 98.6 | 98.7  | 98.9  | 98.9   |
| IV 300          | 29.7                     | 79.1 | 83.4 | 88.9 | 91.6 | 91.6  | 94.0 | 94.2  | 94.2 | 96.2  | 97.4 | 97.5  | 98.6 | 98.7  | 99.1  | 99.4   |
| IV 200          | 29.7                     | 79.1 | 83.4 | 88.9 | 91.6 | 91.6  | 94.0 | 94.2  | 94.2 | 96.2  | 97.4 | 97.5  | 98.6 | 98.7  | 99.1  | 99.4   |
| IV 100          | 29.7                     | 79.1 | 83.4 | 88.9 | 91.6 | 91.6  | 94.0 | 94.2  | 94.2 | 96.2  | 97.4 | 97.5  | 98.6 | 98.7  | 99.3  | 99.7   |
| IV 0            | 29.7                     | 79.1 | 83.4 | 88.9 | 91.6 | 91.6  | 94.0 | 94.2  | 94.2 | 96.2  | 97.4 | 97.5  | 98.6 | 98.7  | 99.3  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MOSLLP-C KOREA/CHEJU-DC ROK P-30

55-67

APR

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-2500

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 1/8 |
| NO CEILING      | 17.8                       | 37.1 | 37.3 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4  | 37.4 | 37.4  | 37.4 | 37.4  |
| ≥ 20000         | 19.1                       | 43.1 | 43.2 | 43.3 | 43.3 | 43.3 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4  | 43.4 | 43.4  | 43.4 | 43.4  |
| IV 18000        | 19.1                       | 43.1 | 43.2 | 43.3 | 43.3 | 43.3 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4  | 43.4 | 43.4  | 43.4 | 43.4  |
| IV 16000        | 19.4                       | 43.3 | 43.5 | 43.6 | 43.6 | 43.6 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7  | 43.7 | 43.7  | 43.7 | 43.7  |
| IV 14000        | 20.2                       | 45.3 | 45.5 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6  | 45.6 | 45.6  | 45.6 | 45.6  |
| IV 12000        | 21.4                       | 48.5 | 49.0 | 49.1 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2  | 49.2 | 49.2  | 49.2 | 49.2  |
| IV 10000        | 23.2                       | 52.6 | 53.2 | 53.5 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7  | 53.7 | 53.7  |
| IV 9000         | 23.2                       | 52.6 | 53.3 | 53.6 | 53.7 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8  | 53.8 | 53.8  | 53.8 | 53.8  |
| IV 8000         | 24.0                       | 54.6 | 55.3 | 55.6 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8  | 55.8 | 55.8  | 55.8 | 55.8  |
| IV 7000         | 24.2                       | 55.1 | 55.8 | 56.1 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3  | 56.3 | 56.3  | 56.3 | 56.3  |
| IV 6000         | 24.5                       | 56.8 | 57.4 | 57.7 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9 | 57.9  | 57.9 | 57.9  |
| IV 5000         | 25.2                       | 58.8 | 59.5 | 60.0 | 60.2 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3  | 60.3 | 60.3  | 60.3 | 60.3  |
| IV 4500         | 25.3                       | 60.3 | 61.3 | 62.1 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6  | 62.6 | 62.6  | 62.6 | 62.6  |
| IV 4000         | 27.3                       | 64.5 | 65.8 | 66.8 | 67.1 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4  | 67.4 | 67.4  | 67.4 | 67.4  |
| IV 3500         | 28.4                       | 67.1 | 68.8 | 70.3 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1  | 71.1 | 71.2  | 71.2 | 71.2  |
| IV 3000         | 29.5                       | 72.0 | 74.4 | 76.3 | 77.1 | 77.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4  | 77.4 | 77.5  | 77.5 | 77.5  |
| IV 2500         | 30.0                       | 74.9 | 78.0 | 81.8 | 83.0 | 83.0 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5  | 83.6 | 83.6  | 83.7 | 83.7  |
| IV 2000         | 30.0                       | 76.2 | 80.0 | 83.9 | 85.6 | 85.6 | 86.3 | 86.3 | 86.3 | 86.7 | 86.7 | 86.7  | 86.8 | 86.8  | 86.9 | 86.9  |
| IV 1800         | 30.0                       | 76.6 | 80.3 | 84.3 | 86.1 | 86.1 | 86.8 | 86.8 | 86.8 | 87.3 | 87.3 | 87.3  | 87.4 | 87.4  | 87.5 | 87.5  |
| IV 1500         | 30.0                       | 77.1 | 81.4 | 85.3 | 87.4 | 87.5 | 88.5 | 88.5 | 88.5 | 89.1 | 89.2 | 89.2  | 89.3 | 89.3  | 89.5 | 89.5  |
| IV 1200         | 30.3                       | 77.5 | 81.9 | 86.2 | 88.8 | 88.9 | 90.0 | 90.0 | 90.0 | 90.8 | 90.9 | 90.9  | 91.0 | 91.0  | 91.2 | 91.2  |
| IV 1000         | 30.2                       | 77.8 | 82.6 | 87.1 | 90.3 | 90.3 | 91.5 | 91.7 | 91.7 | 92.8 | 93.0 | 93.1  | 93.3 | 93.3  | 93.5 | 93.5  |
| IV 900          | 30.2                       | 77.8 | 82.6 | 87.3 | 90.5 | 90.6 | 91.8 | 92.1 | 92.1 | 93.2 | 93.6 | 93.7  | 93.9 | 93.9  | 94.1 | 94.1  |
| IV 800          | 30.2                       | 77.8 | 82.6 | 87.3 | 90.5 | 90.6 | 92.1 | 92.5 | 92.5 | 93.8 | 94.4 | 94.5  | 94.9 | 95.0  | 95.2 | 95.2  |
| IV 700          | 30.2                       | 77.8 | 82.6 | 87.4 | 90.9 | 90.9 | 92.6 | 92.9 | 92.9 | 94.3 | 95.4 | 95.5  | 95.9 | 96.0  | 96.2 | 96.2  |
| IV 600          | 30.2                       | 77.8 | 82.6 | 87.4 | 91.0 | 91.1 | 92.7 | 93.2 | 93.2 | 94.7 | 95.9 | 96.0  | 96.7 | 96.8  | 97.0 | 97.0  |
| IV 500          | 30.2                       | 77.8 | 82.6 | 87.4 | 91.2 | 91.3 | 93.0 | 93.4 | 93.4 | 95.2 | 96.5 | 96.6  | 97.4 | 97.4  | 97.9 | 97.9  |
| IV 400          | 30.2                       | 77.8 | 82.6 | 87.4 | 91.2 | 91.4 | 93.2 | 93.6 | 93.6 | 95.4 | 96.7 | 96.8  | 97.6 | 97.7  | 98.3 | 98.4  |
| IV 300          | 30.2                       | 77.8 | 82.6 | 87.4 | 91.2 | 91.4 | 93.2 | 93.6 | 93.6 | 95.4 | 96.7 | 96.8  | 97.6 | 97.7  | 98.5 | 98.6  |
| IV 200          | 30.2                       | 77.8 | 82.6 | 87.4 | 91.2 | 91.4 | 93.2 | 93.6 | 93.6 | 95.4 | 96.7 | 96.8  | 97.7 | 97.8  | 98.5 | 98.6  |
| IV 100          | 30.2                       | 77.8 | 82.6 | 87.4 | 91.2 | 91.4 | 93.2 | 93.6 | 93.6 | 95.4 | 96.7 | 96.8  | 98.0 | 98.1  | 98.9 | 99.6  |
| IV 0            | 30.2                       | 77.8 | 82.6 | 87.4 | 91.2 | 91.4 | 93.2 | 93.6 | 93.6 | 95.4 | 96.7 | 96.8  | 98.0 | 98.1  | 98.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MSSULP-0 KOREA/CHEJU-DC RCK K-39

55-67

APM

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING      | 25.6                     | 30.6 | 30.8 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9   | 30.9 | 30.9 |
| ≥ 20000         | 32.8                     | 40.6 | 40.9 | 41.2 | 41.2 | 41.2 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3   | 41.3 | 41.3 |
| IV 18000        | 32.9                     | 40.9 | 41.1 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5   | 41.5 | 41.5 |
| IV 16000        | 33.4                     | 41.7 | 42.0 | 42.3 | 42.3 | 42.3 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4   | 42.4 | 42.4 |
| IV 14000        | 35.4                     | 44.1 | 44.4 | 44.7 | 44.7 | 44.7 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8   | 44.8 | 44.8 |
| IV 12000        | 38.7                     | 48.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6   | 49.6 | 49.6 |
| IV 10000        | 40.9                     | 52.7 | 53.3 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0   | 54.0 | 54.0 |
| IV 9000         | 42.9                     | 52.8 | 53.4 | 54.0 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1   | 54.1 | 54.1 |
| IV 8000         | 43.0                     | 56.9 | 57.7 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5   | 58.5 | 58.5 |
| IV 7000         | 43.5                     | 57.7 | 58.5 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2   | 59.2 | 59.2 |
| IV 6000         | 44.3                     | 58.9 | 59.7 | 60.4 | 60.4 | 60.4 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 | 60.5 |
| IV 5000         | 44.9                     | 60.3 | 61.5 | 62.3 | 62.4 | 62.4 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6   | 62.6 | 62.6 |
| IV 4500         | 45.5                     | 61.8 | 63.2 | 64.4 | 64.4 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6   | 64.6 | 64.6 |
| IV 4000         | 47.2                     | 64.4 | 65.8 | 67.1 | 67.2 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4   | 67.4 | 67.4 |
| IV 3500         | 48.5                     | 66.7 | 68.3 | 69.6 | 69.7 | 69.7 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2   | 70.2 | 70.2 |
| IV 3000         | 49.9                     | 70.3 | 72.6 | 74.2 | 74.8 | 74.9 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5   | 75.5 | 75.5 |
| IV 2500         | 50.9                     | 73.9 | 76.8 | 78.5 | 79.5 | 79.7 | 80.4 | 80.4 | 80.4 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8   | 80.8 | 80.9 |
| IV 2000         | 50.9                     | 75.0 | 78.3 | 80.4 | 82.0 | 82.1 | 83.0 | 83.1 | 83.1 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8   | 83.8 | 83.9 |
| IV 1800         | 50.9                     | 75.1 | 78.5 | 80.7 | 82.2 | 82.4 | 83.3 | 83.4 | 83.4 | 84.0 | 84.1 | 84.1 | 84.2 | 84.2   | 84.2 | 84.3 |
| IV 1500         | 51.0                     | 75.6 | 79.4 | 81.7 | 83.6 | 83.8 | 84.9 | 85.0 | 85.0 | 86.0 | 86.1 | 86.1 | 86.3 | 86.3   | 86.5 | 86.6 |
| IV 1200         | 51.0                     | 76.2 | 80.2 | 82.6 | 84.6 | 84.8 | 86.2 | 86.2 | 86.2 | 87.5 | 87.6 | 87.7 | 87.9 | 87.9   | 88.1 | 88.2 |
| IV 1000         | 51.1                     | 76.5 | 80.9 | 83.5 | 86.0 | 86.2 | 87.9 | 88.2 | 88.2 | 90.1 | 90.3 | 90.4 | 90.8 | 90.8   | 90.9 | 91.0 |
| IV 900          | 51.1                     | 76.5 | 80.9 | 83.6 | 86.1 | 86.3 | 88.0 | 88.3 | 88.3 | 90.3 | 90.6 | 90.7 | 91.1 | 91.1   | 91.3 | 91.4 |
| IV 800          | 51.1                     | 76.8 | 81.5 | 84.4 | 87.0 | 87.3 | 89.6 | 89.8 | 89.8 | 92.1 | 92.4 | 92.5 | 93.0 | 93.0   | 93.2 | 93.3 |
| IV 700          | 51.1                     | 76.9 | 81.7 | 84.6 | 87.3 | 87.5 | 90.2 | 90.4 | 90.4 | 92.6 | 93.1 | 93.2 | 93.8 | 93.8   | 94.0 | 94.1 |
| IV 600          | 51.1                     | 76.9 | 81.7 | 84.6 | 87.4 | 87.8 | 90.6 | 91.0 | 91.0 | 93.5 | 94.0 | 94.1 | 95.0 | 95.0   | 95.3 | 95.5 |
| IV 500          | 51.1                     | 76.9 | 81.7 | 84.6 | 87.5 | 87.9 | 90.8 | 91.5 | 91.5 | 93.9 | 94.7 | 94.8 | 96.2 | 96.3   | 96.8 | 96.9 |
| IV 400          | 51.1                     | 76.9 | 81.7 | 84.6 | 87.5 | 87.9 | 90.8 | 91.5 | 91.5 | 93.9 | 94.7 | 94.8 | 96.3 | 96.4   | 97.4 | 97.6 |
| IV 300          | 51.1                     | 77.0 | 81.8 | 84.7 | 87.6 | 87.9 | 90.9 | 91.5 | 91.5 | 94.0 | 94.9 | 95.0 | 96.7 | 96.8   | 97.9 | 98.2 |
| IV 200          | 51.1                     | 77.0 | 81.8 | 84.7 | 87.6 | 87.9 | 90.9 | 91.5 | 91.5 | 94.1 | 95.0 | 95.0 | 97.0 | 97.1   | 98.3 | 99.1 |
| IV 100          | 51.1                     | 77.0 | 81.8 | 84.7 | 87.6 | 87.9 | 90.9 | 91.5 | 91.5 | 94.1 | 95.0 | 95.0 | 97.0 | 97.1   | 98.4 | 99.4 |
| IV 0            | 51.1                     | 77.0 | 81.8 | 84.7 | 87.6 | 87.9 | 90.9 | 91.5 | 91.5 | 94.1 | 95.0 | 95.0 | 97.0 | 97.1   | 98.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSULP-C KOREA/CHEJU-DO ROK K-39

55-67

APR

STATION

STATION NAME

YEARS

PERIOD

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-110

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ 1/2 | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 27.6                     | 29.5 | 29.6 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7  | 29.7  | 29.7  | 29.7  | 29.7  |
| ≥ 20000         | 38.1                     | 41.2 | 41.5 | 41.6 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8  | 41.8  | 41.8  | 41.8  | 41.8  |
| ≥ 18000         | 38.1                     | 41.2 | 41.5 | 41.6 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8  | 41.8  | 41.8  | 41.8  | 41.8  |
| ≥ 16000         | 38.9                     | 42.1 | 42.3 | 42.5 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6  | 42.6  | 42.6  | 42.6  | 42.6  |
| ≥ 14000         | 41.2                     | 44.7 | 45.0 | 45.1 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3  | 45.3  | 45.3  | 45.3  | 45.3  |
| ≥ 12000         | 45.1                     | 49.3 | 49.7 | 49.9 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  |
| ≥ 10000         | 47.9                     | 53.0 | 53.4 | 53.6 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  |
| ≥ 9000          | 47.9                     | 53.0 | 53.5 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  |
| ≥ 8000          | 50.1                     | 56.8 | 57.4 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8  | 57.8  | 57.8  | 57.8  | 57.8  |
| ≥ 7000          | 50.5                     | 57.7 | 58.3 | 58.5 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6  | 58.6  | 58.6  | 58.6  | 58.6  |
| ≥ 6000          | 51.5                     | 59.0 | 59.6 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  |
| ≥ 5000          | 52.9                     | 60.8 | 61.4 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  |
| ≥ 4500          | 53.8                     | 62.6 | 63.5 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  |
| ≥ 4000          | 55.7                     | 66.1 | 67.1 | 67.8 | 68.0 | 68.0 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  |
| ≥ 3500          | 57.4                     | 68.8 | 70.2 | 71.2 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8  | 71.8  | 71.8  | 71.8  | 71.8  |
| ≥ 3000          | 58.8                     | 72.1 | 74.1 | 75.6 | 76.3 | 76.3 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7  | 76.7  | 76.7  | 76.7  | 76.7  |
| ≥ 2500          | 59.7                     | 74.3 | 76.7 | 78.5 | 79.4 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.8 | 79.8  | 79.9  | 79.9  | 79.9  | 79.9  |
| ≥ 2000          | 59.7                     | 76.0 | 78.6 | 80.6 | 81.6 | 81.6 | 82.1 | 82.1 | 82.1 | 82.5 | 82.6 | 82.6  | 82.7  | 82.7  | 82.7  | 82.7  |
| ≥ 1800          | 59.7                     | 76.2 | 78.9 | 80.9 | 81.9 | 81.9 | 82.4 | 82.4 | 82.4 | 82.7 | 82.9 | 82.9  | 83.0  | 83.0  | 83.0  | 83.0  |
| ≥ 1500          | 60.3                     | 77.3 | 80.3 | 82.5 | 84.0 | 84.0 | 84.6 | 84.8 | 84.8 | 85.6 | 86.1 | 86.1  | 86.2  | 86.2  | 86.2  | 86.2  |
| ≥ 1200          | 60.2                     | 77.9 | 81.1 | 83.3 | 84.9 | 85.0 | 85.8 | 86.0 | 86.0 | 87.0 | 87.4 | 87.4  | 87.5  | 87.5  | 87.6  | 87.6  |
| ≥ 1000          | 60.3                     | 79.0 | 82.5 | 84.8 | 86.6 | 86.7 | 87.7 | 87.9 | 87.9 | 89.7 | 90.4 | 90.4  | 90.8  | 91.0  | 91.1  | 91.1  |
| ≥ 900           | 60.3                     | 79.0 | 82.6 | 85.2 | 87.1 | 87.2 | 88.3 | 88.5 | 88.5 | 90.4 | 91.1 | 91.1  | 91.5  | 91.7  | 91.8  | 91.8  |
| ≥ 800           | 60.4                     | 79.6 | 83.3 | 86.2 | 88.2 | 88.3 | 89.9 | 90.2 | 90.2 | 92.1 | 92.8 | 92.8  | 93.4  | 93.7  | 93.8  | 93.8  |
| ≥ 700           | 60.4                     | 79.7 | 83.4 | 86.4 | 88.5 | 88.5 | 90.4 | 90.7 | 90.7 | 92.8 | 93.7 | 93.7  | 94.3  | 94.6  | 94.7  | 94.7  |
| ≥ 600           | 60.5                     | 80.0 | 83.8 | 86.8 | 89.1 | 89.2 | 91.5 | 91.7 | 91.7 | 93.9 | 94.8 | 94.8  | 95.9  | 96.2  | 96.3  | 96.4  |
| ≥ 500           | 60.5                     | 80.2 | 84.0 | 87.1 | 89.4 | 89.7 | 92.0 | 92.5 | 92.5 | 94.7 | 96.0 | 96.0  | 97.1  | 97.4  | 97.5  | 97.6  |
| ≥ 400           | 60.5                     | 80.2 | 84.0 | 87.1 | 89.4 | 89.7 | 92.0 | 92.5 | 92.5 | 94.7 | 96.0 | 96.0  | 97.3  | 97.7  | 97.8  | 97.9  |
| ≥ 300           | 60.5                     | 80.2 | 84.0 | 87.1 | 89.4 | 89.7 | 92.0 | 92.5 | 92.5 | 94.7 | 96.0 | 96.0  | 97.5  | 98.2  | 98.4  | 98.5  |
| ≥ 200           | 60.5                     | 80.2 | 84.0 | 87.1 | 89.4 | 89.7 | 92.0 | 92.5 | 92.5 | 94.7 | 96.0 | 96.0  | 97.8  | 98.5  | 98.7  | 98.9  |
| ≥ 100           | 60.5                     | 80.2 | 84.0 | 87.1 | 89.4 | 89.7 | 92.0 | 92.5 | 92.5 | 94.7 | 96.0 | 96.0  | 97.8  | 98.5  | 98.8  | 99.8  |
| ≥ 0             | 60.5                     | 80.2 | 84.0 | 87.1 | 89.4 | 89.7 | 92.0 | 92.5 | 92.5 | 94.7 | 96.0 | 96.0  | 97.8  | 98.5  | 98.8  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MGSLLP-C KGRCA/CHEJU-00 ROK R-39 55-67

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |      |       |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|------|-------|------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.2 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING      | 16.2                     | 28.0 | 28.0 | 28.0 | 28.0 | 28.0  | 28.0 | 28.0  | 28.0  | 28.0 | 28.0  | 28.0 | 28.0  | 28.0 | 28.0  | 28.0  |
| ≥ 20000         | 40.0                     | 43.2 | 43.6 | 43.7 | 43.8 | 43.8  | 43.8 | 43.8  | 43.8  | 43.8 | 43.8  | 43.8 | 43.8  | 43.8 | 43.8  | 43.8  |
| IV 18000        | 40.1                     | 43.3 | 43.7 | 43.8 | 43.9 | 43.9  | 43.9 | 43.9  | 43.9  | 43.9 | 43.9  | 43.9 | 43.9  | 43.9 | 43.9  | 43.9  |
| IV 16000        | 40.8                     | 44.0 | 44.4 | 44.4 | 44.6 | 44.6  | 44.6 | 44.6  | 44.6  | 44.6 | 44.6  | 44.6 | 44.6  | 44.6 | 44.6  | 44.6  |
| IV 14000        | 42.7                     | 46.1 | 46.4 | 46.6 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8  | 46.8 | 46.8  | 46.8 | 46.8  | 46.8 | 46.8  | 46.8  |
| IV 12000        | 46.3                     | 50.5 | 50.9 | 51.0 | 51.3 | 51.3  | 51.3 | 51.3  | 51.3  | 51.3 | 51.3  | 51.3 | 51.3  | 51.3 | 51.3  | 51.3  |
| IV 10000        | 49.0                     | 53.9 | 54.3 | 54.4 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7  | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  |
| IV 9000         | 49.0                     | 53.9 | 54.3 | 54.4 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7  | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  |
| IV 8000         | 51.5                     | 57.6 | 58.1 | 58.3 | 58.6 | 58.6  | 58.6 | 58.6  | 58.6  | 58.6 | 58.6  | 58.6 | 58.6  | 58.6 | 58.6  | 58.6  |
| IV 7000         | 52.0                     | 58.5 | 59.1 | 59.3 | 59.7 | 59.7  | 59.7 | 59.7  | 59.7  | 59.7 | 59.7  | 59.7 | 59.7  | 59.7 | 59.7  | 59.7  |
| IV 6000         | 52.9                     | 59.9 | 60.6 | 60.8 | 61.2 | 61.2  | 61.2 | 61.2  | 61.2  | 61.2 | 61.2  | 61.2 | 61.2  | 61.2 | 61.2  | 61.2  |
| IV 5000         | 53.9                     | 61.5 | 62.2 | 62.4 | 62.8 | 62.8  | 62.8 | 62.8  | 62.8  | 62.8 | 62.8  | 62.8 | 62.8  | 62.8 | 62.8  | 62.8  |
| IV 4500         | 55.3                     | 64.1 | 64.9 | 65.3 | 65.9 | 65.9  | 65.9 | 65.9  | 65.9  | 65.9 | 65.9  | 65.9 | 65.9  | 65.9 | 65.9  | 65.9  |
| IV 4000         | 57.5                     | 67.5 | 68.4 | 69.0 | 69.7 | 69.7  | 69.7 | 69.7  | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7  |
| IV 3500         | 58.8                     | 69.5 | 70.7 | 71.5 | 72.6 | 72.6  | 72.6 | 72.6  | 72.6  | 72.6 | 72.6  | 72.6 | 72.6  | 72.6 | 72.6  | 72.6  |
| IV 3000         | 60.5                     | 72.6 | 74.2 | 75.6 | 76.9 | 76.9  | 77.3 | 77.3  | 77.3  | 77.3 | 77.6  | 77.7 | 77.7  | 77.7 | 77.7  | 77.7  |
| IV 2500         | 61.6                     | 75.6 | 77.6 | 79.3 | 81.1 | 81.1  | 81.7 | 81.7  | 81.7  | 82.1 | 82.4  | 82.4 | 82.4  | 82.4 | 82.4  | 82.4  |
| IV 2000         | 62.1                     | 77.9 | 80.4 | 82.6 | 84.6 | 84.6  | 85.3 | 85.3  | 85.3  | 86.0 | 86.2  | 86.2 | 86.2  | 86.2 | 86.2  | 86.2  |
| IV 1800         | 62.1                     | 78.0 | 80.5 | 82.6 | 84.7 | 84.7  | 85.4 | 85.4  | 85.4  | 86.1 | 86.3  | 86.3 | 86.3  | 86.3 | 86.3  | 86.3  |
| IV 1500         | 62.4                     | 78.7 | 81.5 | 84.1 | 86.2 | 86.2  | 87.4 | 87.4  | 87.4  | 88.3 | 88.6  | 88.6 | 88.7  | 88.7 | 88.7  | 88.7  |
| IV 1200         | 62.6                     | 79.4 | 82.2 | 84.9 | 87.0 | 87.1  | 88.3 | 88.3  | 88.4  | 89.7 | 90.0  | 90.0 | 90.1  | 90.1 | 90.1  | 90.1  |
| IV 1000         | 63.1                     | 80.3 | 83.5 | 86.2 | 88.5 | 88.6  | 89.9 | 90.1  | 90.2  | 91.8 | 92.4  | 92.4 | 92.8  | 92.8 | 92.8  | 92.8  |
| IV 900          | 63.1                     | 80.5 | 83.8 | 86.4 | 88.9 | 89.0  | 90.3 | 90.5  | 90.6  | 92.2 | 92.8  | 92.8 | 93.3  | 93.3 | 93.3  | 93.3  |
| IV 800          | 63.1                     | 81.1 | 84.5 | 87.3 | 89.7 | 89.9  | 91.6 | 91.8  | 91.9  | 93.9 | 94.7  | 94.7 | 95.5  | 95.5 | 95.6  | 95.6  |
| IV 700          | 63.1                     | 81.1 | 84.5 | 87.3 | 89.9 | 90.2  | 91.9 | 92.1  | 92.2  | 94.4 | 95.2  | 95.2 | 96.2  | 96.2 | 96.4  | 96.4  |
| IV 600          | 63.1                     | 81.1 | 84.9 | 87.7 | 90.3 | 90.6  | 92.4 | 92.6  | 92.7  | 95.0 | 95.7  | 95.7 | 96.8  | 96.8 | 97.0  | 97.0  |
| IV 500          | 63.1                     | 81.1 | 84.9 | 87.9 | 90.6 | 90.9  | 92.7 | 93.1  | 93.2  | 95.6 | 96.6  | 96.6 | 97.8  | 97.8 | 98.1  | 98.1  |
| IV 400          | 63.1                     | 81.1 | 84.9 | 87.9 | 90.6 | 90.9  | 92.7 | 93.1  | 93.2  | 95.6 | 96.6  | 96.6 | 97.9  | 97.9 | 98.5  | 98.5  |
| IV 300          | 63.1                     | 81.1 | 84.9 | 87.9 | 90.6 | 90.9  | 92.7 | 93.1  | 93.2  | 95.6 | 96.6  | 96.6 | 97.9  | 97.9 | 99.0  | 99.4  |
| IV 200          | 63.1                     | 81.1 | 84.9 | 87.9 | 90.6 | 90.9  | 92.7 | 93.1  | 93.2  | 95.6 | 96.6  | 96.6 | 98.1  | 98.1 | 99.1  | 99.7  |
| IV 100          | 63.1                     | 81.1 | 84.9 | 87.9 | 90.6 | 90.9  | 92.7 | 93.1  | 93.2  | 95.6 | 96.6  | 96.6 | 98.2  | 98.2 | 99.2  | 99.9  |
| IV 0            | 63.1                     | 81.1 | 84.9 | 87.9 | 90.6 | 90.9  | 92.7 | 93.1  | 93.2  | 95.6 | 96.6  | 96.6 | 98.2  | 98.2 | 99.2  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

45263

MCSLLP-C KOREA/CHEJI-DC FCK A-39

55-67

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET       | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |      |       |      |       |       |
|-----------------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|------|-------|------|-------|-------|
|                       | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING<br>≥ 20000 | 26.6                     | 28.6 | 28.6 | 28.6 | 28.6 | 28.6  | 28.6 | 28.6  | 28.6  | 28.6 | 28.6  | 28.6 | 28.6  | 28.6 | 28.6  | 28.6  |
| IV 18000              | 39.1                     | 42.8 | 43.1 | 43.3 | 43.4 | 43.4  | 43.6 | 43.6  | 43.6  | 43.6 | 43.6  | 43.6 | 43.6  | 43.6 | 43.6  | 43.6  |
| IV 16000              | 40.1                     | 43.8 | 44.1 | 44.4 | 44.4 | 44.4  | 44.6 | 44.6  | 44.6  | 44.6 | 44.6  | 44.6 | 44.6  | 44.6 | 44.6  | 44.6  |
| IV 14000              | 41.1                     | 44.9 | 45.1 | 45.4 | 45.5 | 45.5  | 45.6 | 45.6  | 45.6  | 45.6 | 45.6  | 45.6 | 45.6  | 45.6 | 45.6  | 45.6  |
| IV 12000              | 44.3                     | 48.1 | 48.4 | 48.7 | 48.8 | 48.8  | 49.1 | 49.1  | 49.1  | 49.1 | 49.1  | 49.1 | 49.1  | 49.1 | 49.1  | 49.1  |
| IV 10000              | 48.2                     | 53.2 | 53.5 | 53.8 | 53.9 | 53.9  | 54.2 | 54.2  | 54.2  | 54.2 | 54.2  | 54.2 | 54.2  | 54.2 | 54.2  | 54.2  |
| IV 9000               | 50.8                     | 56.9 | 57.2 | 57.7 | 57.8 | 57.8  | 58.0 | 58.0  | 58.0  | 58.0 | 58.0  | 58.0 | 58.0  | 58.0 | 58.0  | 58.0  |
| IV 8000               | 50.9                     | 57.0 | 57.3 | 57.8 | 57.9 | 57.9  | 58.1 | 58.1  | 58.1  | 58.1 | 58.1  | 58.1 | 58.1  | 58.1 | 58.1  | 58.1  |
| IV 7000               | 53.3                     | 60.5 | 60.8 | 61.4 | 61.5 | 61.5  | 61.7 | 61.7  | 61.7  | 61.7 | 61.7  | 61.7 | 61.7  | 61.7 | 61.7  | 61.7  |
| IV 6000               | 53.8                     | 61.3 | 61.5 | 62.1 | 62.2 | 62.2  | 62.5 | 62.5  | 62.5  | 62.5 | 62.5  | 62.5 | 62.5  | 62.5 | 62.5  | 62.5  |
| IV 5000               | 54.4                     | 62.6 | 63.0 | 63.7 | 63.9 | 63.9  | 64.2 | 64.2  | 64.2  | 64.2 | 64.2  | 64.2 | 64.2  | 64.2 | 64.2  | 64.2  |
| IV 4500               | 55.1                     | 63.5 | 64.0 | 64.7 | 65.0 | 65.0  | 65.3 | 65.3  | 65.3  | 65.3 | 65.3  | 65.3 | 65.3  | 65.3 | 65.3  | 65.3  |
| IV 4000               | 56.0                     | 64.8 | 65.4 | 66.1 | 66.6 | 66.6  | 66.8 | 66.8  | 66.8  | 66.8 | 66.8  | 66.8 | 66.8  | 66.8 | 66.8  | 66.8  |
| IV 3500               | 57.8                     | 67.9 | 68.6 | 69.4 | 69.9 | 69.9  | 70.3 | 70.3  | 70.3  | 70.3 | 70.3  | 70.3 | 70.3  | 70.3 | 70.3  | 70.3  |
| IV 3000               | 58.9                     | 71.0 | 71.9 | 72.9 | 73.5 | 73.5  | 73.8 | 73.8  | 73.8  | 73.8 | 73.8  | 73.8 | 73.8  | 73.8 | 73.8  | 73.8  |
| IV 2500               | 60.6                     | 75.3 | 76.8 | 78.1 | 78.9 | 78.9  | 79.2 | 79.2  | 79.2  | 79.2 | 79.2  | 79.2 | 79.2  | 79.2 | 79.2  | 79.2  |
| IV 2000               | 61.5                     | 78.5 | 80.7 | 82.3 | 83.2 | 83.2  | 83.8 | 83.8  | 83.8  | 83.8 | 83.8  | 83.8 | 83.8  | 83.8 | 83.8  | 83.8  |
| IV 1800               | 62.0                     | 79.7 | 82.1 | 84.2 | 85.5 | 85.5  | 86.2 | 86.2  | 86.2  | 86.2 | 86.8  | 86.9 | 86.9  | 86.9 | 86.9  | 86.9  |
| IV 1500               | 62.5                     | 81.0 | 83.7 | 86.1 | 87.4 | 87.4  | 88.7 | 88.7  | 88.7  | 88.7 | 89.7  | 89.9 | 89.9  | 90.0 | 90.0  | 90.0  |
| IV 1200               | 62.7                     | 81.8 | 84.5 | 87.0 | 88.3 | 88.3  | 89.7 | 89.7  | 89.7  | 89.7 | 90.8  | 91.1 | 91.1  | 91.2 | 91.2  | 91.2  |
| IV 1000               | 62.7                     | 81.9 | 85.0 | 87.7 | 89.5 | 89.5  | 90.9 | 90.9  | 90.9  | 90.9 | 92.3  | 92.8 | 92.8  | 93.0 | 93.0  | 93.0  |
| IV 900                | 62.7                     | 82.0 | 85.1 | 88.0 | 89.8 | 89.8  | 91.2 | 91.2  | 91.3  | 92.7 | 93.2  | 93.2 | 93.2  | 93.4 | 93.4  | 93.4  |
| IV 800                | 62.7                     | 82.6 | 85.9 | 88.8 | 90.7 | 90.7  | 92.2 | 92.2  | 92.3  | 94.4 | 95.0  | 95.0 | 95.0  | 95.3 | 95.4  | 95.4  |
| IV 700                | 62.7                     | 82.7 | 86.1 | 89.1 | 90.9 | 90.9  | 93.0 | 93.0  | 93.1  | 95.3 | 96.0  | 96.0 | 96.0  | 96.6 | 96.7  | 96.7  |
| IV 600                | 62.7                     | 82.7 | 86.1 | 89.1 | 90.9 | 90.9  | 93.3 | 93.3  | 93.4  | 95.8 | 96.5  | 96.5 | 96.5  | 97.4 | 97.4  | 97.5  |
| IV 500                | 62.7                     | 82.7 | 86.1 | 89.1 | 90.9 | 91.0  | 93.5 | 93.6  | 93.7  | 96.2 | 96.9  | 96.9 | 96.9  | 97.9 | 97.9  | 98.1  |
| IV 400                | 62.7                     | 82.7 | 86.1 | 89.1 | 90.9 | 91.0  | 93.5 | 93.6  | 93.7  | 96.2 | 97.1  | 97.1 | 97.1  | 98.3 | 98.4  | 98.7  |
| IV 300                | 62.7                     | 82.7 | 86.1 | 89.1 | 90.9 | 91.0  | 93.5 | 93.6  | 93.7  | 96.2 | 97.2  | 97.2 | 97.2  | 98.5 | 98.5  | 99.0  |
| IV 200                | 62.7                     | 82.7 | 86.1 | 89.1 | 90.9 | 91.0  | 93.5 | 93.6  | 93.7  | 96.2 | 97.2  | 97.2 | 97.2  | 98.5 | 98.5  | 99.0  |
| IV 100                | 62.7                     | 82.7 | 86.1 | 89.1 | 90.9 | 91.0  | 93.5 | 93.6  | 93.7  | 96.2 | 97.2  | 97.2 | 97.2  | 98.5 | 98.5  | 99.1  |
| IV 0                  | 62.7                     | 82.7 | 86.1 | 89.1 | 90.9 | 91.0  | 93.5 | 93.6  | 93.7  | 96.2 | 97.2  | 97.2 | 97.2  | 98.5 | 98.5  | 99.1  |

TOTAL NUMBER OF OBSERVATIONS 1170



DATA PROCESSING DIVISION  
ETAC, USAF  
ANNEVILLE, N. C. 28001

# CEILING VERSUS VISIBILITY

43263 MFSULP-F KQWFA/CHEJU-DC PER K-3) 55-57

27

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1960-1961

| CEILING<br>FEET | VISIBILITY STATUSES<br>MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | 0.3                          | 0.5  | 0.5  | 0.4  | 0.3  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| ≥ 3000          | 22.7                         | 32.2 | 32.5 | 32.5 | 32.6 | 32.6 | 2.7  | 32.7 | 32.7 | 32.9 | 32.9 | 32.9 | 33.0 | 33.0 | 33.1 | 33.1 |
| ≥ 2500          | 29.7                         | 42.3 | 42.7 | 42.8 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.3 | 43.3 | 43.3 | 43.4 | 43.4 | 43.5 | 43.5 |
| ≥ 2000          | 29.6                         | 42.5 | 42.9 | 43.0 | 43.2 | 43.2 | 43.3 | 43.3 | 43.3 | 43.5 | 43.5 | 43.5 | 43.6 | 43.6 | 43.7 | 43.7 |
| ≥ 1500          | 30.3                         | 43.2 | 43.7 | 43.8 | 43.9 | 43.9 | 44.1 | 44.1 | 44.1 | 44.3 | 44.3 | 44.3 | 44.4 | 44.4 | 44.4 | 44.4 |
| ≥ 1000          | 33.6                         | 46.9 | 47.4 | 47.4 | 47.6 | 47.6 | 47.8 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 48.0 | 48.0 | 48.1 | 48.1 |
| ≥ 800           | 36.8                         | 52.7 | 53.2 | 53.2 | 53.4 | 53.4 | 53.6 | 53.6 | 53.6 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.9 | 53.9 |
| ≥ 600           | 38.7                         | 56.8 | 57.4 | 57.5 | 57.7 | 57.7 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.3 | 58.3 |
| ≥ 400           | 38.7                         | 57.6 | 57.8 | 57.9 | 58.0 | 58.2 | 58.3 | 58.3 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 |
| ≥ 300           | 40.0                         | 60.3 | 61.4 | 61.5 | 61.6 | 61.6 | 61.9 | 61.9 | 61.9 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.2 | 62.2 |
| ≥ 200           | 40.3                         | 61.5 | 62.6 | 62.6 | 62.8 | 62.8 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.4 | 63.4 |
| ≥ 150           | 41.6                         | 62.7 | 63.8 | 64.0 | 64.2 | 64.2 | 64.4 | 64.4 | 64.4 | 64.6 | 64.6 | 64.6 | 64.7 | 64.7 | 64.8 | 64.8 |
| ≥ 100           | 41.2                         | 63.8 | 65.0 | 65.2 | 65.6 | 65.6 | 65.8 | 65.8 | 65.8 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1 | 66.2 | 66.2 |
| ≥ 75            | 41.3                         | 64.4 | 65.7 | 65.9 | 66.2 | 66.2 | 66.5 | 66.5 | 66.5 | 66.7 | 66.7 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 |
| ≥ 50            | 43.0                         | 67.7 | 69.3 | 69.6 | 70.0 | 70.0 | 70.5 | 70.5 | 70.5 | 70.7 | 70.7 | 70.7 | 70.8 | 70.8 | 70.9 | 70.9 |
| ≥ 25            | 43.3                         | 68.8 | 70.9 | 71.2 | 71.7 | 71.7 | 72.2 | 72.2 | 72.2 | 72.4 | 72.4 | 72.4 | 72.5 | 72.5 | 72.6 | 72.6 |
| ≥ 15            | 45.0                         | 73.2 | 76.2 | 76.6 | 77.1 | 77.1 | 77.6 | 77.6 | 77.6 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 |
| ≥ 10            | 46.2                         | 76.8 | 80.5 | 81.2 | 82.6 | 82.6 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.4 | 83.4 |
| ≥ 7.5           | 46.4                         | 78.3 | 82.2 | 83.2 | 85.0 | 85.0 | 85.7 | 85.7 | 85.7 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.4 | 86.4 |
| ≥ 5             | 46.4                         | 78.4 | 82.3 | 83.3 | 85.1 | 85.1 | 85.8 | 85.8 | 85.8 | 86.2 | 86.2 | 86.2 | 86.4 | 86.4 | 86.5 | 86.5 |
| ≥ 3.75          | 46.8                         | 79.4 | 83.8 | 85.1 | 86.9 | 86.9 | 88.2 | 88.3 | 88.3 | 89.4 | 89.6 | 89.6 | 89.8 | 89.8 | 89.9 | 89.9 |
| ≥ 2.5           | 46.8                         | 80.0 | 84.5 | 85.8 | 87.7 | 87.7 | 89.3 | 89.4 | 89.4 | 90.9 | 91.0 | 91.0 | 91.3 | 91.3 | 91.4 | 91.4 |
| ≥ 1.875         | 46.8                         | 80.3 | 85.2 | 86.9 | 89.2 | 89.2 | 90.9 | 91.0 | 91.0 | 92.6 | 92.7 | 92.7 | 93.1 | 93.1 | 93.2 | 93.2 |
| ≥ 1.5           | 46.8                         | 80.4 | 85.3 | 87.1 | 89.4 | 89.5 | 91.3 | 91.4 | 91.4 | 93.0 | 93.2 | 93.2 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 1.25          | 46.8                         | 80.7 | 85.6 | 87.4 | 89.7 | 89.7 | 91.8 | 92.0 | 92.0 | 93.7 | 94.0 | 94.0 | 94.8 | 94.9 | 95.0 | 95.0 |
| ≥ 1.0           | 46.8                         | 80.8 | 85.6 | 87.4 | 89.9 | 90.0 | 92.2 | 92.5 | 92.5 | 94.3 | 94.8 | 94.8 | 96.0 | 96.2 | 96.3 | 96.3 |
| ≥ 0.75          | 46.8                         | 80.8 | 85.7 | 87.5 | 90.1 | 90.3 | 92.8 | 93.1 | 93.1 | 95.1 | 95.7 | 95.7 | 97.1 | 97.4 | 97.7 | 97.7 |
| ≥ 0.625         | 46.8                         | 80.8 | 85.7 | 87.5 | 90.1 | 90.3 | 93.0 | 93.2 | 93.2 | 95.3 | 95.9 | 95.9 | 97.4 | 97.9 | 98.1 | 98.1 |
| ≥ 0.5           | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.6 | 96.3 | 96.3 | 98.0 | 98.5 | 98.8 | 98.8 |
| ≥ 0.4           | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.0 | 99.5 | 99.7 |
| ≥ 0.375         | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.1 | 99.7 | 99.9 |
| ≥ 0.3           | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.1 | 99.7 | 99.9 |
| ≥ 0.25          | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.1 | 99.7 | 99.9 |
| ≥ 0.2           | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.1 | 99.7 | 99.9 |
| ≥ 0.15          | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.1 | 99.7 | 99.9 |
| ≥ 0.1           | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.1 | 99.7 | 99.9 |
| ≥ 0.075         | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.1 | 99.7 | 99.9 |
| ≥ 0.05          | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.1 | 99.7 | 99.9 |
| ≥ 0.025         | 46.8                         | 80.8 | 85.8 | 87.6 | 90.3 | 90.6 | 93.3 | 93.6 | 93.6 | 95.8 | 96.5 | 96.5 | 98.5 | 99.1 | 99.7 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ANNVILLE, A. C. 24401

# CEILING VERSUS VISIBILITY

43263 MOSLUP-7 KORJA/CHEJI-FC ROK 7-34 55-47

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

300-33

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | <1                       | 2.5  | 2.5  | 2.4  | 2.3  | 2.2  | 2.2  | 2.1  | 2.1  | 2    | 2.4  | 2.3  | 2.3  | 2.2  | 2.1  | 2     |
| > 10000         | 19.7                     | 38.1 | 38.4 | 38.6 | 38.9 | 38.9 | 39.2 | 39.2 | 39.2 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3  |
| > 9000          | 22.3                     | 45.2 | 45.6 | 45.8 | 46.1 | 46.1 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.5 | 46.5 | 46.5 | 46.5  |
| > 8000          | 22.5                     | 45.3 | 45.8 | 45.9 | 46.3 | 46.3 | 46.5 | 46.5 | 46.5 | 46.6 | 46.6 | 46.6 | 46.7 | 46.7 | 46.7 | 46.7  |
| > 7000          | 22.8                     | 46.1 | 46.5 | 46.7 | 47.0 | 47.0 | 47.3 | 47.3 | 47.3 | 47.4 | 47.4 | 47.4 | 47.5 | 47.5 | 47.5 | 47.5  |
| > 6000          | 23.6                     | 47.6 | 48.1 | 48.2 | 48.6 | 48.6 | 48.8 | 48.8 | 48.8 | 48.9 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0  |
| > 5000          | 25.2                     | 51.6 | 52.1 | 52.3 | 52.6 | 52.6 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0  |
| > 4000          | 27.4                     | 56.2 | 56.8 | 57.1 | 57.4 | 57.4 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8  |
| > 3000          | 27.4                     | 56.3 | 56.9 | 57.1 | 57.5 | 57.5 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.9 | 57.9  |
| > 2000          | 28.6                     | 59.5 | 60.6 | 61.1 | 61.5 | 61.5 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9  |
| > 1000          | 28.7                     | 60.4 | 61.4 | 61.9 | 62.4 | 62.4 | 62.6 | 62.6 | 62.6 | 62.7 | 62.7 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8  |
| > 6000          | 29.0                     | 61.7 | 62.8 | 63.5 | 63.9 | 63.9 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3  |
| > 5000          | 29.5                     | 63.0 | 64.2 | 64.8 | 65.3 | 65.3 | 65.5 | 65.5 | 65.5 | 65.5 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8  |
| > 4000          | 29.9                     | 64.8 | 65.9 | 66.6 | 67.1 | 67.1 | 67.4 | 67.4 | 67.4 | 67.6 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7  |
| > 3000          | 30.8                     | 67.1 | 68.2 | 68.9 | 69.4 | 69.4 | 69.8 | 69.8 | 69.8 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  |
| > 2000          | 31.8                     | 68.7 | 69.9 | 70.7 | 71.2 | 71.2 | 71.6 | 71.6 | 71.6 | 71.9 | 71.9 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0  |
| > 1000          | 32.5                     | 73.8 | 75.7 | 76.5 | 77.4 | 77.4 | 77.8 | 77.8 | 77.8 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3  |
| > 6000          | 33.4                     | 77.4 | 79.7 | 80.5 | 81.9 | 81.9 | 82.3 | 82.3 | 82.3 | 82.6 | 82.6 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7  |
| > 5000          | 33.4                     | 78.4 | 80.9 | 82.4 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5  |
| > 4000          | 33.4                     | 78.7 | 81.2 | 82.6 | 84.9 | 84.9 | 85.4 | 85.4 | 85.4 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8  |
| > 3000          | 33.6                     | 79.6 | 82.8 | 84.4 | 86.9 | 86.9 | 88.0 | 88.1 | 88.1 | 88.5 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7  |
| > 2000          | 33.6                     | 80.2 | 83.7 | 86.4 | 89.8 | 89.8 | 91.2 | 91.4 | 91.4 | 92.9 | 93.2 | 93.2 | 93.7 | 93.7 | 93.7 | 93.7  |
| > 1000          | 33.6                     | 80.7 | 84.3 | 87.1 | 91.0 | 91.0 | 92.7 | 93.1 | 93.1 | 95.1 | 95.6 | 95.6 | 96.8 | 97.1 | 97.1 | 97.1  |
| > 6000          | 33.6                     | 80.7 | 84.3 | 87.1 | 91.0 | 91.0 | 92.9 | 93.3 | 93.3 | 95.6 | 96.1 | 96.1 | 97.5 | 97.8 | 97.8 | 97.8  |
| > 5000          | 33.6                     | 80.7 | 84.3 | 87.1 | 91.1 | 91.2 | 93.5 | 93.9 | 93.9 | 96.2 | 96.8 | 96.8 | 98.5 | 98.8 | 98.8 | 98.8  |
| > 4000          | 33.6                     | 80.7 | 84.3 | 87.1 | 91.1 | 91.2 | 93.5 | 93.9 | 93.9 | 96.3 | 97.1 | 97.1 | 98.9 | 99.1 | 99.3 | 99.3  |
| > 3000          | 33.6                     | 80.7 | 84.3 | 87.1 | 91.1 | 91.2 | 93.5 | 93.9 | 93.9 | 96.3 | 97.1 | 97.1 | 99.0 | 99.2 | 99.6 | 99.7  |
| > 2000          | 33.6                     | 80.7 | 84.3 | 87.1 | 91.1 | 91.2 | 93.5 | 93.9 | 93.9 | 96.3 | 97.1 | 97.1 | 99.0 | 99.2 | 99.6 | 99.7  |
| > 1000          | 33.6                     | 80.7 | 84.3 | 87.1 | 91.1 | 91.2 | 93.5 | 93.9 | 93.9 | 96.3 | 97.2 | 97.2 | 99.1 | 99.4 | 99.7 | 99.9  |
| > 0             | 33.6                     | 80.7 | 84.3 | 87.1 | 91.1 | 91.2 | 93.5 | 93.9 | 93.9 | 96.3 | 97.2 | 97.2 | 99.1 | 99.4 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1169

**AJ-A088 941**

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/2  
MOSULP-O; CHEJU-DO; KOREA. REVISED UNIFORM SUMMARY OF SURFACE W--ETC(U)  
FEB 68  
USAFETAC/DS-80-067

NL

3-4  
S-S-AS  
[REDACTED]

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MOSULP-O KOREA/CHEJU-DO ROK K-39

55-67

MAY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1200  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY - STATUTE MILES: |      |      |      |      |      |      |      |      |      |      |      |      |       |        |        |
|-------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|
|                   | ≥ 10                        | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 |
| NO CEILING        | 16.5                        | 34.6 | 34.7 | 34.7 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 35.0  | 35.0   | 35.0   |
| ≥ 20000           | 18.8                        | 45.1 | 45.2 | 45.2 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.5  | 45.5   | 45.5   |
| IV 18000          | 18.9                        | 45.2 | 45.3 | 45.3 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.6  | 45.6   | 45.6   |
| IV 16000          | 18.9                        | 45.5 | 45.7 | 45.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.9  | 45.9   | 45.9   |
| IV 14000          | 19.7                        | 47.3 | 47.5 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.7  | 47.7   | 47.7   |
| IV 12000          | 22.7                        | 52.9 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.5  | 53.5   | 53.5   |
| IV 10000          | 26.1                        | 57.8 | 58.2 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6  | 58.6   | 58.6   |
| IV 9000           | 26.1                        | 57.8 | 58.2 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6  | 58.6   | 58.6   |
| IV 8000           | 27.5                        | 61.0 | 61.8 | 61.9 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.2  | 62.2   | 62.2   |
| IV 7000           | 27.9                        | 61.9 | 62.8 | 62.9 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2  | 63.2   | 63.2   |
| IV 6000           | 28.0                        | 62.8 | 63.7 | 63.8 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.1  | 64.1   | 64.1   |
| IV 5000           | 28.4                        | 63.9 | 64.8 | 64.9 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3  | 65.3   | 65.3   |
| IV 4500           | 28.4                        | 65.1 | 66.1 | 66.2 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.5  | 66.5   | 66.5   |
| IV 4000           | 30.4                        | 69.7 | 70.7 | 71.0 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.3  | 71.3   | 71.3   |
| IV 3500           | 30.9                        | 71.2 | 72.2 | 72.9 | 73.1 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.3  | 73.3   | 73.3   |
| IV 3000           | 32.8                        | 76.8 | 79.0 | 79.8 | 80.4 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6  | 80.6   | 80.6   |
| IV 2500           | 32.8                        | 79.3 | 82.3 | 83.8 | 84.9 | 84.9 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3  | 85.3   | 85.3   |
| IV 2000           | 32.8                        | 81.3 | 84.4 | 86.3 | 87.8 | 87.8 | 88.3 | 88.3 | 88.3 | 88.3 | 88.6 | 88.8 | 88.8 | 88.9  | 88.9   | 88.9   |
| IV 1800           | 32.8                        | 81.6 | 84.9 | 86.7 | 88.3 | 88.3 | 88.8 | 88.8 | 88.8 | 88.8 | 89.1 | 89.3 | 89.3 | 89.4  | 89.4   | 89.4   |
| IV 1500           | 32.9                        | 82.4 | 85.9 | 87.8 | 90.1 | 90.1 | 91.2 | 91.3 | 91.3 | 91.6 | 91.9 | 91.9 | 92.0 | 92.0  | 92.0   | 92.0   |
| IV 1200           | 32.9                        | 82.4 | 85.9 | 87.8 | 90.2 | 90.2 | 91.6 | 91.7 | 91.7 | 92.1 | 92.4 | 92.4 | 92.4 | 92.5  | 92.5   | 92.5   |
| IV 1000           | 32.9                        | 82.7 | 86.4 | 88.3 | 90.9 | 90.9 | 92.6 | 92.6 | 92.6 | 93.2 | 93.6 | 93.6 | 93.7 | 93.7  | 93.7   | 93.7   |
| IV 900            | 32.9                        | 82.7 | 86.4 | 88.5 | 91.1 | 91.2 | 93.0 | 93.1 | 93.1 | 93.9 | 94.3 | 94.3 | 94.5 | 94.5  | 94.5   | 94.5   |
| IV 800            | 32.9                        | 82.7 | 86.4 | 88.6 | 91.3 | 91.5 | 93.2 | 93.4 | 93.4 | 94.4 | 94.8 | 94.8 | 95.0 | 95.0  | 95.2   | 95.2   |
| IV 700            | 32.9                        | 82.7 | 86.4 | 88.6 | 91.4 | 91.6 | 93.3 | 93.5 | 93.5 | 94.5 | 95.0 | 95.0 | 95.2 | 95.2  | 95.5   | 95.5   |
| IV 600            | 32.9                        | 82.7 | 86.4 | 88.6 | 91.6 | 91.7 | 93.5 | 93.6 | 93.6 | 94.6 | 95.2 | 95.2 | 95.6 | 95.6  | 95.9   | 95.9   |
| IV 500            | 32.9                        | 82.7 | 86.4 | 88.6 | 91.6 | 91.8 | 93.5 | 93.7 | 93.7 | 94.9 | 95.5 | 95.5 | 96.2 | 96.2  | 96.6   | 96.7   |
| IV 400            | 32.9                        | 82.7 | 86.4 | 88.6 | 91.6 | 91.8 | 93.7 | 93.9 | 93.9 | 95.0 | 96.0 | 96.0 | 96.9 | 96.9  | 97.6   | 97.7   |
| IV 300            | 32.9                        | 82.7 | 86.4 | 88.6 | 91.6 | 91.8 | 93.7 | 93.9 | 94.0 | 95.1 | 96.1 | 96.1 | 97.0 | 97.0  | 98.1   | 98.8   |
| IV 200            | 32.9                        | 82.7 | 86.4 | 88.6 | 91.6 | 91.8 | 93.7 | 93.9 | 94.0 | 95.1 | 96.1 | 96.1 | 97.0 | 97.0  | 98.3   | 99.2   |
| IV 100            | 32.9                        | 82.7 | 86.4 | 88.6 | 91.6 | 91.8 | 93.7 | 93.9 | 94.0 | 95.1 | 96.1 | 96.1 | 97.1 | 97.1  | 98.4   | 99.3   |
| IV 0              | 32.9                        | 82.7 | 86.4 | 88.6 | 91.6 | 91.8 | 93.7 | 93.9 | 94.0 | 95.1 | 96.1 | 96.1 | 97.1 | 97.1  | 98.4   | 100.0  |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MOSULP-C KOREA/CHEJI-DC ROK K-39 55-67

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0   |
| NO CEILING      | 16.7                       | 32.3 | 32.4 | 32.7 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8  | 33.0 | 33.0  | 33.0 | 33.0  |
| ≥ 20000         | 20.1                       | 42.9 | 43.1 | 43.3 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.5 | 43.5 | 43.5  | 43.8 | 43.8  | 43.8 | 43.8  |
| IV 18000        | 20.3                       | 43.3 | 43.4 | 43.7 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8  | 44.1 | 44.1  | 44.1 | 44.1  |
| IV 16000        | 20.7                       | 44.1 | 44.3 | 44.5 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.7 | 44.7 | 44.7  | 44.9 | 44.9  | 44.9 | 44.9  |
| IV 14000        | 22.9                       | 47.5 | 47.6 | 47.9 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.1 | 48.1 | 48.1  | 48.3 | 48.3  | 48.3 | 48.3  |
| IV 12000        | 24.7                       | 50.5 | 50.6 | 51.0 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.3 | 51.3 | 51.3  | 51.5 | 51.5  | 51.5 | 51.5  |
| IV 10000        | 27.2                       | 54.9 | 55.2 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8  | 56.1 | 56.1  | 56.1 | 56.1  |
| IV 9000         | 27.2                       | 55.1 | 55.3 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0  | 56.2 | 56.2  | 56.2 | 56.2  |
| IV 8000         | 28.5                       | 58.4 | 58.9 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6  | 59.8 | 59.8  | 59.8 | 59.8  |
| IV 7000         | 28.5                       | 59.1 | 59.7 | 60.1 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.4 | 60.4 | 60.4  | 60.6 | 60.6  | 60.6 | 60.6  |
| IV 6000         | 29.7                       | 61.0 | 61.6 | 62.0 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.4 | 62.5 | 62.5  | 62.8 | 62.8  | 62.8 | 62.8  |
| IV 5000         | 29.8                       | 62.4 | 63.4 | 63.8 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.1 | 64.3 | 64.3  | 64.5 | 64.5  | 64.5 | 64.5  |
| IV 4500         | 30.2                       | 63.4 | 64.4 | 64.9 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.4 | 65.4  | 65.7 | 65.7  | 65.7 | 65.7  |
| IV 4000         | 32.6                       | 67.8 | 68.9 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.9 | 70.1 | 70.1  | 70.3 | 70.3  | 70.4 | 70.4  |
| IV 3500         | 33.5                       | 70.9 | 72.0 | 72.9 | 73.2 | 73.2 | 73.2 | 73.3 | 73.3 | 73.4 | 73.6 | 73.6  | 73.9 | 73.9  | 73.9 | 73.9  |
| IV 3000         | 34.8                       | 75.8 | 77.9 | 79.3 | 79.7 | 79.8 | 79.9 | 80.0 | 80.0 | 80.1 | 80.3 | 80.3  | 80.6 | 80.6  | 80.6 | 80.6  |
| IV 2500         | 35.0                       | 78.4 | 81.2 | 82.7 | 83.5 | 83.9 | 84.0 | 84.0 | 84.0 | 84.5 | 84.7 | 84.7  | 84.9 | 84.9  | 85.1 | 85.1  |
| IV 2000         | 35.2                       | 80.0 | 83.3 | 85.2 | 86.4 | 86.7 | 86.8 | 86.8 | 86.8 | 87.5 | 87.8 | 87.8  | 88.2 | 88.2  | 88.3 | 88.3  |
| IV 1800         | 35.2                       | 80.1 | 83.5 | 85.4 | 86.7 | 87.0 | 87.2 | 87.3 | 87.3 | 87.9 | 88.3 | 88.3  | 88.7 | 88.7  | 88.8 | 88.8  |
| IV 1500         | 35.2                       | 81.0 | 84.8 | 87.3 | 88.9 | 89.2 | 89.6 | 89.7 | 89.7 | 90.4 | 91.1 | 91.1  | 91.4 | 91.4  | 91.6 | 91.6  |
| IV 1200         | 35.2                       | 81.1 | 85.2 | 87.7 | 89.3 | 89.7 | 90.3 | 90.4 | 90.4 | 91.1 | 91.8 | 91.8  | 92.1 | 92.1  | 92.3 | 92.3  |
| IV 1000         | 35.3                       | 81.4 | 85.4 | 88.2 | 90.4 | 90.7 | 91.8 | 91.9 | 91.9 | 92.9 | 93.5 | 93.5  | 94.0 | 94.0  | 94.1 | 94.1  |
| IV 900          | 35.3                       | 81.4 | 85.4 | 88.3 | 90.7 | 91.1 | 92.2 | 92.3 | 92.4 | 93.5 | 94.1 | 94.1  | 94.6 | 94.6  | 94.9 | 94.9  |
| IV 800          | 35.3                       | 81.4 | 85.4 | 88.4 | 91.1 | 91.5 | 92.7 | 92.8 | 92.9 | 94.1 | 94.8 | 94.8  | 95.3 | 95.3  | 95.7 | 95.7  |
| IV 700          | 35.3                       | 81.4 | 85.4 | 88.8 | 91.6 | 91.9 | 93.1 | 93.3 | 93.4 | 94.7 | 95.4 | 95.4  | 95.9 | 95.9  | 96.3 | 96.3  |
| IV 600          | 35.3                       | 81.4 | 85.4 | 88.8 | 91.6 | 91.9 | 93.1 | 93.3 | 93.4 | 94.7 | 95.4 | 95.4  | 95.9 | 95.9  | 96.3 | 96.4  |
| IV 500          | 35.3                       | 81.4 | 85.4 | 88.8 | 91.6 | 92.0 | 93.2 | 93.4 | 93.5 | 95.0 | 95.7 | 95.7  | 96.4 | 96.4  | 97.2 | 97.3  |
| IV 400          | 35.3                       | 81.4 | 85.4 | 88.8 | 91.6 | 92.0 | 93.3 | 93.5 | 93.5 | 95.1 | 96.0 | 96.0  | 96.9 | 96.9  | 97.9 | 98.0  |
| IV 300          | 35.3                       | 81.4 | 85.4 | 88.8 | 91.6 | 92.0 | 93.3 | 93.5 | 93.5 | 95.1 | 96.2 | 96.2  | 97.1 | 97.1  | 98.2 | 98.4  |
| IV 200          | 35.3                       | 81.4 | 85.4 | 88.8 | 91.6 | 92.0 | 93.3 | 93.5 | 93.5 | 95.1 | 96.2 | 96.2  | 97.1 | 97.1  | 98.3 | 98.6  |
| IV 100          | 35.3                       | 81.4 | 85.4 | 88.8 | 91.6 | 92.0 | 93.3 | 93.5 | 93.5 | 95.1 | 96.2 | 96.2  | 97.1 | 97.1  | 98.3 | 98.7  |
| IV 0            | 35.3                       | 81.4 | 85.4 | 88.8 | 91.6 | 92.0 | 93.3 | 93.5 | 93.5 | 95.1 | 96.2 | 96.2  | 97.1 | 97.1  | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSLLP-C KOREA/CHEJU-DC ROK K-39

55-67

MAY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |      |       |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0   |
| NO CEILING      | 26.3                       | 30.1 | 30.4 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5  | 30.5 | 30.5  | 30.6 | 30.6  |
| ≥ 20000         | 35.9                       | 42.8 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3  | 43.3 | 43.3  | 43.4 | 43.4  |
| ≥ 18000         | 36.6                       | 43.8 | 44.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3  | 44.3 | 44.3  | 44.3 | 44.3  |
| ≥ 16000         | 36.6                       | 44.1 | 44.5 | 44.6 | 44.6 | 44.6 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7  | 44.7 | 44.7  | 44.7 | 44.7  |
| ≥ 14000         | 39.2                       | 47.0 | 47.4 | 47.5 | 47.5 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6  | 47.6 | 47.6  | 47.6 | 47.6  |
| ≥ 12000         | 43.8                       | 52.9 | 53.3 | 53.3 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.6 | 53.6 | 53.6  | 53.6 | 53.6  | 53.7 | 53.7  |
| ≥ 10000         | 47.4                       | 58.0 | 58.4 | 58.5 | 58.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8  | 58.8 | 58.8  | 58.9 | 58.9  |
| ≥ 9000          | 47.6                       | 58.1 | 58.6 | 58.6 | 58.8 | 58.8 | 58.9 | 58.9 | 58.9 | 59.0 | 59.0 | 59.0  | 59.0 | 59.0  | 59.1 | 59.1  |
| ≥ 8000          | 50.3                       | 63.4 | 64.0 | 64.1 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  | 64.4 | 64.5  | 64.6 | 64.6  |
| ≥ 7000          | 50.7                       | 64.6 | 65.2 | 65.3 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8  | 65.8 | 65.8  | 66.0 | 66.0  |
| ≥ 6000          | 51.3                       | 65.7 | 66.3 | 66.4 | 66.7 | 66.7 | 66.8 | 66.8 | 66.8 | 66.9 | 66.9 | 66.9  | 66.9 | 67.0  | 67.2 | 67.2  |
| ≥ 5000          | 51.5                       | 66.3 | 67.2 | 67.2 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7  | 67.7 | 67.8  | 68.0 | 68.0  |
| ≥ 4500          | 52.2                       | 67.3 | 68.2 | 68.2 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8  | 68.8 | 68.9  | 69.1 | 69.1  |
| ≥ 4000          | 53.4                       | 69.6 | 70.6 | 70.9 | 71.2 | 71.2 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5  | 71.5 | 71.6  | 71.8 | 71.8  |
| ≥ 3500          | 54.3                       | 72.0 | 73.6 | 74.0 | 74.4 | 74.4 | 74.5 | 74.5 | 74.6 | 74.7 | 74.7 | 74.7  | 74.7 | 74.8  | 74.9 | 74.9  |
| ≥ 3000          | 55.7                       | 75.9 | 78.0 | 78.7 | 79.3 | 79.3 | 79.7 | 79.7 | 79.7 | 79.9 | 79.9 | 79.9  | 79.9 | 80.0  | 80.4 | 80.4  |
| ≥ 2500          | 57.0                       | 78.7 | 81.0 | 81.8 | 82.9 | 82.9 | 83.5 | 83.6 | 83.7 | 83.9 | 83.9 | 83.9  | 83.9 | 84.0  | 84.4 | 84.4  |
| ≥ 2000          | 57.2                       | 79.8 | 82.5 | 83.8 | 85.4 | 85.4 | 86.3 | 86.4 | 86.5 | 86.8 | 86.8 | 86.8  | 86.8 | 87.3  | 87.8 | 87.8  |
| ≥ 1800          | 57.2                       | 79.8 | 82.5 | 83.8 | 85.5 | 85.5 | 86.4 | 86.6 | 86.7 | 87.0 | 87.0 | 87.0  | 87.0 | 87.5  | 87.9 | 87.9  |
| ≥ 1500          | 57.6                       | 81.4 | 84.4 | 85.8 | 87.6 | 87.7 | 88.8 | 89.0 | 89.1 | 89.6 | 89.7 | 89.7  | 89.7 | 90.2  | 90.6 | 90.6  |
| ≥ 1200          | 57.7                       | 81.7 | 84.8 | 86.2 | 88.0 | 88.2 | 89.3 | 89.5 | 89.6 | 90.2 | 90.3 | 90.3  | 90.8 | 90.8  | 91.2 | 91.2  |
| ≥ 1000          | 57.7                       | 82.7 | 85.9 | 87.9 | 90.0 | 90.2 | 91.5 | 91.6 | 91.7 | 92.6 | 92.7 | 92.7  | 93.2 | 93.2  | 93.6 | 93.6  |
| ≥ 900           | 57.7                       | 82.8 | 86.0 | 87.7 | 90.2 | 90.3 | 91.6 | 91.8 | 91.9 | 92.8 | 92.9 | 92.9  | 93.4 | 93.4  | 93.8 | 93.8  |
| ≥ 800           | 57.7                       | 83.3 | 86.5 | 88.6 | 91.1 | 91.3 | 92.6 | 92.8 | 92.9 | 93.9 | 94.0 | 94.0  | 94.6 | 94.6  | 95.1 | 95.1  |
| ≥ 700           | 57.7                       | 83.5 | 86.7 | 88.8 | 91.6 | 91.8 | 93.2 | 93.5 | 93.5 | 94.6 | 94.8 | 94.8  | 95.4 | 95.4  | 95.9 | 95.9  |
| ≥ 600           | 57.7                       | 83.5 | 86.7 | 88.8 | 91.8 | 92.1 | 93.6 | 93.9 | 94.0 | 95.0 | 95.3 | 95.3  | 95.9 | 95.9  | 96.4 | 96.5  |
| ≥ 500           | 57.7                       | 83.5 | 86.7 | 88.9 | 91.9 | 92.1 | 93.8 | 94.0 | 94.1 | 95.2 | 95.5 | 95.5  | 96.3 | 96.6  | 97.1 | 97.3  |
| ≥ 400           | 57.7                       | 83.5 | 86.7 | 88.9 | 91.9 | 92.1 | 93.9 | 94.1 | 94.2 | 95.3 | 95.5 | 95.5  | 96.4 | 96.9  | 97.4 | 97.6  |
| ≥ 300           | 57.7                       | 83.5 | 86.7 | 88.9 | 91.9 | 92.1 | 94.0 | 94.2 | 94.3 | 95.4 | 95.6 | 95.6  | 96.5 | 96.9  | 97.4 | 97.9  |
| ≥ 200           | 57.7                       | 83.5 | 86.7 | 88.9 | 91.9 | 92.1 | 94.0 | 94.2 | 94.3 | 95.5 | 95.7 | 95.7  | 96.6 | 97.0  | 97.7 | 98.8  |
| ≥ 100           | 57.7                       | 83.5 | 86.7 | 88.9 | 91.9 | 92.1 | 94.0 | 94.2 | 94.3 | 95.5 | 95.7 | 95.7  | 96.6 | 97.0  | 97.8 | 99.2  |
| ≥ 0             | 57.7                       | 83.5 | 86.7 | 88.9 | 91.9 | 92.1 | 94.0 | 94.2 | 94.3 | 95.5 | 95.7 | 95.7  | 96.6 | 97.0  | 97.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 STATION MCSULP-O KOREA/CHEJU-DO RCK K-39 55-67 YEARS MAY 1954

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |         |      |         |         |      |       |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2 1/2 | ≥ 2  | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1  | ≥ 3/4 | ≥ 5/8 | ≥ 1/2 | ≥ 5/16 | ≥ 1/4 | ≥ 0   |
| NO CEILING      | 30.0                     | 32.1 | 32.1 | 32.3 | 32.3 | 32.3    | 32.3 | 32.3    | 32.3    | 32.4 | 32.6  | 32.6  | 32.6  | 32.6   | 32.6  | 32.6  |
| ≥ 20000         | 42.6                     | 46.9 | 47.0 | 47.2 | 47.2 | 47.2    | 47.2 | 47.2    | 47.2    | 47.3 | 47.5  | 47.5  | 47.5  | 47.5   | 47.5  | 47.5  |
| IV 18000        | 43.3                     | 47.6 | 47.6 | 47.9 | 47.9 | 47.9    | 47.9 | 47.9    | 47.9    | 48.0 | 48.1  | 48.1  | 48.1  | 48.1   | 48.1  | 48.1  |
| IV 16000        | 44.1                     | 48.4 | 48.5 | 48.7 | 48.7 | 48.7    | 48.7 | 48.7    | 48.7    | 48.8 | 49.0  | 49.0  | 49.0  | 49.0   | 49.0  | 49.0  |
| IV 14000        | 46.3                     | 50.6 | 50.7 | 51.0 | 51.0 | 51.0    | 51.0 | 51.0    | 51.0    | 51.0 | 51.2  | 51.2  | 51.2  | 51.2   | 51.2  | 51.2  |
| IV 12000        | 50.8                     | 56.6 | 56.1 | 56.3 | 56.3 | 56.3    | 56.3 | 56.3    | 56.3    | 56.4 | 56.6  | 56.6  | 56.6  | 56.6   | 56.6  | 56.6  |
| IV 10000        | 54.0                     | 60.6 | 60.9 | 61.1 | 61.1 | 61.1    | 61.1 | 61.1    | 61.1    | 61.2 | 61.4  | 61.4  | 61.4  | 61.4   | 61.4  | 61.4  |
| IV 9000         | 54.4                     | 61.6 | 61.3 | 61.5 | 61.5 | 61.5    | 61.5 | 61.5    | 61.5    | 61.6 | 61.8  | 61.8  | 61.8  | 61.8   | 61.8  | 61.8  |
| IV 8000         | 56.7                     | 64.4 | 64.7 | 64.9 | 64.9 | 64.9    | 64.9 | 64.9    | 64.9    | 65.0 | 65.2  | 65.2  | 65.2  | 65.2   | 65.2  | 65.2  |
| IV 7000         | 57.2                     | 65.3 | 65.8 | 66.1 | 66.1 | 66.1    | 66.1 | 66.1    | 66.1    | 66.2 | 66.3  | 66.3  | 66.3  | 66.3   | 66.4  | 66.4  |
| IV 6000         | 57.6                     | 65.8 | 66.5 | 66.7 | 66.7 | 66.7    | 66.7 | 66.7    | 66.7    | 66.8 | 67.0  | 67.0  | 67.0  | 67.0   | 67.1  | 67.1  |
| IV 5000         | 58.2                     | 67.1 | 67.7 | 68.0 | 68.0 | 68.0    | 68.0 | 68.0    | 68.0    | 68.1 | 68.2  | 68.2  | 68.2  | 68.2   | 68.3  | 68.3  |
| IV 4500         | 59.6                     | 68.7 | 69.4 | 69.6 | 69.6 | 69.6    | 69.6 | 69.6    | 69.6    | 69.7 | 69.9  | 69.9  | 69.9  | 69.9   | 70.0  | 70.0  |
| IV 4000         | 61.4                     | 71.5 | 72.4 | 72.6 | 72.6 | 72.6    | 72.6 | 72.6    | 72.6    | 72.7 | 72.9  | 72.9  | 72.9  | 72.9   | 73.0  | 73.0  |
| IV 3500         | 62.0                     | 73.3 | 74.2 | 74.4 | 74.4 | 74.4    | 74.4 | 74.4    | 74.4    | 74.5 | 74.7  | 74.7  | 74.7  | 74.7   | 74.8  | 74.8  |
| IV 3000         | 64.8                     | 78.9 | 80.5 | 81.1 | 81.3 | 81.3    | 81.6 | 81.6    | 81.6    | 81.7 | 82.1  | 82.1  | 82.1  | 82.1   | 82.1  | 82.1  |
| IV 2500         | 66.1                     | 81.2 | 83.0 | 83.9 | 84.4 | 84.4    | 84.8 | 85.1    | 85.1    | 85.2 | 85.5  | 85.5  | 85.7  | 85.7   | 85.8  | 85.8  |
| IV 2000         | 66.6                     | 81.8 | 83.9 | 84.9 | 85.9 | 85.9    | 86.5 | 87.0    | 87.0    | 87.3 | 87.7  | 87.7  | 88.1  | 88.1   | 88.2  | 88.2  |
| IV 1800         | 66.6                     | 81.9 | 84.0 | 84.9 | 85.9 | 85.9    | 86.6 | 87.1    | 87.1    | 87.6 | 87.9  | 87.9  | 88.3  | 88.3   | 88.4  | 88.4  |
| IV 1500         | 67.1                     | 83.0 | 85.4 | 87.2 | 88.5 | 88.5    | 89.3 | 89.8    | 89.8    | 90.6 | 90.9  | 90.9  | 91.3  | 91.3   | 91.4  | 91.4  |
| IV 1200         | 67.2                     | 83.5 | 85.9 | 87.7 | 89.0 | 89.0    | 90.0 | 90.5    | 90.5    | 91.2 | 91.6  | 91.6  | 92.0  | 92.0   | 92.1  | 92.1  |
| IV 1000         | 67.6                     | 84.5 | 87.1 | 88.9 | 90.7 | 90.7    | 91.9 | 92.5    | 92.5    | 93.5 | 93.8  | 93.8  | 94.5  | 94.5   | 94.5  | 94.5  |
| IV 900          | 67.6                     | 84.8 | 87.3 | 89.2 | 91.0 | 91.0    | 92.2 | 92.8    | 92.8    | 93.8 | 94.1  | 94.1  | 94.8  | 94.8   | 94.9  | 94.9  |
| IV 800          | 67.7                     | 85.0 | 87.7 | 89.7 | 91.5 | 91.5    | 92.9 | 93.5    | 93.5    | 94.5 | 94.9  | 95.0  | 95.7  | 95.7   | 95.8  | 95.8  |
| IV 700          | 67.7                     | 85.3 | 88.0 | 90.0 | 92.0 | 92.1    | 93.6 | 94.2    | 94.2    | 95.5 | 95.9  | 95.9  | 96.7  | 96.7   | 96.9  | 96.9  |
| IV 600          | 67.7                     | 85.4 | 88.1 | 90.2 | 92.3 | 92.4    | 94.0 | 94.5    | 94.5    | 95.9 | 96.2  | 96.3  | 97.0  | 97.0   | 97.2  | 97.3  |
| IV 500          | 67.7                     | 85.4 | 88.1 | 90.2 | 92.3 | 92.4    | 94.1 | 94.7    | 94.7    | 96.0 | 96.4  | 96.4  | 97.3  | 97.3   | 97.8  | 97.8  |
| IV 400          | 67.7                     | 85.4 | 88.1 | 90.2 | 92.3 | 92.4    | 94.1 | 94.7    | 94.7    | 96.0 | 96.4  | 96.4  | 97.4  | 97.4   | 98.2  | 98.3  |
| IV 300          | 67.7                     | 85.4 | 88.1 | 90.2 | 92.3 | 92.4    | 94.1 | 94.7    | 94.7    | 96.0 | 96.4  | 96.4  | 97.4  | 97.4   | 98.3  | 98.5  |
| IV 200          | 67.7                     | 85.4 | 88.1 | 90.2 | 92.3 | 92.4    | 94.1 | 94.7    | 94.7    | 96.0 | 96.4  | 96.4  | 97.4  | 97.4   | 98.5  | 99.5  |
| IV 100          | 67.7                     | 85.4 | 88.1 | 90.2 | 92.3 | 92.4    | 94.1 | 94.7    | 94.7    | 96.0 | 96.4  | 96.4  | 97.4  | 97.4   | 98.5  | 99.8  |
| IV 0            | 67.7                     | 85.4 | 88.1 | 90.2 | 92.3 | 92.4    | 94.1 | 94.7    | 94.7    | 96.0 | 96.4  | 96.4  | 97.4  | 97.4   | 98.5  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MGSULP-C KOREA/CHEJU-DO ROK A-39  
STATION NAME

55-07  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |      |        |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING      | 30.4                       | 31.9 | 32.3 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5  | 32.6 | 32.6   | 32.6 | 32.6 |
| ≥ 20000         | 43.9                       | 47.6 | 48.0 | 48.1 | 48.1 | 48.1 | 48.3 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4  | 48.5 | 48.5   | 48.5 | 48.5 |
| IV 18000        | 44.4                       | 48.1 | 48.6 | 48.7 | 48.7 | 48.7 | 48.9 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0  | 49.0 | 49.0   | 49.0 | 49.0 |
| IV 16000        | 45.0                       | 48.7 | 49.1 | 49.3 | 49.3 | 49.3 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5  | 49.5 | 49.6   | 49.6 | 49.6 |
| IV 14000        | 48.3                       | 52.1 | 52.5 | 52.7 | 52.7 | 52.7 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9  | 53.0 | 53.0   | 53.0 | 53.0 |
| IV 12000        | 51.4                       | 56.0 | 56.4 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 | 56.7 | 56.8 | 56.8 | 56.8  | 56.9 | 56.9   | 56.9 | 56.9 |
| IV 10000        | 55.7                       | 61.3 | 61.7 | 61.9 | 61.9 | 61.9 | 62.0 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1  | 62.2 | 62.2   | 62.2 | 62.2 |
| IV 9000         | 55.8                       | 61.4 | 61.8 | 62.0 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2  | 62.3 | 62.3   | 62.3 | 62.3 |
| IV 8000         | 57.9                       | 64.4 | 64.9 | 65.1 | 65.1 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3  | 65.4 | 65.4   | 65.4 | 65.4 |
| IV 7000         | 58.6                       | 65.5 | 66.0 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4  | 66.5 | 66.5   | 66.5 | 66.5 |
| IV 6000         | 59.1                       | 66.2 | 66.7 | 66.8 | 66.8 | 66.8 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1  | 67.2 | 67.2   | 67.2 | 67.2 |
| IV 5000         | 59.9                       | 67.2 | 67.7 | 67.9 | 67.9 | 67.9 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2   | 68.2 | 68.2 |
| IV 4500         | 61.0                       | 68.7 | 69.1 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6  | 69.7 | 69.7   | 69.7 | 69.7 |
| IV 4000         | 63.1                       | 71.9 | 72.7 | 73.3 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6  | 73.7 | 73.7   | 73.7 | 73.7 |
| IV 3500         | 64.3                       | 74.6 | 75.8 | 76.3 | 76.4 | 76.4 | 76.6 | 76.6 | 76.6 | 76.8 | 76.8 | 76.8  | 76.8 | 76.8   | 76.8 | 76.8 |
| IV 3000         | 67.4                       | 79.9 | 81.5 | 82.2 | 82.4 | 82.4 | 82.5 | 82.6 | 82.6 | 83.0 | 83.0 | 83.0  | 83.0 | 83.0   | 83.0 | 83.0 |
| IV 2500         | 68.9                       | 82.8 | 85.0 | 86.0 | 86.2 | 86.2 | 86.5 | 86.7 | 86.7 | 87.1 | 87.1 | 87.1  | 87.2 | 87.2   | 87.2 | 87.2 |
| IV 2000         | 69.1                       | 83.3 | 85.9 | 87.2 | 87.4 | 87.4 | 87.9 | 88.2 | 88.2 | 88.6 | 88.6 | 88.6  | 88.8 | 88.8   | 88.8 | 88.8 |
| IV 1800         | 69.1                       | 83.3 | 86.0 | 87.3 | 87.5 | 87.5 | 88.0 | 88.3 | 88.3 | 88.7 | 88.7 | 88.7  | 88.8 | 88.8   | 88.8 | 88.8 |
| IV 1500         | 69.2                       | 84.0 | 87.1 | 88.5 | 89.0 | 89.0 | 89.6 | 89.8 | 89.8 | 90.3 | 90.3 | 90.3  | 90.6 | 90.6   | 90.6 | 90.6 |
| IV 1200         | 69.3                       | 84.5 | 87.6 | 89.1 | 89.6 | 89.6 | 90.4 | 90.7 | 90.7 | 91.1 | 91.1 | 91.1  | 91.5 | 91.5   | 91.5 | 91.5 |
| IV 1000         | 69.6                       | 85.3 | 88.8 | 90.2 | 91.2 | 91.2 | 92.3 | 92.6 | 92.6 | 93.3 | 93.3 | 93.3  | 94.0 | 94.0   | 94.0 | 94.0 |
| IV 900          | 69.6                       | 85.4 | 88.8 | 90.3 | 91.5 | 91.5 | 92.6 | 92.8 | 92.8 | 93.5 | 93.5 | 93.5  | 94.3 | 94.3   | 94.3 | 94.3 |
| IV 800          | 69.6                       | 85.4 | 88.8 | 90.4 | 92.0 | 92.1 | 93.5 | 93.7 | 93.7 | 94.6 | 94.6 | 94.6  | 95.5 | 95.5   | 95.5 | 95.5 |
| IV 700          | 69.6                       | 85.4 | 89.0 | 90.6 | 92.6 | 92.6 | 94.2 | 94.5 | 94.5 | 95.5 | 95.5 | 95.5  | 96.6 | 96.6   | 96.6 | 96.6 |
| IV 600          | 69.6                       | 85.5 | 89.1 | 90.7 | 93.1 | 93.2 | 94.9 | 95.1 | 95.1 | 96.3 | 96.3 | 96.3  | 97.6 | 97.6   | 97.6 | 97.6 |
| IV 500          | 69.6                       | 85.5 | 89.2 | 90.8 | 93.1 | 93.3 | 95.0 | 95.2 | 95.2 | 96.4 | 96.7 | 96.7  | 97.8 | 97.8   | 97.8 | 97.8 |
| IV 400          | 69.6                       | 85.5 | 89.2 | 90.9 | 93.2 | 93.4 | 95.0 | 95.3 | 95.3 | 96.5 | 96.8 | 96.8  | 98.0 | 98.3   | 98.3 | 98.3 |
| IV 300          | 69.6                       | 85.5 | 89.2 | 90.9 | 93.2 | 93.4 | 95.0 | 95.3 | 95.3 | 96.7 | 97.0 | 97.0  | 98.3 | 98.6   | 98.6 | 98.6 |
| IV 200          | 69.6                       | 85.5 | 89.2 | 90.9 | 93.2 | 93.4 | 95.0 | 95.3 | 95.3 | 96.7 | 97.0 | 97.0  | 98.3 | 98.6   | 98.6 | 98.6 |
| IV 100          | 69.6                       | 85.5 | 89.2 | 90.9 | 93.2 | 93.4 | 95.0 | 95.3 | 95.3 | 96.7 | 97.0 | 97.0  | 98.3 | 98.6   | 98.6 | 98.6 |
| IV 0            | 69.6                       | 85.5 | 89.2 | 90.9 | 93.2 | 93.4 | 95.0 | 95.3 | 95.3 | 96.7 | 97.0 | 97.0  | 98.3 | 98.6   | 98.6 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS 1209



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MOSULP-C KOREA/CHEJU-DO ROK K-39  
STATION NAME

55-67  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1961  
HOURS

| CEILING<br>FEET       | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|
|                       | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 0  |
| NO CEILING<br>≥ 20000 | 28.0                     | 37.3 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5  | 30.5 | 30.5  | 30.7 |
| IV 18000              | 42.8                     | 47.0 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2  | 47.2 | 47.2  | 47.4 |
| IV 16000              | 43.4                     | 47.6 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8  | 47.8 | 47.8  | 48.0 |
| IV 14000              | 44.3                     | 48.5 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7  | 48.7 | 48.7  | 48.9 |
| IV 12000              | 47.1                     | 51.6 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9  | 51.9 | 51.9  | 52.0 |
| IV 10000              | 51.3                     | 57.3 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6  | 57.6 | 57.6  | 57.7 |
| IV 9000               | 55.7                     | 63.2 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4  | 63.4 | 63.4  | 63.6 |
| IV 8000               | 55.8                     | 63.4 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6  | 63.6 | 63.6  | 63.8 |
| IV 7000               | 58.1                     | 66.2 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5  | 66.5 | 66.5  | 66.7 |
| IV 6000               | 58.6                     | 66.7 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1  | 67.1 | 67.1  | 67.2 |
| IV 5000               | 58.7                     | 67.0 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3 | 67.3  | 67.5 |
| IV 4500               | 59.7                     | 68.3 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7  | 68.7 | 68.7  | 68.8 |
| IV 4000               | 60.9                     | 69.6 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3  | 70.3 | 70.3  | 70.5 |
| IV 3500               | 63.0                     | 72.6 | 73.6 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9  | 73.9 | 73.9  | 74.0 |
| IV 3000               | 63.9                     | 75.0 | 76.5 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9  | 76.9 | 76.9  | 77.1 |
| IV 2500               | 65.7                     | 78.3 | 80.6 | 80.8 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7  | 81.7 | 81.7  | 81.9 |
| IV 2000               | 67.2                     | 81.5 | 84.2 | 84.4 | 85.7 | 85.7 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0  | 86.0 | 86.0  | 86.3 |
| IV 1800               | 67.5                     | 82.5 | 85.7 | 86.3 | 88.0 | 88.0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3  | 88.3 | 88.3  | 88.6 |
| IV 1500               | 67.7                     | 82.8 | 85.9 | 86.5 | 88.3 | 88.3 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.9 |
| IV 1200               | 67.9                     | 83.7 | 87.3 | 88.1 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6  | 90.6 | 90.6  | 91.0 |
| IV 1000               | 68.0                     | 84.6 | 88.2 | 89.2 | 91.3 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 92.0 | 92.0  | 92.0 | 92.0  | 92.2 |
| IV 900                | 68.0                     | 85.1 | 89.2 | 90.2 | 92.6 | 92.6 | 93.0 | 93.0 | 93.0 | 93.0 | 93.3 | 93.4  | 93.4 | 93.5  | 93.8 |
| IV 800                | 68.0                     | 85.4 | 89.6 | 90.7 | 93.1 | 93.1 | 93.5 | 93.5 | 93.5 | 93.5 | 93.9 | 94.0  | 94.0 | 94.1  | 94.4 |
| IV 700                | 68.0                     | 85.5 | 89.9 | 91.1 | 93.7 | 93.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.7 | 94.9  | 94.9 | 95.1  | 95.7 |
| IV 600                | 68.0                     | 85.6 | 90.0 | 91.2 | 94.0 | 94.0 | 94.6 | 94.6 | 94.6 | 95.0 | 95.2 | 95.2  | 95.2 | 95.5  | 96.2 |
| IV 500                | 68.0                     | 85.6 | 90.1 | 91.5 | 94.5 | 94.5 | 95.3 | 95.3 | 95.3 | 95.8 | 95.9 | 95.9  | 96.3 | 96.4  | 96.9 |
| IV 400                | 68.0                     | 85.6 | 90.1 | 91.6 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 96.4 | 96.7 | 96.7  | 97.1 | 97.2  | 98.0 |
| IV 300                | 68.0                     | 85.6 | 90.1 | 91.6 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 96.4 | 96.9 | 96.9  | 97.5 | 97.7  | 98.6 |
| IV 200                | 68.0                     | 85.6 | 90.1 | 91.6 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 96.4 | 96.9 | 96.9  | 97.5 | 97.7  | 98.6 |
| IV 100                | 68.0                     | 85.6 | 90.1 | 91.6 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 96.4 | 96.9 | 96.9  | 97.5 | 97.7  | 98.8 |
| IV 0                  | 68.0                     | 85.6 | 90.1 | 91.6 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 96.4 | 96.9 | 96.9  | 97.5 | 97.7  | 98.8 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSULP-C KOREA/CHEJU-DC ROK K-39

55-67

MAY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 0   |
| NO CEILING        | 22.8                       | 31.3 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5  | 31.5 | 31.5  | 31.5  | 31.5  |
| ≥ 20000           | 32.3                       | 45.4 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7  | 45.7 | 45.7  | 45.7  | 45.7  |
| IV 18000          | 32.8                       | 46.0 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2  | 46.2 | 46.2  | 46.2  | 46.2  |
| IV 16000          | 33.3                       | 46.6 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8  | 46.8  |
| IV 14000          | 37.1                       | 51.0 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3  | 51.3 | 51.3  | 51.3  | 51.3  |
| IV 12000          | 41.4                       | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8  | 57.8 | 57.8  | 57.8  | 57.8  |
| IV 10000          | 46.4                       | 64.4 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7  | 64.7 | 64.7  | 64.7  | 64.7  |
| IV 9000           | 46.5                       | 64.4 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8  | 64.8 | 64.8  | 64.8  | 64.8  |
| IV 8000           | 48.3                       | 66.7 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1  | 67.1 | 67.1  | 67.1  | 67.1  |
| IV 7000           | 48.5                       | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  | 67.2 | 67.2  | 67.2  | 67.2  |
| IV 6000           | 48.9                       | 67.7 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1  | 68.1 | 68.1  | 68.1  | 68.1  |
| IV 5000           | 49.6                       | 69.4 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7  | 69.7 | 69.7  | 69.7  | 69.7  |
| IV 4500           | 50.5                       | 70.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1  | 71.1  | 71.1  |
| IV 4000           | 51.7                       | 73.5 | 73.9 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2  | 74.2 | 74.2  | 74.2  | 74.2  |
| IV 3500           | 52.1                       | 75.0 | 75.6 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0  | 76.0 | 76.0  | 76.0  | 76.0  |
| IV 3000           | 53.8                       | 78.1 | 79.0 | 79.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6  | 79.6 | 79.6  | 79.6  | 79.6  |
| IV 2500           | 54.5                       | 80.5 | 82.1 | 82.7 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9  | 83.9 | 83.9  | 83.9  | 83.9  |
| IV 2000           | 54.7                       | 82.1 | 83.9 | 84.4 | 86.1 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5  | 86.5 | 86.5  | 86.5  | 86.5  |
| IV 1800           | 54.7                       | 82.1 | 84.0 | 84.5 | 86.2 | 86.2 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6  | 86.6 | 86.6  | 86.6  | 86.6  |
| IV 1500           | 54.8                       | 83.0 | 85.4 | 86.2 | 88.4 | 88.4 | 88.8 | 88.8 | 88.8 | 88.8 | 89.7 | 89.7  | 89.7 | 89.8  | 89.8  | 89.8  |
| IV 1200           | 54.9                       | 83.9 | 86.3 | 87.3 | 89.9 | 90.0 | 90.5 | 90.5 | 90.5 | 91.3 | 91.3 | 91.3  | 91.6 | 91.6  | 91.6  | 91.6  |
| IV 1000           | 55.1                       | 84.4 | 86.9 | 88.2 | 91.0 | 91.1 | 91.6 | 91.6 | 91.6 | 92.6 | 92.6 | 92.6  | 92.8 | 92.8  | 92.8  | 92.8  |
| IV 900            | 55.1                       | 84.5 | 87.6 | 88.8 | 91.6 | 91.7 | 92.3 | 92.3 | 92.3 | 93.2 | 93.3 | 93.3  | 93.5 | 93.5  | 93.5  | 93.5  |
| IV 800            | 55.1                       | 84.5 | 87.6 | 88.9 | 91.7 | 91.8 | 92.8 | 92.9 | 92.9 | 94.0 | 94.2 | 94.2  | 94.5 | 94.5  | 94.5  | 94.7  |
| IV 700            | 55.1                       | 84.5 | 87.9 | 89.2 | 92.1 | 92.1 | 93.2 | 93.3 | 93.3 | 94.7 | 95.0 | 95.0  | 95.5 | 95.5  | 95.6  | 95.8  |
| IV 600            | 55.1                       | 84.5 | 87.9 | 89.4 | 92.4 | 92.5 | 93.5 | 93.6 | 93.6 | 95.0 | 95.3 | 95.3  | 95.9 | 95.9  | 96.3  | 96.5  |
| IV 500            | 55.1                       | 84.5 | 87.9 | 89.4 | 92.6 | 92.7 | 93.8 | 93.9 | 93.9 | 95.4 | 95.8 | 95.8  | 96.4 | 96.4  | 97.0  | 97.4  |
| IV 400            | 55.1                       | 84.5 | 87.9 | 89.4 | 92.6 | 92.7 | 93.8 | 93.9 | 93.9 | 95.4 | 95.8 | 95.8  | 96.4 | 96.5  | 97.2  | 97.6  |
| IV 300            | 55.1                       | 84.5 | 87.9 | 89.4 | 92.6 | 92.7 | 93.8 | 93.9 | 93.9 | 95.4 | 95.8 | 95.8  | 96.7 | 96.8  | 97.4  | 97.9  |
| IV 200            | 55.1                       | 84.5 | 87.9 | 89.4 | 92.6 | 92.7 | 93.8 | 93.9 | 93.9 | 95.4 | 95.8 | 95.8  | 96.7 | 96.8  | 97.7  | 98.8  |
| IV 100            | 55.1                       | 84.5 | 87.9 | 89.4 | 92.6 | 92.7 | 93.8 | 93.9 | 93.9 | 95.4 | 95.8 | 95.8  | 96.7 | 96.8  | 97.7  | 99.3  |
| IV 0              | 55.1                       | 84.5 | 87.9 | 89.4 | 92.6 | 92.7 | 93.8 | 93.9 | 93.9 | 95.4 | 95.8 | 95.8  | 96.7 | 96.8  | 97.7  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSULP-0 KOREA/CHEJU-00 ROK K-39 55-67

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |         |         |      |       |       |       |        |       |        |
|-----------------|--------------------------|------|------|------|------|------|------|---------|---------|------|-------|-------|-------|--------|-------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1  | ≥ 3/4 | ≥ 5/8 | ≥ 1/2 | ≥ 3/10 | ≥ 1/4 | ≥ 1/10 |
| NO CEILING      | 17.8                     | 36.4 | 36.8 | 36.8 | 36.8 | 35.8 | 36.9 | 36.9    | 36.9    | 36.9 | 36.9  | 36.9  | 36.9  | 36.9   | 36.9  | 36.9   |
| ≥ 20000         | 22.3                     | 48.2 | 48.8 | 48.9 | 48.9 | 48.9 | 49.0 | 49.0    | 49.0    | 49.0 | 49.0  | 49.0  | 49.0  | 49.0   | 49.0  | 49.0   |
| IV 18000        | 22.4                     | 48.3 | 48.9 | 49.0 | 49.0 | 49.0 | 49.1 | 49.1    | 49.1    | 49.1 | 49.1  | 49.1  | 49.1  | 49.1   | 49.1  | 49.1   |
| IV 16000        | 22.6                     | 48.6 | 49.3 | 49.3 | 49.3 | 49.3 | 49.4 | 49.4    | 49.4    | 49.4 | 49.4  | 49.4  | 49.4  | 49.4   | 49.4  | 49.4   |
| IV 14000        | 24.7                     | 52.0 | 52.7 | 52.8 | 52.8 | 52.8 | 52.9 | 52.9    | 52.9    | 52.9 | 52.9  | 52.9  | 52.9  | 52.9   | 52.9  | 52.9   |
| IV 12000        | 28.7                     | 57.4 | 58.1 | 58.3 | 58.3 | 58.3 | 58.4 | 58.4    | 58.4    | 58.4 | 58.4  | 58.4  | 58.4  | 58.4   | 58.4  | 58.4   |
| IV 10000        | 31.5                     | 62.0 | 62.7 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2    | 63.2    | 63.2 | 63.2  | 63.2  | 63.2  | 63.2   | 63.2  | 63.2   |
| IV 9000         | 31.8                     | 62.3 | 63.0 | 63.3 | 63.3 | 63.3 | 63.4 | 63.4    | 63.4    | 63.4 | 63.4  | 63.4  | 63.4  | 63.4   | 63.4  | 63.4   |
| IV 8000         | 33.5                     | 65.5 | 66.3 | 66.6 | 66.6 | 66.6 | 66.7 | 66.7    | 66.7    | 66.7 | 66.7  | 66.7  | 66.7  | 66.7   | 66.7  | 66.7   |
| IV 7000         | 33.9                     | 66.1 | 67.0 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4    | 67.4    | 67.4 | 67.4  | 67.4  | 67.4  | 67.4   | 67.4  | 67.4   |
| IV 6000         | 33.9                     | 66.6 | 67.5 | 67.8 | 67.8 | 67.8 | 67.9 | 67.9    | 67.9    | 67.9 | 67.9  | 67.9  | 67.9  | 67.9   | 67.9  | 67.9   |
| IV 5000         | 34.3                     | 68.8 | 69.6 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0    | 70.0    | 70.0 | 70.0  | 70.0  | 70.0  | 70.0   | 70.0  | 70.0   |
| IV 4500         | 34.4                     | 70.0 | 70.8 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3    | 71.3    | 71.3 | 71.3  | 71.3  | 71.3  | 71.3   | 71.3  | 71.3   |
| IV 4000         | 35.2                     | 72.5 | 73.4 | 73.8 | 73.8 | 73.8 | 73.9 | 73.9    | 73.9    | 73.9 | 73.9  | 73.9  | 73.9  | 73.9   | 73.9  | 73.9   |
| IV 3500         | 35.4                     | 74.3 | 75.4 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9    | 75.9    | 75.9 | 75.9  | 75.9  | 75.9  | 75.9   | 75.9  | 75.9   |
| IV 3000         | 37.1                     | 78.4 | 80.0 | 80.8 | 81.0 | 81.0 | 81.3 | 81.3    | 81.3    | 81.3 | 81.3  | 81.3  | 81.3  | 81.3   | 81.3  | 81.3   |
| IV 2500         | 37.1                     | 80.2 | 82.5 | 84.1 | 84.9 | 84.9 | 85.2 | 85.2    | 85.2    | 85.2 | 85.2  | 85.2  | 85.2  | 85.2   | 85.2  | 85.2   |
| IV 2000         | 37.2                     | 81.5 | 84.0 | 86.2 | 87.6 | 87.6 | 88.6 | 88.6    | 88.6    | 88.6 | 88.6  | 88.6  | 88.6  | 88.6   | 88.6  | 88.6   |
| IV 1800         | 37.2                     | 81.9 | 84.4 | 86.6 | 88.0 | 88.0 | 89.2 | 89.2    | 89.2    | 89.2 | 89.2  | 89.2  | 89.2  | 89.2   | 89.2  | 89.2   |
| IV 1500         | 37.2                     | 82.4 | 85.5 | 87.8 | 89.7 | 89.8 | 91.3 | 91.3    | 91.3    | 91.6 | 91.8  | 91.8  | 91.8  | 91.8   | 91.8  | 91.8   |
| IV 1200         | 37.2                     | 82.5 | 85.6 | 88.0 | 90.0 | 90.1 | 91.7 | 91.7    | 91.7    | 92.0 | 92.2  | 92.2  | 92.2  | 92.2   | 92.2  | 92.2   |
| IV 1000         | 37.2                     | 83.0 | 86.2 | 88.8 | 90.8 | 90.9 | 92.7 | 92.7    | 92.7    | 93.0 | 93.4  | 93.4  | 93.4  | 93.4   | 93.4  | 93.4   |
| IV 900          | 37.2                     | 83.0 | 86.2 | 88.9 | 90.9 | 91.0 | 92.8 | 92.9    | 92.9    | 93.4 | 93.7  | 93.7  | 93.7  | 93.7   | 93.7  | 93.7   |
| IV 800          | 37.2                     | 83.0 | 86.2 | 88.9 | 90.9 | 91.0 | 93.0 | 93.1    | 93.1    | 93.9 | 94.2  | 94.2  | 94.4  | 94.4   | 94.4  | 94.4   |
| IV 700          | 37.2                     | 83.0 | 86.4 | 89.2 | 91.3 | 91.4 | 93.5 | 93.5    | 93.5    | 94.4 | 94.7  | 94.7  | 95.0  | 95.0   | 95.0  | 95.0   |
| IV 600          | 37.2                     | 83.0 | 86.5 | 89.2 | 91.4 | 91.5 | 93.6 | 93.7    | 93.7    | 94.8 | 95.1  | 95.1  | 95.5  | 95.5   | 95.8  | 96.0   |
| IV 500          | 37.2                     | 83.0 | 86.5 | 89.2 | 91.6 | 91.7 | 93.9 | 94.0    | 94.0    | 95.4 | 95.7  | 95.7  | 96.3  | 96.3   | 96.9  | 97.2   |
| IV 400          | 37.2                     | 83.0 | 86.5 | 89.2 | 91.6 | 91.7 | 93.9 | 94.0    | 94.0    | 95.4 | 95.9  | 95.9  | 96.7  | 96.7   | 97.7  | 97.9   |
| IV 300          | 37.2                     | 83.0 | 86.5 | 89.2 | 91.6 | 91.7 | 93.9 | 94.0    | 94.0    | 95.4 | 95.9  | 95.9  | 96.8  | 96.8   | 97.8  | 98.5   |
| IV 200          | 37.2                     | 83.0 | 86.5 | 89.2 | 91.6 | 91.7 | 93.9 | 94.0    | 94.0    | 95.4 | 95.9  | 95.9  | 96.8  | 96.8   | 97.8  | 98.6   |
| IV 100          | 37.2                     | 83.0 | 86.5 | 89.2 | 91.6 | 91.7 | 93.9 | 94.0    | 94.0    | 95.4 | 95.9  | 95.9  | 96.9  | 96.9   | 97.9  | 99.0   |
| IV 0            | 37.2                     | 83.0 | 86.5 | 89.2 | 91.6 | 91.7 | 93.9 | 94.0    | 94.0    | 95.4 | 95.9  | 95.9  | 96.9  | 96.9   | 98.0  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS 1208

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

43263 MSLLP-0 KOREA/CHEJU-DO RCK K-33 55-57 JUL  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0000  
HOURS - MIN

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |        |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|------|------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 9  |
| NO CEILING      | 11.5                       | 29.7 | 29.9 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0  | 30.0 | 30.0   | 30.0 | 30.0 |
| ≥ 20000         | 15.7                       | 43.6 | 43.8 | 43.9 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0  | 44.0 | 44.0   | 44.0 | 44.0 |
| IV 18000        | 16.2                       | 44.1 | 44.3 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5  | 44.5 | 44.5   | 44.5 | 44.5 |
| IV 16000        | 16.2                       | 44.6 | 44.8 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0  | 45.0 | 45.0   | 45.0 | 45.0 |
| IV 14000        | 17.5                       | 47.5 | 47.8 | 47.9 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0  | 48.0 | 48.0   | 48.0 | 48.0 |
| IV 12000        | 18.6                       | 50.7 | 51.4 | 51.5 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8  | 51.8 | 51.8   | 51.8 | 51.8 |
| IV 10000        | 19.7                       | 53.8 | 54.5 | 54.7 | 54.9 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  | 55.0 | 55.0   | 55.0 | 55.0 |
| IV 9000         | 19.7                       | 53.8 | 54.5 | 54.7 | 54.9 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  | 55.0 | 55.0   | 55.0 | 55.0 |
| IV 8000         | 20.8                       | 56.2 | 56.9 | 57.1 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4  | 57.4 | 57.4   | 57.4 | 57.4 |
| IV 7000         | 20.9                       | 56.3 | 57.1 | 57.3 | 57.4 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6  | 57.6 | 57.6   | 57.6 | 57.6 |
| IV 6000         | 20.9                       | 56.8 | 57.7 | 57.9 | 58.0 | 58.0 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2  | 58.2 | 58.2   | 58.2 | 58.2 |
| IV 5000         | 21.3                       | 57.8 | 59.0 | 59.1 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6  | 59.8 | 59.8   | 59.9 | 59.9 |
| IV 4500         | 21.4                       | 58.5 | 60.0 | 60.2 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6  | 60.9 | 60.9   | 61.1 | 61.1 |
| IV 4000         | 22.8                       | 61.4 | 62.9 | 63.2 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8  | 64.0 | 64.0   | 64.4 | 64.4 |
| IV 3500         | 23.1                       | 63.2 | 65.0 | 65.4 | 65.7 | 65.7 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0  | 66.2 | 66.2   | 66.7 | 66.7 |
| IV 3000         | 24.0                       | 67.8 | 70.2 | 71.1 | 72.1 | 72.1 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 73.2 | 73.2   | 73.8 | 73.8 |
| IV 2500         | 25.0                       | 71.1 | 74.3 | 75.8 | 77.7 | 77.8 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4  | 78.9 | 78.9   | 79.6 | 79.6 |
| IV 2000         | 25.6                       | 73.1 | 76.7 | 79.0 | 81.5 | 81.7 | 82.5 | 82.5 | 82.5 | 82.6 | 82.7 | 82.7  | 83.3 | 83.3   | 84.0 | 84.0 |
| IV 1800         | 25.6                       | 73.2 | 76.9 | 79.4 | 82.1 | 82.2 | 83.0 | 83.0 | 83.0 | 83.1 | 83.2 | 83.2  | 83.8 | 83.8   | 84.5 | 84.5 |
| IV 1500         | 25.7                       | 74.1 | 78.1 | 81.0 | 84.1 | 84.3 | 85.0 | 85.0 | 85.0 | 85.4 | 85.6 | 85.6  | 86.2 | 86.2   | 86.9 | 86.9 |
| IV 1200         | 25.7                       | 74.5 | 78.8 | 81.8 | 85.0 | 85.3 | 86.2 | 86.2 | 86.2 | 86.7 | 86.9 | 86.9  | 87.5 | 87.5   | 88.2 | 88.4 |
| IV 1000         | 25.7                       | 74.9 | 79.3 | 82.3 | 85.7 | 86.0 | 87.0 | 87.0 | 87.0 | 88.1 | 88.4 | 88.4  | 89.2 | 89.2   | 89.9 | 90.2 |
| IV 900          | 25.7                       | 74.9 | 79.3 | 82.3 | 85.7 | 86.0 | 87.1 | 87.1 | 87.1 | 88.2 | 88.5 | 88.5  | 89.3 | 89.3   | 90.0 | 90.3 |
| IV 800          | 25.7                       | 75.0 | 79.5 | 82.5 | 86.1 | 86.3 | 87.8 | 87.9 | 87.9 | 89.6 | 89.8 | 89.8  | 90.9 | 90.9   | 91.6 | 91.9 |
| IV 700          | 25.7                       | 75.0 | 79.5 | 82.5 | 86.7 | 86.9 | 88.5 | 88.6 | 88.6 | 90.5 | 90.8 | 90.8  | 91.9 | 91.9   | 92.6 | 92.8 |
| IV 600          | 25.7                       | 75.1 | 79.7 | 82.8 | 87.3 | 87.5 | 89.1 | 89.2 | 89.2 | 91.4 | 91.6 | 91.6  | 92.8 | 92.8   | 93.5 | 93.8 |
| IV 500          | 25.7                       | 75.1 | 79.7 | 82.8 | 87.3 | 87.5 | 89.1 | 89.2 | 89.2 | 91.4 | 91.9 | 91.9  | 93.2 | 93.2   | 94.1 | 94.6 |
| IV 400          | 25.7                       | 75.1 | 79.7 | 82.8 | 87.3 | 87.5 | 89.1 | 89.2 | 89.2 | 91.4 | 91.9 | 91.9  | 93.3 | 93.3   | 94.4 | 95.0 |
| IV 300          | 25.7                       | 75.1 | 79.7 | 82.8 | 87.3 | 87.5 | 89.2 | 89.3 | 89.3 | 91.5 | 92.0 | 92.0  | 93.8 | 93.8   | 95.0 | 96.3 |
| IV 200          | 25.7                       | 75.1 | 79.7 | 82.8 | 87.3 | 87.5 | 89.2 | 89.3 | 89.3 | 91.5 | 92.0 | 92.0  | 94.0 | 94.0   | 95.6 | 97.0 |
| IV 100          | 25.7                       | 75.1 | 79.7 | 82.8 | 87.3 | 87.5 | 89.2 | 89.3 | 89.3 | 91.5 | 92.0 | 92.0  | 94.2 | 94.2   | 95.8 | 97.9 |
| IV 0            | 25.7                       | 75.1 | 79.7 | 82.8 | 87.3 | 87.5 | 89.2 | 89.3 | 89.3 | 91.5 | 92.0 | 92.0  | 94.2 | 94.2   | 95.8 | 97.9 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAL, USAF  
ASHFVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSLLP-0 KOREA/CHEJU-DO ROK K-39

55-67

JUL

STATION

STATION NAME

CLASS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2400-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ⅝  | ≥ ½  | ≥ ⅓  | ≥ ¼  | ≥ 0   |
| NO CEILING      | 12.3                     | 26.4 | 26.7 | 26.7 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9  |
| ≥ 20000         | 17.4                     | 40.8 | 41.1 | 41.2 | 41.3 | 41.3 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.6 | 41.6 | 41.6  |
| IV 18000        | 17.6                     | 41.2 | 41.5 | 41.6 | 41.7 | 41.7 | 41.9 | 41.9 | 41.9 | 42.0 | 42.0 | 42.0 | 42.1 | 42.1 | 42.1 | 42.1  |
| IV 16000        | 17.7                     | 41.6 | 42.0 | 42.1 | 42.1 | 42.1 | 42.3 | 42.3 | 42.3 | 42.4 | 42.4 | 42.4 | 42.5 | 42.5 | 42.5 | 42.5  |
| IV 14000        | 18.5                     | 43.4 | 43.8 | 43.8 | 43.9 | 43.9 | 44.1 | 44.1 | 44.1 | 44.2 | 44.2 | 44.2 | 44.3 | 44.3 | 44.3 | 44.3  |
| IV 12000        | 20.3                     | 47.4 | 47.9 | 47.9 | 48.0 | 48.0 | 48.2 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.4  |
| IV 10000        | 22.1                     | 51.7 | 52.2 | 52.4 | 52.5 | 52.5 | 52.7 | 52.7 | 52.7 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0  |
| IV 9000         | 22.5                     | 52.1 | 52.6 | 52.7 | 52.8 | 52.8 | 53.1 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3  |
| IV 8000         | 23.5                     | 54.3 | 55.0 | 55.3 | 55.5 | 55.5 | 55.7 | 55.7 | 55.7 | 56.0 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 | 56.1  |
| IV 7000         | 23.6                     | 54.5 | 55.3 | 55.6 | 55.7 | 55.7 | 56.0 | 56.0 | 56.0 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3  |
| IV 6000         | 23.7                     | 55.2 | 56.1 | 56.3 | 56.6 | 56.6 | 56.8 | 56.9 | 56.9 | 57.2 | 57.2 | 57.2 | 57.4 | 57.4 | 57.4 | 57.4  |
| IV 5000         | 23.8                     | 55.9 | 57.0 | 57.3 | 57.5 | 57.5 | 57.9 | 58.0 | 58.0 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.6 | 58.6  |
| IV 4500         | 23.9                     | 57.0 | 58.1 | 58.5 | 58.7 | 58.7 | 59.1 | 59.2 | 59.2 | 59.6 | 59.6 | 59.6 | 59.7 | 59.7 | 60.1 | 60.1  |
| IV 4000         | 25.2                     | 59.4 | 60.8 | 61.4 | 61.8 | 61.8 | 62.2 | 62.3 | 62.3 | 62.7 | 62.7 | 62.7 | 63.1 | 63.1 | 63.6 | 63.7  |
| IV 3500         | 25.5                     | 61.0 | 62.6 | 63.2 | 63.8 | 63.8 | 64.2 | 64.3 | 64.3 | 64.9 | 64.9 | 64.9 | 65.2 | 65.2 | 65.7 | 65.8  |
| IV 3000         | 27.2                     | 65.5 | 67.8 | 69.1 | 69.6 | 69.6 | 70.0 | 70.1 | 70.1 | 70.8 | 70.8 | 70.8 | 71.1 | 71.1 | 71.6 | 71.7  |
| IV 2500         | 27.7                     | 69.1 | 72.3 | 74.0 | 75.0 | 75.0 | 75.7 | 75.8 | 75.8 | 76.6 | 76.6 | 76.6 | 76.9 | 76.9 | 77.4 | 77.5  |
| IV 2000         | 28.1                     | 71.5 | 75.6 | 77.6 | 79.4 | 79.4 | 80.6 | 80.7 | 80.7 | 81.5 | 81.6 | 81.6 | 82.1 | 82.1 | 82.6 | 82.6  |
| IV 1800         | 28.1                     | 71.5 | 75.6 | 77.7 | 79.6 | 79.6 | 80.8 | 80.9 | 80.9 | 81.8 | 81.9 | 81.9 | 82.3 | 82.3 | 82.8 | 82.9  |
| IV 1500         | 28.2                     | 72.1 | 76.5 | 78.9 | 81.1 | 81.1 | 82.6 | 82.8 | 82.8 | 83.8 | 84.1 | 84.1 | 84.9 | 84.9 | 85.5 | 85.6  |
| IV 1200         | 28.2                     | 72.3 | 76.8 | 79.4 | 81.8 | 82.1 | 83.8 | 83.9 | 83.9 | 85.2 | 85.5 | 85.5 | 86.2 | 86.2 | 86.8 | 87.1  |
| IV 1000         | 28.2                     | 72.6 | 77.4 | 79.9 | 82.6 | 83.1 | 85.3 | 85.3 | 85.3 | 86.9 | 87.3 | 87.3 | 88.1 | 88.1 | 88.7 | 89.0  |
| IV 900          | 28.2                     | 72.6 | 77.4 | 79.9 | 82.6 | 83.1 | 85.3 | 85.5 | 85.5 | 87.2 | 87.5 | 87.5 | 88.4 | 88.4 | 89.0 | 89.0  |
| IV 800          | 28.3                     | 72.7 | 77.5 | 80.2 | 83.2 | 83.6 | 86.4 | 86.7 | 86.7 | 88.7 | 89.1 | 89.1 | 90.4 | 90.4 | 91.0 | 91.3  |
| IV 700          | 28.3                     | 72.7 | 77.6 | 80.3 | 83.3 | 83.8 | 86.8 | 87.0 | 87.0 | 89.3 | 89.7 | 89.7 | 91.2 | 91.2 | 91.8 | 92.1  |
| IV 600          | 28.3                     | 72.8 | 77.7 | 80.3 | 83.6 | 84.0 | 87.4 | 87.8 | 87.8 | 90.7 | 91.3 | 91.3 | 93.0 | 93.0 | 93.6 | 93.8  |
| IV 500          | 28.3                     | 72.8 | 77.7 | 80.3 | 83.7 | 84.1 | 87.6 | 88.0 | 88.0 | 91.1 | 91.7 | 91.7 | 93.7 | 93.7 | 94.4 | 94.9  |
| IV 400          | 28.3                     | 72.8 | 77.7 | 80.3 | 83.7 | 84.1 | 87.6 | 88.0 | 88.0 | 91.2 | 91.8 | 91.8 | 93.8 | 93.8 | 94.5 | 95.0  |
| IV 300          | 28.3                     | 72.8 | 77.7 | 80.3 | 83.7 | 84.1 | 87.6 | 88.0 | 88.0 | 91.2 | 91.8 | 91.8 | 93.8 | 93.8 | 94.9 | 95.8  |
| IV 200          | 28.3                     | 72.8 | 77.7 | 80.3 | 83.7 | 84.1 | 87.6 | 88.0 | 88.0 | 91.3 | 91.9 | 91.9 | 93.9 | 93.9 | 95.6 | 96.7  |
| IV 100          | 28.3                     | 72.8 | 77.7 | 80.3 | 83.7 | 84.1 | 87.6 | 88.0 | 88.0 | 91.3 | 91.9 | 91.9 | 93.9 | 93.9 | 95.8 | 97.4  |
| IV 0            | 28.3                     | 72.8 | 77.7 | 80.3 | 83.7 | 84.1 | 87.6 | 88.0 | 88.0 | 91.3 | 91.9 | 91.9 | 93.9 | 93.9 | 95.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MOSULP-G KOREA/CHEJU-DO RCK K-39

55-67

JUL  
1965

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1665-1705

| CEILING<br>FEET       | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                       | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ⅝  | ≥ ½  | ≥ ⅓  | ≥ ¼  | ≥ ⅒   |
| NO CEILING<br>≥ 20000 | 17.5                     | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2  |
| IV 18000              | 28.8                     | 37.4 | 37.6 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0  |
| IV 16000              | 29.4                     | 37.9 | 38.2 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6  |
| IV 14000              | 29.9                     | 38.5 | 38.6 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2  |
| IV 12000              | 32.6                     | 41.8 | 42.1 | 42.4 | 42.4 | 42.4 | 42.4 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6  |
| IV 10000              | 36.3                     | 47.7 | 48.4 | 48.7 | 48.8 | 48.8 | 48.8 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0  |
| IV 9000               | 39.0                     | 52.8 | 53.7 | 54.0 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3  |
| IV 8000               | 39.2                     | 53.7 | 54.5 | 54.9 | 55.0 | 55.0 | 55.0 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2  |
| IV 7000               | 40.3                     | 56.1 | 57.3 | 57.6 | 57.9 | 57.9 | 57.9 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2  |
| IV 6000               | 40.3                     | 56.2 | 57.4 | 57.8 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.4 | 58.4  |
| IV 5000               | 40.8                     | 57.5 | 58.7 | 59.1 | 59.6 | 59.6 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.8 | 59.8 | 60.0 | 60.0  |
| IV 4500               | 40.9                     | 57.9 | 59.1 | 59.5 | 60.0 | 60.0 | 60.0 | 60.1 | 60.1 | 60.2 | 60.3 | 60.3 | 60.4 | 60.4 | 60.8 | 60.8  |
| IV 4000               | 40.9                     | 58.5 | 59.9 | 60.3 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 61.0 | 61.0 | 61.2 | 61.2 | 61.5 | 61.6  |
| IV 3500               | 42.1                     | 61.1 | 62.6 | 63.0 | 63.5 | 63.5 | 63.5 | 63.6 | 63.6 | 63.7 | 63.8 | 63.8 | 64.2 | 64.2 | 64.6 | 65.0  |
| IV 3000               | 42.5                     | 62.6 | 64.3 | 64.7 | 65.4 | 65.4 | 65.4 | 65.5 | 65.5 | 65.6 | 65.6 | 65.6 | 66.2 | 66.2 | 66.7 | 67.0  |
| IV 2500               | 43.7                     | 65.6 | 67.8 | 68.2 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.3 | 69.4 | 69.4 | 70.0 | 70.0 | 70.4 | 70.8  |
| IV 2000               | 44.9                     | 69.1 | 72.1 | 73.0 | 74.1 | 74.1 | 74.3 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 75.2 | 75.2 | 75.6 | 76.0  |
| IV 1800               | 45.4                     | 70.6 | 74.0 | 75.6 | 77.2 | 77.2 | 77.7 | 77.8 | 77.8 | 78.2 | 78.5 | 78.5 | 79.3 | 79.3 | 79.7 | 80.2  |
| IV 1500               | 45.4                     | 70.7 | 74.1 | 75.7 | 77.3 | 77.3 | 77.8 | 77.9 | 77.9 | 78.4 | 78.7 | 78.7 | 79.5 | 79.5 | 79.9 | 80.3  |
| IV 1200               | 45.7                     | 71.7 | 75.5 | 77.4 | 79.1 | 79.1 | 79.9 | 80.1 | 80.1 | 80.8 | 81.1 | 81.1 | 82.2 | 82.2 | 82.6 | 83.2  |
| IV 1000               | 45.8                     | 72.1 | 75.9 | 77.8 | 79.7 | 79.7 | 80.5 | 80.7 | 80.7 | 81.5 | 81.9 | 81.9 | 83.1 | 83.1 | 83.6 | 84.3  |
| IV 900                | 46.0                     | 72.8 | 77.0 | 79.1 | 81.5 | 81.5 | 82.5 | 82.7 | 82.7 | 84.0 | 84.6 | 84.6 | 86.2 | 86.2 | 86.7 | 87.6  |
| IV 800                | 46.0                     | 72.9 | 77.3 | 79.6 | 82.1 | 82.1 | 83.2 | 83.5 | 83.5 | 84.8 | 85.4 | 85.4 | 86.9 | 86.9 | 87.4 | 88.5  |
| IV 700                | 46.1                     | 73.2 | 77.6 | 79.9 | 82.6 | 82.6 | 84.1 | 84.5 | 84.5 | 85.8 | 86.7 | 86.7 | 88.4 | 88.4 | 88.9 | 90.0  |
| IV 600                | 46.2                     | 73.2 | 77.7 | 80.1 | 82.8 | 82.8 | 84.6 | 85.2 | 85.2 | 86.6 | 87.4 | 87.4 | 89.1 | 89.1 | 89.7 | 90.9  |
| IV 500                | 46.2                     | 73.4 | 77.9 | 80.7 | 83.4 | 83.4 | 85.4 | 86.2 | 86.2 | 88.3 | 89.1 | 89.1 | 91.1 | 91.1 | 91.7 | 92.6  |
| IV 400                | 46.2                     | 73.4 | 77.9 | 80.9 | 83.8 | 83.8 | 86.0 | 86.9 | 86.9 | 89.1 | 90.0 | 90.0 | 92.1 | 92.1 | 92.7 | 93.9  |
| IV 300                | 46.2                     | 73.4 | 78.0 | 80.9 | 83.9 | 83.9 | 86.2 | 87.1 | 87.1 | 89.4 | 90.3 | 90.3 | 93.1 | 93.1 | 94.1 | 95.6  |
| IV 200                | 46.2                     | 73.4 | 78.0 | 80.9 | 83.9 | 83.9 | 86.2 | 87.1 | 87.1 | 89.5 | 90.5 | 90.5 | 93.7 | 93.8 | 95.3 | 97.0  |
| IV 100                | 46.2                     | 73.4 | 78.0 | 80.9 | 83.9 | 83.9 | 86.2 | 87.1 | 87.1 | 89.5 | 90.5 | 90.5 | 93.7 | 93.8 | 95.6 | 97.7  |
| IV 0                  | 46.2                     | 73.4 | 78.0 | 80.9 | 83.9 | 83.9 | 86.2 | 87.1 | 87.1 | 89.5 | 90.5 | 90.5 | 93.7 | 93.8 | 95.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

42263 MCSLP-C KOREA/CHEJU-DC RCK -39

55-67

JUL

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1901-1900

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0   |
| NO CEILING      | 19.4                     | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5  | 21.5 | 21.5  | 21.5 | 21.5  |
| ≥ 20000         | 36.2                     | 41.2 | 41.4 | 41.4 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5  | 41.5 | 41.5  | 41.6 | 41.6  |
| IV 18000        | 36.9                     | 41.9 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2  | 42.2 | 42.2  | 42.3 | 42.3  |
| IV 16000        | 37.5                     | 42.5 | 42.6 | 42.6 | 42.7 | 42.7 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8  | 42.8 | 42.8  | 42.9 | 42.9  |
| IV 14000        | 39.9                     | 45.6 | 45.7 | 45.7 | 45.8 | 45.8 | 45.8 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9  | 45.9 | 45.9  | 46.0 | 46.0  |
| IV 12000        | 44.9                     | 53.2 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6  | 53.6 | 53.6  | 53.7 | 53.7  |
| IV 10000        | 48.2                     | 59.1 | 59.3 | 59.3 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5  | 59.5 | 59.5  | 59.6 | 59.6  |
| IV 9000         | 48.4                     | 59.6 | 59.7 | 59.7 | 59.8 | 59.8 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9  | 59.9 | 59.9  | 60.0 | 60.0  |
| IV 8000         | 49.9                     | 62.0 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6  | 62.6 | 62.6  | 62.7 | 62.7  |
| IV 7000         | 50.1                     | 62.6 | 62.9 | 62.9 | 63.0 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2  | 63.2 | 63.2  | 63.3 | 63.3  |
| IV 6000         | 50.4                     | 63.4 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.1 | 64.1  | 64.2 | 64.2  | 64.3 | 64.3  |
| IV 5000         | 50.8                     | 64.1 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.7 | 64.7 | 64.7 | 64.8 | 64.8  | 65.2 | 65.2  | 65.5 | 65.5  |
| IV 4500         | 51.5                     | 65.3 | 65.8 | 65.8 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2  | 66.6 | 66.6  | 66.8 | 66.8  |
| IV 4000         | 52.7                     | 67.9 | 68.6 | 68.6 | 68.8 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0  | 69.8 | 69.8  | 70.2 | 70.2  |
| IV 3500         | 53.5                     | 69.3 | 70.2 | 70.2 | 70.6 | 70.6 | 70.6 | 70.7 | 70.7 | 70.7 | 70.8 | 70.8  | 71.6 | 71.6  | 72.2 | 72.2  |
| IV 3000         | 54.6                     | 72.5 | 73.7 | 73.8 | 74.2 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4  | 75.3 | 75.3  | 75.9 | 75.9  |
| IV 2500         | 55.6                     | 75.5 | 76.8 | 77.2 | 77.9 | 77.9 | 78.2 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4  | 79.2 | 79.2  | 79.9 | 79.9  |
| IV 2000         | 55.8                     | 76.5 | 78.2 | 79.3 | 80.5 | 80.5 | 80.9 | 81.0 | 81.0 | 81.2 | 81.3 | 81.3  | 82.3 | 82.3  | 83.0 | 83.0  |
| IV 1800         | 55.8                     | 76.5 | 78.2 | 79.3 | 80.7 | 80.7 | 81.1 | 81.2 | 81.2 | 81.5 | 81.6 | 81.6  | 82.6 | 82.6  | 83.3 | 83.3  |
| IV 1500         | 56.2                     | 77.4 | 79.1 | 80.3 | 81.7 | 81.7 | 82.4 | 82.5 | 82.5 | 83.2 | 83.4 | 83.4  | 84.9 | 84.9  | 85.6 | 85.7  |
| IV 1200         | 56.5                     | 78.5 | 80.2 | 81.6 | 83.4 | 83.5 | 84.3 | 84.4 | 84.4 | 85.1 | 85.4 | 85.4  | 86.9 | 86.9  | 87.7 | 87.9  |
| IV 1000         | 56.8                     | 78.7 | 80.7 | 82.2 | 84.1 | 84.3 | 85.1 | 85.4 | 85.4 | 86.1 | 86.4 | 86.4  | 88.1 | 88.1  | 88.9 | 89.1  |
| IV 900          | 56.8                     | 78.8 | 80.8 | 82.3 | 84.2 | 84.4 | 85.3 | 85.6 | 85.6 | 86.3 | 86.7 | 86.7  | 88.4 | 88.4  | 89.1 | 89.4  |
| IV 800          | 56.8                     | 79.0 | 80.9 | 82.5 | 84.9 | 85.0 | 86.2 | 86.4 | 86.4 | 87.4 | 87.9 | 87.9  | 89.8 | 89.8  | 90.6 | 90.9  |
| IV 700          | 56.8                     | 79.1 | 81.1 | 82.6 | 85.3 | 85.5 | 86.8 | 87.0 | 87.1 | 88.2 | 88.6 | 88.9  | 90.8 | 90.8  | 91.5 | 91.8  |
| IV 600          | 56.8                     | 79.2 | 81.2 | 82.8 | 85.6 | 85.9 | 87.6 | 87.9 | 87.9 | 89.4 | 89.8 | 90.1  | 92.0 | 92.0  | 92.9 | 93.2  |
| IV 500          | 56.8                     | 79.2 | 81.2 | 83.0 | 86.2 | 86.5 | 88.5 | 88.8 | 88.9 | 90.5 | 91.0 | 91.3  | 93.6 | 93.6  | 94.7 | 95.0  |
| IV 400          | 56.8                     | 79.2 | 81.3 | 83.1 | 86.3 | 86.6 | 88.5 | 88.9 | 89.0 | 90.8 | 91.3 | 91.5  | 93.9 | 93.9  | 95.3 | 95.8  |
| IV 300          | 56.8                     | 79.2 | 81.3 | 83.1 | 86.3 | 86.6 | 88.5 | 88.9 | 89.0 | 90.9 | 91.6 | 91.9  | 95.2 | 95.3  | 97.4 | 98.5  |
| IV 200          | 56.8                     | 79.2 | 81.3 | 83.1 | 86.3 | 86.6 | 88.5 | 88.9 | 89.0 | 90.9 | 91.6 | 91.9  | 95.4 | 95.5  | 97.8 | 99.3  |
| IV 100          | 56.8                     | 79.2 | 81.3 | 83.1 | 86.4 | 86.7 | 88.6 | 89.0 | 89.1 | 90.9 | 91.7 | 92.0  | 95.5 | 95.6  | 97.9 | 100.0 |
| IV 0            | 56.8                     | 79.2 | 81.3 | 83.1 | 86.4 | 86.7 | 88.6 | 89.0 | 89.1 | 90.9 | 91.7 | 92.0  | 95.5 | 95.6  | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MCSLLP-C KOREA/CHEJU-DC RCK K-34  
STATION NAME

55-67  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 19.7                     | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8  | 20.8 | 20.8  | 20.8  | 20.6  |
| ≥ 20000         | 40.4                     | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0  | 44.0 | 44.0  | 44.0  | 44.0  |
| ≥ 15000         | 40.7                     | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3  | 44.3 | 44.3  | 44.3  | 44.3  |
| ≥ 16000         | 41.1                     | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7  | 44.7 | 44.7  | 44.7  | 44.7  |
| IV 14000        | 44.1                     | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6  | 48.6 | 48.6  | 48.6  | 48.6  |
| IV 12000        | 48.5                     | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  | 55.0 | 55.0  | 55.0  | 55.0  |
| IV 10000        | 52.7                     | 61.0 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2  | 61.2 | 61.2  | 61.2  | 61.2  |
| IV 9000         | 53.2                     | 61.5 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7  | 61.7 | 61.7  | 61.7  | 61.7  |
| IV 8000         | 54.0                     | 63.8 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0  | 64.0 | 64.0  | 64.0  | 64.0  |
| IV 7000         | 54.4                     | 64.4 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6  | 64.6 | 64.6  | 64.6  | 64.6  |
| IV 6000         | 54.6                     | 64.7 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9  | 64.9 | 64.9  | 64.9  | 64.9  |
| IV 5000         | 54.9                     | 65.3 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  | 65.5 | 66.0  | 66.0  | 66.0  |
| IV 4500         | 55.4                     | 66.4 | 66.5 | 66.6 | 66.7 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8  | 66.8 | 67.3  | 67.3  | 67.3  |
| IV 4000         | 56.7                     | 69.1 | 69.1 | 69.2 | 69.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.5 | 69.6 | 69.6  | 70.3 | 70.3  | 70.3  | 70.3  |
| IV 3500         | 57.4                     | 70.9 | 71.0 | 71.2 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.5 | 71.7 | 71.7  | 72.5 | 72.5  | 72.6  | 72.6  |
| IV 3000         | 59.1                     | 74.4 | 74.7 | 75.0 | 75.1 | 75.1 | 75.6 | 75.6 | 75.6 | 75.6 | 75.9 | 75.9  | 76.7 | 76.7  | 76.8  | 76.8  |
| IV 2500         | 60.6                     | 78.2 | 78.6 | 79.0 | 79.2 | 79.2 | 79.8 | 79.8 | 79.8 | 80.0 | 80.3 | 80.3  | 81.0 | 81.0  | 81.1  | 81.1  |
| IV 2000         | 60.9                     | 79.1 | 80.0 | 80.6 | 81.4 | 81.4 | 82.1 | 82.1 | 82.1 | 82.3 | 82.6 | 82.6  | 83.5 | 83.5  | 83.8  | 83.8  |
| IV 1800         | 60.9                     | 79.1 | 80.1 | 80.7 | 81.5 | 81.5 | 82.5 | 82.5 | 82.5 | 82.7 | 83.0 | 83.0  | 83.9 | 83.9  | 84.2  | 84.2  |
| IV 1500         | 61.1                     | 79.7 | 80.9 | 81.5 | 82.9 | 83.0 | 84.1 | 84.2 | 84.2 | 85.0 | 85.5 | 85.5  | 86.6 | 86.6  | 86.9  | 87.2  |
| IV 1200         | 61.1                     | 80.8 | 82.1 | 82.7 | 84.2 | 84.3 | 85.4 | 85.5 | 85.5 | 86.3 | 86.8 | 86.8  | 87.9 | 87.9  | 88.3  | 88.5  |
| IV 1000         | 61.5                     | 81.6 | 83.0 | 83.8 | 85.5 | 85.6 | 86.7 | 86.8 | 86.8 | 87.9 | 88.3 | 88.3  | 89.5 | 89.5  | 89.8  | 90.1  |
| IV 900          | 61.5                     | 81.9 | 83.2 | 84.0 | 85.7 | 85.8 | 86.9 | 87.0 | 87.0 | 88.3 | 88.8 | 88.8  | 90.0 | 90.0  | 90.3  | 90.6  |
| IV 800          | 61.5                     | 81.9 | 83.2 | 84.4 | 86.2 | 86.2 | 87.6 | 87.7 | 87.7 | 89.0 | 89.6 | 89.8  | 91.2 | 91.2  | 91.5  | 91.8  |
| IV 700          | 61.5                     | 82.2 | 83.6 | 84.7 | 86.8 | 86.9 | 88.7 | 88.9 | 88.9 | 90.3 | 91.0 | 91.3  | 92.9 | 92.9  | 93.2  | 93.5  |
| IV 600          | 61.5                     | 82.2 | 83.6 | 84.9 | 87.4 | 87.5 | 89.5 | 89.7 | 89.7 | 91.1 | 92.1 | 92.4  | 94.4 | 94.4  | 94.9  | 95.1  |
| IV 500          | 61.5                     | 82.2 | 83.6 | 84.9 | 88.2 | 88.3 | 90.3 | 90.5 | 90.5 | 92.1 | 93.2 | 93.5  | 95.7 | 95.7  | 96.2  | 96.5  |
| IV 400          | 61.5                     | 82.2 | 83.6 | 84.9 | 88.2 | 88.3 | 90.5 | 90.7 | 90.7 | 92.4 | 93.5 | 93.8  | 96.0 | 96.0  | 96.5  | 96.9  |
| IV 300          | 61.5                     | 82.2 | 83.6 | 84.9 | 88.2 | 88.3 | 90.5 | 90.7 | 90.7 | 92.4 | 93.5 | 93.8  | 96.4 | 96.4  | 97.4  | 97.9  |
| IV 200          | 61.5                     | 82.2 | 83.6 | 84.9 | 88.2 | 88.3 | 90.5 | 90.7 | 90.7 | 92.5 | 93.6 | 93.8  | 96.9 | 97.0  | 98.2  | 99.1  |
| IV 100          | 61.5                     | 82.2 | 83.6 | 84.9 | 88.2 | 88.3 | 90.5 | 90.7 | 90.7 | 92.5 | 93.6 | 93.8  | 96.9 | 97.0  | 98.6  | 99.7  |
| IV 0            | 61.5                     | 82.2 | 83.6 | 84.9 | 88.2 | 88.3 | 90.5 | 90.7 | 90.7 | 92.5 | 93.6 | 93.8  | 96.9 | 97.0  | 98.6  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSLLP-C KCREA/CHEJC-00 RCK F-39

55-67

JUN

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 20.1                       | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8  | 20.8 | 20.8  | 20.8  | 20.8  |
| IV 20000        | 40.9                       | 44.4 | 44.4 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.6 | 44.6 | 44.6  | 44.6 | 44.6  | 44.6  | 44.6  |
| IV 18000        | 41.5                       | 45.1 | 45.1 | 45.1 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.3 | 45.3 | 45.3  | 45.3 | 45.3  | 45.3  | 45.3  |
| IV 16000        | 42.1                       | 45.7 | 45.7 | 45.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.9 | 45.9 | 45.9  | 45.9 | 45.9  | 45.9  | 45.9  |
| IV 14000        | 43.4                       | 47.7 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9  | 47.9 | 47.9  | 47.9  | 47.9  |
| IV 12000        | 46.3                       | 52.6 | 52.7 | 52.7 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0  | 53.0 | 53.0  | 53.0  | 53.0  |
| IV 10000        | 49.7                       | 56.9 | 57.1 | 57.1 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4  | 57.4 | 57.4  | 57.4  | 57.4  |
| IV 9000         | 50.1                       | 57.4 | 57.6 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9  | 57.9 | 57.9  | 57.9  | 57.9  |
| IV 8000         | 51.1                       | 59.6 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 60.0 | 60.0 | 60.0  | 60.0 | 60.0  | 60.0  | 60.0  |
| IV 7000         | 51.7                       | 60.6 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 61.0 | 61.0 | 61.0  | 61.0 | 61.0  | 61.0  | 61.0  |
| IV 6000         | 51.8                       | 60.9 | 61.1 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5  | 61.5 | 61.5  | 61.5  | 61.5  |
| IV 5000         | 52.3                       | 61.7 | 62.0 | 62.1 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6  | 63.2 | 63.2  | 63.2  | 63.2  |
| IV 4500         | 52.8                       | 62.4 | 62.7 | 62.9 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 | 63.4 | 63.4  | 63.9 | 63.9  | 63.9  | 63.9  |
| IV 4000         | 54.4                       | 65.5 | 65.8 | 66.1 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.5 | 66.8 | 66.8  | 67.4 | 67.4  | 67.4  | 67.4  |
| IV 3500         | 55.6                       | 68.3 | 68.7 | 69.1 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.7 | 70.1 | 70.1  | 70.6 | 70.6  | 70.6  | 70.6  |
| IV 3000         | 57.8                       | 72.9 | 73.8 | 74.5 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.4 | 76.2 | 76.2  | 76.8 | 76.8  | 76.8  | 76.8  |
| IV 2500         | 58.8                       | 76.2 | 77.3 | 78.5 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.6 | 80.4 | 80.4  | 81.0 | 81.0  | 81.1  | 81.1  |
| IV 2000         | 59.1                       | 77.3 | 78.8 | 80.2 | 81.0 | 81.2 | 81.5 | 81.5 | 81.5 | 82.1 | 83.0 | 83.0  | 83.6 | 83.6  | 83.7  | 83.7  |
| IV 1800         | 59.1                       | 77.4 | 79.0 | 80.3 | 81.2 | 81.4 | 81.9 | 81.9 | 81.9 | 82.5 | 83.3 | 83.3  | 83.9 | 83.9  | 84.0  | 84.0  |
| IV 1500         | 59.2                       | 78.6 | 80.5 | 82.0 | 83.2 | 83.3 | 83.8 | 83.8 | 83.8 | 84.6 | 85.6 | 85.6  | 86.2 | 86.2  | 86.2  | 86.6  |
| IV 1200         | 59.3                       | 79.5 | 81.5 | 83.0 | 84.4 | 84.8 | 85.6 | 85.6 | 85.6 | 86.6 | 87.5 | 87.5  | 88.2 | 88.2  | 88.3  | 88.6  |
| IV 1000         | 59.7                       | 80.3 | 82.6 | 84.1 | 85.8 | 86.2 | 87.1 | 87.1 | 87.1 | 88.4 | 89.3 | 89.4  | 90.3 | 90.3  | 90.4  | 90.9  |
| IV 900          | 59.7                       | 80.4 | 82.7 | 84.2 | 85.9 | 86.4 | 87.6 | 87.6 | 87.6 | 88.9 | 89.8 | 89.9  | 90.8 | 90.8  | 90.9  | 91.5  |
| IV 800          | 59.7                       | 80.6 | 82.9 | 84.4 | 86.5 | 87.0 | 88.2 | 88.2 | 88.2 | 89.7 | 90.7 | 90.8  | 91.7 | 91.7  | 91.9  | 92.4  |
| IV 700          | 59.7                       | 80.7 | 83.0 | 84.6 | 86.8 | 87.4 | 88.7 | 88.7 | 88.7 | 90.3 | 91.3 | 91.4  | 92.5 | 92.5  | 92.6  | 93.2  |
| IV 600          | 59.7                       | 80.8 | 83.1 | 84.7 | 87.4 | 87.9 | 89.7 | 89.7 | 89.7 | 91.7 | 92.7 | 92.8  | 94.3 | 94.3  | 94.4  | 95.0  |
| IV 500          | 59.7                       | 80.9 | 83.2 | 84.8 | 87.7 | 88.2 | 90.3 | 90.3 | 90.3 | 92.6 | 93.8 | 93.8  | 95.7 | 95.7  | 96.0  | 96.5  |
| IV 400          | 59.7                       | 80.9 | 83.2 | 84.8 | 87.8 | 88.3 | 90.3 | 90.4 | 90.4 | 92.7 | 93.8 | 93.9  | 95.9 | 95.9  | 96.2  | 96.7  |
| IV 300          | 59.7                       | 80.9 | 83.2 | 84.8 | 87.8 | 88.3 | 90.3 | 90.4 | 90.4 | 92.7 | 93.8 | 93.9  | 96.6 | 96.6  | 97.2  | 97.9  |
| IV 200          | 59.7                       | 80.9 | 83.2 | 84.8 | 87.8 | 88.3 | 90.3 | 90.4 | 90.4 | 92.7 | 93.9 | 94.0  | 96.8 | 96.8  | 97.9  | 99.1  |
| IV 100          | 59.7                       | 80.9 | 83.2 | 84.8 | 87.8 | 88.3 | 90.3 | 90.4 | 90.4 | 92.7 | 93.9 | 94.0  | 96.8 | 96.8  | 98.0  | 99.4  |
| IV 0            | 59.7                       | 80.9 | 83.2 | 84.8 | 87.8 | 88.3 | 90.3 | 90.4 | 90.4 | 92.7 | 93.9 | 94.0  | 96.8 | 96.8  | 98.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 STATION MCSLLP-C KOREA/CHEJU-DO RCK K-39 55-67 YEARS JUN 1960-2000  
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0   |
| NO CEILING      | 16.3                     | 21.0 | 21.1 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4  | 21.4 | 21.4  | 21.4 | 21.4  |
| ≥ 20000         | 29.1                     | 41.1 | 41.2 | 41.5 | 41.5 | 41.5 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6  | 41.6 | 41.6  | 41.6 | 41.6  |
| ≥ 18000         | 29.7                     | 41.8 | 41.9 | 42.1 | 42.2 | 42.2 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3  | 42.3 | 42.3  | 42.4 | 42.4  |
| ≥ 16000         | 30.0                     | 42.5 | 42.6 | 42.8 | 42.9 | 42.9 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0  | 43.0 | 43.0  | 43.1 | 43.1  |
| ≥ 14000         | 32.6                     | 46.6 | 46.7 | 46.9 | 47.0 | 47.0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1  | 47.1 | 47.1  | 47.2 | 47.2  |
| ≥ 12000         | 34.6                     | 51.3 | 51.4 | 51.6 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8  | 51.8 | 51.8  | 51.9 | 51.9  |
| IV 10000        | 36.8                     | 55.0 | 55.3 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7  | 55.7 | 55.7  | 55.8 | 55.8  |
| IV 9000         | 36.8                     | 55.0 | 55.3 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7  | 55.7 | 55.7  | 55.8 | 55.8  |
| IV 8000         | 37.6                     | 56.8 | 57.3 | 57.5 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7  | 57.7 | 57.7  | 57.8 | 57.8  |
| IV 7000         | 38.5                     | 58.0 | 58.5 | 58.8 | 58.9 | 58.9 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0  | 59.0 | 59.0  | 59.1 | 59.1  |
| IV 6000         | 38.5                     | 58.9 | 59.4 | 59.8 | 60.0 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1  | 60.1 | 60.1  | 60.2 | 60.2  |
| IV 5000         | 38.7                     | 59.2 | 59.8 | 60.3 | 60.4 | 60.4 | 60.5 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6  | 60.6 | 60.8  | 60.9 | 60.9  |
| IV 4500         | 38.8                     | 59.7 | 60.3 | 60.8 | 60.9 | 60.9 | 61.0 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1  | 61.3 | 61.3  | 61.5 | 61.5  |
| IV 4000         | 40.1                     | 62.6 | 63.4 | 63.9 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.3 | 64.5 | 64.5  | 64.7 | 64.7  | 64.9 | 64.9  |
| IV 3500         | 40.5                     | 64.5 | 65.6 | 66.2 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.5 | 66.8 | 66.8  | 66.9 | 66.9  | 67.1 | 67.1  |
| IV 3000         | 42.6                     | 69.7 | 71.0 | 72.1 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.8 | 73.1 | 73.1  | 73.4 | 73.4  | 73.6 | 73.6  |
| IV 2500         | 44.3                     | 73.8 | 75.6 | 76.8 | 77.5 | 77.7 | 77.8 | 77.8 | 77.8 | 78.2 | 78.5 | 78.5  | 78.9 | 78.9  | 79.1 | 79.1  |
| IV 2000         | 44.9                     | 75.4 | 77.8 | 79.8 | 80.9 | 81.0 | 81.1 | 81.1 | 81.1 | 81.5 | 82.1 | 82.1  | 82.6 | 82.6  | 82.7 | 82.9  |
| IV 1800         | 44.9                     | 75.6 | 78.0 | 80.1 | 81.2 | 81.4 | 81.5 | 81.5 | 81.5 | 81.9 | 82.5 | 82.5  | 82.9 | 82.9  | 83.1 | 83.2  |
| IV 1500         | 44.9                     | 76.3 | 79.1 | 81.2 | 82.6 | 82.8 | 83.0 | 83.0 | 83.0 | 83.6 | 84.2 | 84.2  | 84.8 | 84.8  | 85.0 | 85.2  |
| IV 1200         | 44.9                     | 77.3 | 80.1 | 82.4 | 84.4 | 84.6 | 85.0 | 85.0 | 85.0 | 85.6 | 86.3 | 86.3  | 86.9 | 86.9  | 87.1 | 87.4  |
| IV 1000         | 45.1                     | 77.8 | 80.7 | 83.1 | 85.1 | 85.3 | 85.8 | 85.8 | 85.8 | 86.7 | 87.4 | 87.4  | 88.1 | 88.1  | 88.4 | 88.9  |
| IV 900          | 45.1                     | 77.8 | 80.7 | 83.1 | 85.1 | 85.3 | 85.8 | 85.8 | 85.8 | 86.8 | 87.6 | 87.6  | 88.3 | 88.4  | 88.6 | 89.1  |
| IV 800          | 45.1                     | 78.3 | 81.4 | 83.8 | 86.3 | 86.5 | 87.4 | 87.5 | 87.5 | 88.8 | 89.7 | 89.7  | 90.4 | 90.5  | 90.8 | 91.5  |
| IV 700          | 45.2                     | 78.4 | 81.5 | 83.9 | 86.6 | 86.8 | 87.9 | 88.0 | 88.0 | 89.5 | 90.5 | 90.5  | 91.3 | 91.4  | 91.6 | 92.3  |
| IV 600          | 45.2                     | 78.4 | 81.5 | 83.9 | 87.2 | 87.4 | 89.0 | 89.1 | 89.1 | 90.6 | 91.6 | 91.6  | 92.6 | 92.6  | 92.9 | 93.8  |
| IV 500          | 45.2                     | 78.4 | 81.5 | 83.9 | 87.4 | 87.5 | 89.2 | 89.3 | 89.3 | 90.9 | 92.1 | 92.1  | 93.2 | 93.2  | 94.0 | 95.0  |
| IV 400          | 45.2                     | 78.4 | 81.5 | 83.9 | 87.4 | 87.5 | 89.4 | 89.5 | 89.5 | 91.0 | 92.4 | 92.4  | 93.5 | 93.6  | 94.6 | 95.6  |
| IV 300          | 45.2                     | 78.4 | 81.5 | 83.9 | 87.4 | 87.5 | 89.4 | 89.5 | 89.5 | 91.0 | 92.4 | 92.4  | 93.9 | 94.0  | 95.0 | 96.2  |
| IV 200          | 45.2                     | 78.4 | 81.5 | 83.9 | 87.4 | 87.5 | 89.4 | 89.5 | 89.5 | 91.1 | 92.5 | 92.5  | 94.1 | 94.2  | 95.3 | 96.8  |
| IV 100          | 45.2                     | 78.4 | 81.5 | 83.9 | 87.4 | 87.5 | 89.4 | 89.5 | 89.5 | 91.1 | 92.5 | 92.5  | 94.1 | 94.2  | 95.3 | 98.2  |
| IV 0            | 45.2                     | 78.4 | 81.5 | 83.9 | 87.4 | 87.5 | 89.4 | 89.5 | 89.5 | 91.1 | 92.5 | 92.5  | 94.1 | 94.2  | 95.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

## CEILING VERSUS VISIBILITY

43263

MGSULP-D KOREA/CHEJU-DO MCK A-39

55-67

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 13.8                       | 30.0 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.5 | 30.5  | 30.5 | 30.5  | 30.5  | 30.5  |
| ≥ 20000         | 19.3                       | 44.4 | 45.0 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.4 | 45.4  | 45.4 | 45.4  | 45.4  | 45.4  |
| ≥ 18000         | 19.4                       | 44.4 | 45.0 | 45.3 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.5 | 45.5  | 45.5 | 45.5  | 45.5  | 45.5  |
| ≥ 16000         | 19.5                       | 45.4 | 46.0 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.4 | 46.4  | 46.4 | 46.4  | 46.4  | 46.4  |
| ≥ 14000         | 20.8                       | 48.7 | 49.5 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.9 | 49.9  | 49.9 | 49.9  | 49.9  | 49.9  |
| ≥ 12000         | 22.2                       | 52.5 | 53.2 | 53.5 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.7 | 53.7  | 53.7 | 53.7  | 53.7  | 53.7  |
| ≥ 10000         | 23.1                       | 55.0 | 56.0 | 56.3 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.5 | 56.5  | 56.5 | 56.5  | 56.5  | 56.5  |
| ≥ 9000          | 23.1                       | 55.0 | 56.0 | 56.3 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.5 | 56.5  | 56.5 | 56.5  | 56.5  | 56.5  |
| ≥ 8000          | 24.0                       | 57.5 | 58.7 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2  | 59.2 | 59.2  | 59.2  | 59.2  |
| ≥ 7000          | 24.6                       | 58.1 | 59.3 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.8 | 59.9  | 59.9 | 59.9  | 59.9  | 59.9  |
| ≥ 6000          | 24.6                       | 59.0 | 60.4 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 61.0 | 61.1 | 61.1  | 61.2 | 61.2  | 61.2  | 61.2  |
| ≥ 5000          | 24.6                       | 59.1 | 60.5 | 60.9 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.3 | 61.4 | 61.4  | 61.5 | 61.5  | 61.8  | 61.8  |
| ≥ 4500          | 24.7                       | 59.4 | 60.9 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.7 | 61.8 | 61.8  | 62.0 | 62.0  | 62.2  | 62.2  |
| ≥ 4000          | 25.4                       | 60.9 | 62.7 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.5 | 63.6 | 63.6  | 63.8 | 63.8  | 64.0  | 64.0  |
| ≥ 3500          | 25.8                       | 62.9 | 64.7 | 65.2 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.7 | 65.8 | 65.8  | 66.2 | 66.2  | 66.4  | 66.4  |
| ≥ 3000          | 27.7                       | 68.2 | 70.4 | 71.1 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.7 | 71.9 | 71.9  | 72.7 | 72.7  | 73.0  | 73.1  |
| ≥ 2500          | 28.2                       | 70.9 | 73.6 | 74.9 | 75.2 | 75.2 | 75.5 | 75.5 | 75.5 | 75.9 | 76.1 | 76.1  | 76.9 | 76.9  | 77.2  | 77.3  |
| ≥ 2000          | 28.8                       | 73.2 | 76.1 | 78.3 | 79.2 | 79.2 | 79.7 | 79.7 | 79.7 | 80.3 | 80.5 | 80.5  | 81.4 | 81.4  | 81.6  | 81.9  |
| ≥ 1800          | 28.8                       | 73.3 | 76.5 | 78.8 | 79.9 | 79.9 | 80.4 | 80.4 | 80.4 | 80.9 | 81.2 | 81.2  | 82.1 | 82.1  | 82.3  | 82.6  |
| ≥ 1500          | 28.8                       | 74.2 | 77.4 | 80.1 | 81.9 | 81.9 | 82.6 | 82.6 | 82.6 | 83.3 | 83.6 | 83.6  | 84.7 | 84.7  | 85.0  | 85.3  |
| ≥ 1200          | 28.8                       | 74.9 | 78.0 | 81.0 | 83.6 | 83.6 | 84.6 | 84.6 | 84.6 | 85.5 | 85.7 | 85.7  | 86.8 | 86.8  | 87.1  | 87.4  |
| ≥ 1000          | 29.1                       | 75.3 | 78.7 | 81.9 | 84.9 | 84.9 | 86.0 | 86.1 | 86.1 | 87.3 | 87.6 | 87.6  | 88.9 | 88.9  | 89.1  | 89.7  |
| ≥ 900           | 29.1                       | 75.3 | 78.7 | 82.0 | 85.0 | 85.0 | 86.2 | 86.2 | 86.2 | 87.5 | 87.9 | 87.9  | 89.1 | 89.1  | 89.4  | 90.0  |
| ≥ 800           | 29.1                       | 75.6 | 79.1 | 82.5 | 85.9 | 85.9 | 87.2 | 87.3 | 87.3 | 89.0 | 89.4 | 89.4  | 90.7 | 90.7  | 90.9  | 91.8  |
| ≥ 700           | 29.1                       | 75.7 | 79.4 | 82.8 | 86.8 | 86.8 | 88.5 | 88.5 | 88.5 | 90.7 | 91.1 | 91.1  | 93.0 | 93.0  | 93.2  | 94.1  |
| ≥ 600           | 29.1                       | 75.7 | 79.4 | 82.8 | 86.8 | 86.8 | 88.6 | 88.6 | 88.6 | 90.9 | 91.5 | 91.5  | 93.4 | 93.4  | 93.8  | 94.6  |
| ≥ 500           | 29.1                       | 75.7 | 79.4 | 82.8 | 86.8 | 86.8 | 88.6 | 88.6 | 88.6 | 90.9 | 91.5 | 91.5  | 93.5 | 93.5  | 93.9  | 95.0  |
| ≥ 400           | 29.1                       | 75.7 | 79.4 | 82.8 | 86.8 | 86.8 | 88.6 | 88.6 | 88.6 | 90.9 | 91.5 | 91.5  | 93.5 | 93.5  | 93.9  | 95.0  |
| ≥ 300           | 29.1                       | 75.7 | 79.4 | 82.8 | 86.8 | 86.8 | 88.6 | 88.6 | 88.6 | 90.9 | 91.5 | 91.5  | 93.5 | 93.5  | 93.9  | 95.0  |
| ≥ 200           | 29.1                       | 75.7 | 79.4 | 82.8 | 86.8 | 86.8 | 88.6 | 88.6 | 88.6 | 90.9 | 91.5 | 91.5  | 93.5 | 93.5  | 93.9  | 95.0  |
| ≥ 100           | 29.1                       | 75.7 | 79.4 | 82.8 | 86.8 | 86.8 | 88.6 | 88.6 | 88.6 | 90.9 | 91.5 | 91.5  | 93.5 | 93.5  | 93.9  | 95.0  |
| ≥ 0             | 29.1                       | 75.7 | 79.4 | 82.8 | 86.8 | 86.8 | 88.6 | 88.6 | 88.6 | 90.9 | 91.5 | 91.5  | 93.5 | 93.5  | 93.9  | 95.0  |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MGSULP-O KOREA/CHEJU-DO ROK K-39

55-65.67

JUL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET: | VISIBILITY STATUTE MILES: |      |      |      |      |      |      |      |      |      |      |       |      |        |        |       |
|------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|--------|-------|
|                  | ≥ 10                      | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 4/16 | ≥ 3/16 | ≥ 0   |
| NO CEILING       | 12.3                      | 24.9 | 25.0 | 25.2 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4  | 25.4 | 25.4   | 25.4   | 25.4  |
| ≥ 20000          | 13.3                      | 27.9 | 28.1 | 28.7 | 28.9 | 29.0 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1  | 29.1 | 29.1   | 29.1   | 29.1  |
| IV 18000         | 13.3                      | 27.9 | 28.1 | 28.7 | 28.9 | 29.0 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1  | 29.1 | 29.1   | 29.1   | 29.1  |
| IV 16000         | 13.3                      | 28.0 | 28.3 | 28.9 | 29.1 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3  | 29.3 | 29.3   | 29.3   | 29.3  |
| IV 14000         | 13.6                      | 28.9 | 29.2 | 29.7 | 30.0 | 30.1 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2  | 30.2 | 30.2   | 30.2   | 30.2  |
| IV 12000         | 14.1                      | 30.2 | 30.5 | 31.0 | 31.3 | 31.4 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5  | 31.5 | 31.5   | 31.5   | 31.5  |
| IV 10000         | 14.2                      | 31.5 | 31.8 | 32.3 | 32.7 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9  | 32.9 | 32.9   | 32.9   | 32.9  |
| IV 9000          | 14.2                      | 31.5 | 31.8 | 32.3 | 32.7 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9  | 32.9 | 32.9   | 32.9   | 32.9  |
| IV 8000          | 14.7                      | 32.5 | 32.9 | 33.4 | 33.8 | 33.9 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0  | 34.0 | 34.0   | 34.0   | 34.0  |
| IV 7000          | 14.7                      | 32.6 | 33.0 | 33.5 | 33.9 | 34.0 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1  | 34.1 | 34.1   | 34.1   | 34.1  |
| IV 6000          | 14.8                      | 33.2 | 33.5 | 34.1 | 34.5 | 34.6 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7  | 34.7 | 34.7   | 34.7   | 34.7  |
| IV 5000          | 15.1                      | 34.1 | 34.5 | 35.1 | 35.6 | 35.8 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9  | 35.9 | 35.9   | 35.9   | 35.9  |
| IV 4500          | 15.1                      | 34.3 | 34.7 | 35.3 | 35.9 | 36.0 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1  | 36.1 | 36.1   | 36.1   | 36.1  |
| IV 4000          | 15.3                      | 36.9 | 37.4 | 38.0 | 38.6 | 38.7 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8  | 38.8 | 38.8   | 38.8   | 38.8  |
| IV 3500          | 16.6                      | 39.5 | 40.1 | 40.9 | 41.6 | 41.7 | 41.8 | 41.8 | 41.8 | 41.9 | 41.9 | 41.9  | 41.9 | 42.1   | 42.1   | 42.2  |
| IV 3000          | 19.7                      | 46.6 | 47.5 | 48.3 | 48.9 | 49.0 | 49.2 | 49.2 | 49.2 | 49.9 | 50.0 | 50.0  | 50.3 | 50.3   | 50.4   | 50.4  |
| IV 2500          | 20.9                      | 54.2 | 56.3 | 57.4 | 58.2 | 58.3 | 59.1 | 59.1 | 59.1 | 59.8 | 60.1 | 60.1  | 60.5 | 60.5   | 60.6   | 60.6  |
| IV 2000          | 21.3                      | 57.5 | 60.3 | 62.6 | 64.3 | 64.5 | 65.7 | 65.7 | 65.7 | 66.7 | 67.2 | 67.2  | 67.6 | 67.6   | 67.9   | 67.9  |
| IV 1800          | 21.3                      | 57.6 | 60.5 | 63.0 | 64.9 | 65.1 | 66.2 | 66.2 | 66.2 | 67.2 | 67.7 | 67.7  | 68.1 | 68.1   | 68.5   | 68.5  |
| IV 1500          | 21.5                      | 58.5 | 61.6 | 64.3 | 67.0 | 67.2 | 68.6 | 68.9 | 68.9 | 70.1 | 70.6 | 70.6  | 71.1 | 71.1   | 71.5   | 71.5  |
| IV 1200          | 21.5                      | 60.5 | 64.4 | 67.5 | 70.4 | 70.6 | 72.0 | 72.3 | 72.3 | 73.5 | 74.0 | 74.0  | 75.0 | 75.0   | 75.4   | 75.4  |
| IV 1000          | 21.6                      | 62.4 | 66.6 | 70.4 | 73.7 | 73.9 | 75.7 | 76.2 | 76.2 | 78.0 | 78.6 | 78.6  | 79.9 | 79.9   | 80.8   | 80.8  |
| IV 900           | 21.6                      | 63.0 | 67.4 | 71.2 | 74.7 | 74.9 | 76.9 | 77.3 | 77.3 | 79.2 | 79.7 | 79.7  | 81.1 | 81.1   | 82.0   | 82.1  |
| IV 800           | 21.6                      | 63.4 | 68.6 | 72.9 | 77.2 | 77.4 | 79.6 | 80.0 | 80.0 | 82.4 | 83.2 | 83.2  | 84.6 | 84.6   | 85.8   | 85.9  |
| IV 700           | 21.8                      | 64.1 | 69.4 | 74.0 | 78.5 | 78.7 | 80.8 | 81.3 | 81.3 | 84.1 | 84.9 | 84.9  | 86.5 | 86.5   | 87.6   | 87.9  |
| IV 600           | 21.8                      | 64.5 | 70.3 | 75.0 | 80.2 | 80.4 | 82.7 | 83.2 | 83.2 | 86.6 | 87.4 | 87.4  | 89.4 | 89.4   | 90.6   | 90.9  |
| IV 500           | 21.8                      | 64.8 | 71.1 | 75.9 | 81.2 | 81.4 | 83.8 | 84.4 | 84.4 | 88.0 | 88.9 | 88.9  | 91.0 | 91.2   | 92.4   | 92.7  |
| IV 400           | 21.8                      | 64.8 | 71.1 | 75.9 | 81.2 | 81.4 | 84.1 | 84.7 | 84.7 | 88.5 | 89.4 | 89.4  | 92.3 | 92.5   | 93.8   | 94.1  |
| IV 300           | 21.8                      | 64.8 | 71.1 | 75.9 | 81.2 | 81.4 | 84.2 | 84.9 | 84.9 | 89.2 | 90.3 | 90.3  | 93.5 | 93.7   | 95.8   | 96.4  |
| IV 200           | 21.8                      | 64.8 | 71.1 | 75.9 | 81.2 | 81.4 | 84.2 | 84.9 | 84.9 | 89.3 | 90.4 | 90.4  | 93.9 | 94.1   | 96.2   | 96.9  |
| IV 100           | 21.8                      | 64.8 | 71.1 | 75.9 | 81.2 | 81.4 | 84.3 | 84.9 | 84.9 | 89.4 | 90.5 | 90.5  | 94.1 | 94.3   | 96.4   | 97.6  |
| IV 0             | 21.8                      | 64.8 | 71.1 | 75.9 | 81.2 | 81.4 | 84.3 | 84.9 | 84.9 | 89.4 | 90.5 | 90.5  | 94.1 | 94.3   | 96.4   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MOSULP-G KORLA/CHEJU-DO ROK K-39  
STATION NAME

55-65.67  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2300-0500  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0   |
| NO CEILING      | 10.8                     | 19.9 | 19.9 | 20.0 | 20.2 | 20.2 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3  | 20.3 | 20.3  | 20.3 | 20.3  |
| ≥ 20000         | 11.7                     | 24.5 | 24.7 | 24.8 | 25.1 | 25.1 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2  | 25.2 | 25.2  | 25.2 | 25.2  |
| IV 18000        | 11.7                     | 24.5 | 24.8 | 24.9 | 25.2 | 25.2 | 25.3 | 25.3 | 25.3 | 25.3 | 25.3 | 25.3  | 25.3 | 25.3  | 25.3 | 25.3  |
| IV 16000        | 11.7                     | 24.6 | 24.9 | 25.0 | 25.3 | 25.3 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4  | 25.4 | 25.4  | 25.4 | 25.4  |
| IV 14000        | 11.8                     | 25.2 | 25.5 | 25.6 | 25.9 | 25.9 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0  | 26.0 | 26.0  | 26.0 | 26.0  |
| IV 12000        | 12.6                     | 26.7 | 27.1 | 27.2 | 27.4 | 27.4 | 27.5 | 27.5 | 27.5 | 27.6 | 27.6 | 27.6  | 27.6 | 27.6  | 27.6 | 27.6  |
| IV 10000        | 12.8                     | 28.0 | 28.5 | 28.6 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 29.0 | 29.0 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  |
| IV 9000         | 12.8                     | 28.0 | 28.5 | 28.6 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 29.0 | 29.0 | 29.0  | 29.0 | 29.0  | 29.0 | 29.0  |
| IV 8000         | 13.2                     | 29.4 | 29.8 | 29.9 | 30.2 | 30.2 | 30.3 | 30.3 | 30.3 | 30.4 | 30.4 | 30.4  | 30.4 | 30.4  | 30.4 | 30.4  |
| IV 7000         | 13.4                     | 29.7 | 30.2 | 30.3 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.7 | 30.7 | 30.7  | 30.7 | 30.7  | 30.7 | 30.7  |
| IV 6000         | 13.4                     | 30.4 | 30.8 | 30.9 | 31.2 | 31.2 | 31.3 | 31.3 | 31.3 | 31.4 | 31.4 | 31.4  | 31.4 | 31.4  | 31.4 | 31.4  |
| IV 5000         | 13.5                     | 31.3 | 31.8 | 31.9 | 32.3 | 32.3 | 32.4 | 32.4 | 32.4 | 32.5 | 32.5 | 32.5  | 32.5 | 32.5  | 32.5 | 32.5  |
| IV 4500         | 13.5                     | 31.7 | 32.3 | 32.3 | 32.8 | 32.8 | 32.9 | 32.9 | 32.9 | 33.0 | 33.0 | 33.0  | 33.0 | 33.0  | 33.0 | 33.0  |
| IV 4000         | 13.7                     | 33.7 | 34.4 | 34.6 | 35.0 | 35.0 | 35.2 | 35.2 | 35.2 | 35.3 | 35.3 | 35.3  | 35.3 | 35.3  | 35.3 | 35.3  |
| IV 3500         | 15.0                     | 37.2 | 38.1 | 38.5 | 39.0 | 39.0 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2  | 39.2 | 39.2  | 39.2 | 39.2  |
| IV 3000         | 18.4                     | 44.1 | 45.4 | 46.1 | 46.7 | 46.7 | 47.0 | 47.0 | 47.0 | 47.7 | 47.8 | 47.8  | 47.8 | 47.8  | 48.0 | 48.0  |
| IV 2500         | 19.5                     | 50.3 | 52.7 | 53.5 | 54.2 | 54.2 | 54.9 | 54.9 | 54.9 | 55.8 | 55.9 | 55.9  | 56.1 | 56.1  | 56.4 | 56.4  |
| IV 2000         | 19.9                     | 53.9 | 57.5 | 59.8 | 61.1 | 61.1 | 62.3 | 62.3 | 62.3 | 63.8 | 64.2 | 64.2  | 64.5 | 64.5  | 64.8 | 64.8  |
| IV 1800         | 19.9                     | 54.2 | 58.0 | 60.3 | 61.7 | 61.8 | 63.0 | 63.0 | 63.0 | 64.5 | 65.0 | 65.0  | 65.2 | 65.2  | 65.5 | 65.5  |
| IV 1500         | 20.2                     | 56.2 | 60.3 | 63.3 | 65.3 | 65.4 | 66.9 | 67.0 | 67.0 | 69.0 | 69.7 | 69.7  | 70.0 | 70.0  | 70.8 | 70.9  |
| IV 1200         | 20.2                     | 58.7 | 63.5 | 66.9 | 69.0 | 69.1 | 71.1 | 71.3 | 71.3 | 73.7 | 74.4 | 74.4  | 74.9 | 74.9  | 75.7 | 75.8  |
| IV 1000         | 20.3                     | 60.4 | 65.8 | 69.7 | 72.0 | 72.1 | 74.6 | 74.8 | 74.8 | 77.6 | 78.4 | 78.4  | 79.0 | 79.0  | 80.1 | 80.3  |
| IV 900          | 20.3                     | 61.2 | 66.6 | 70.5 | 73.1 | 73.2 | 75.7 | 76.0 | 76.0 | 78.9 | 79.7 | 79.7  | 80.3 | 80.3  | 81.4 | 81.5  |
| IV 800          | 20.3                     | 61.9 | 67.8 | 72.5 | 75.7 | 75.8 | 78.7 | 78.9 | 78.9 | 82.0 | 82.9 | 82.9  | 84.3 | 84.3  | 85.5 | 85.7  |
| IV 700          | 20.3                     | 62.4 | 68.5 | 73.7 | 77.2 | 77.3 | 80.3 | 80.6 | 80.6 | 84.1 | 85.0 | 85.0  | 86.6 | 86.6  | 87.7 | 88.1  |
| IV 600          | 20.3                     | 62.7 | 69.2 | 74.6 | 78.4 | 78.5 | 81.5 | 81.8 | 81.8 | 85.8 | 86.7 | 86.7  | 88.7 | 88.7  | 89.9 | 90.3  |
| IV 500          | 20.3                     | 62.8 | 69.6 | 75.4 | 79.4 | 79.5 | 82.7 | 83.2 | 83.2 | 87.5 | 88.6 | 88.6  | 91.0 | 91.1  | 92.3 | 92.8  |
| IV 400          | 20.3                     | 62.8 | 69.6 | 75.4 | 79.4 | 79.5 | 82.8 | 83.3 | 83.3 | 88.2 | 89.3 | 89.3  | 92.0 | 92.1  | 93.4 | 93.9  |
| IV 300          | 20.3                     | 62.8 | 69.6 | 75.4 | 79.4 | 79.5 | 83.2 | 83.8 | 83.8 | 89.1 | 90.4 | 90.4  | 93.5 | 93.5  | 95.3 | 96.0  |
| IV 200          | 20.3                     | 62.8 | 69.6 | 75.4 | 79.4 | 79.5 | 83.2 | 83.8 | 83.8 | 89.1 | 90.4 | 90.4  | 93.5 | 93.5  | 95.6 | 96.6  |
| IV 100          | 20.3                     | 62.8 | 69.6 | 75.4 | 79.4 | 79.5 | 83.2 | 83.8 | 83.8 | 89.2 | 90.5 | 90.5  | 93.6 | 93.7  | 96.0 | 97.3  |
| IV 0            | 20.3                     | 62.8 | 69.6 | 75.4 | 79.4 | 79.5 | 83.2 | 83.8 | 83.8 | 89.2 | 90.5 | 90.5  | 93.6 | 93.7  | 96.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MSULP-C KOREA/CHEJU-DO ROK K-39

55-65, 7

JUL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-1800

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |        |        |        |        |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|--------|--------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ 7/16 | ≥ 5/16 | ≥ 4/16 | ≥ 3/16 |
| NO CEILING      | 13.7                       | 17.7 | 17.7 | 17.7 | 18.0 | 18.0 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1  | 18.2   | 18.2   | 18.2   | 18.2   |
| ≥ 20000         | 18.5                       | 25.3 | 25.4 | 25.4 | 25.9 | 26.0 | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 | 26.2  | 26.3   | 26.3   | 26.3   | 26.3   |
| ≥ 18000         | 18.9                       | 25.7 | 25.8 | 25.8 | 26.3 | 26.4 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6  | 26.7   | 26.7   | 26.7   | 26.7   |
| ≥ 16000         | 19.0                       | 25.8 | 25.9 | 25.9 | 26.4 | 26.5 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7  | 26.8   | 26.8   | 26.8   | 26.8   |
| ≥ 14000         | 19.3                       | 26.3 | 26.3 | 26.3 | 26.9 | 27.0 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2  | 27.2   | 27.2   | 27.2   | 27.2   |
| ≥ 12000         | 20.0                       | 28.2 | 28.5 | 28.6 | 29.1 | 29.2 | 29.5 | 29.5 | 29.5 | 29.6 | 29.7 | 29.7  | 29.7   | 29.7   | 29.7   | 29.7   |
| ≥ 10000         | 20.9                       | 30.2 | 30.6 | 30.7 | 31.3 | 31.4 | 31.6 | 31.6 | 31.6 | 31.7 | 31.8 | 31.8  | 31.9   | 31.9   | 31.9   | 31.9   |
| ≥ 9000          | 20.9                       | 30.2 | 30.6 | 30.7 | 31.3 | 31.4 | 31.6 | 31.6 | 31.6 | 31.7 | 31.8 | 31.8  | 31.9   | 31.9   | 31.9   | 31.9   |
| ≥ 8000          | 21.6                       | 32.0 | 32.4 | 32.6 | 33.2 | 33.2 | 33.5 | 33.5 | 33.5 | 33.6 | 33.7 | 33.7  | 33.8   | 33.8   | 33.8   | 33.8   |
| ≥ 7000          | 22.0                       | 32.3 | 32.8 | 33.0 | 33.5 | 33.6 | 33.9 | 33.9 | 33.9 | 34.0 | 34.1 | 34.1  | 34.1   | 34.1   | 34.1   | 34.1   |
| ≥ 6000          | 22.2                       | 32.7 | 33.2 | 33.7 | 34.2 | 34.3 | 34.6 | 34.6 | 34.6 | 34.7 | 34.8 | 34.8  | 34.9   | 34.9   | 34.9   | 34.9   |
| ≥ 5000          | 22.5                       | 33.2 | 33.7 | 34.1 | 34.9 | 34.9 | 35.2 | 35.2 | 35.2 | 35.3 | 35.4 | 35.4  | 35.5   | 35.5   | 35.5   | 35.5   |
| ≥ 4500          | 22.9                       | 33.8 | 34.3 | 34.8 | 35.5 | 35.6 | 35.8 | 35.8 | 35.8 | 35.9 | 36.0 | 36.0  | 36.1   | 36.1   | 36.1   | 36.1   |
| ≥ 4000          | 23.7                       | 36.4 | 37.0 | 37.5 | 38.3 | 38.4 | 38.8 | 38.8 | 38.8 | 38.9 | 39.0 | 39.0  | 39.2   | 39.2   | 39.2   | 39.2   |
| ≥ 3500          | 24.4                       | 38.2 | 39.0 | 39.5 | 40.3 | 40.4 | 40.9 | 40.9 | 40.9 | 41.0 | 41.1 | 41.1  | 41.3   | 41.3   | 41.3   | 41.3   |
| ≥ 3000          | 26.6                       | 43.3 | 44.2 | 45.4 | 46.3 | 46.5 | 47.0 | 47.0 | 47.0 | 47.1 | 47.3 | 47.3  | 47.5   | 47.5   | 47.5   | 47.5   |
| ≥ 2500          | 28.3                       | 47.8 | 49.5 | 51.5 | 52.8 | 53.0 | 53.4 | 53.5 | 53.5 | 53.6 | 53.9 | 53.9  | 54.1   | 54.1   | 54.2   | 54.2   |
| ≥ 2000          | 28.8                       | 50.8 | 54.0 | 56.9 | 59.0 | 59.1 | 59.7 | 59.8 | 59.8 | 60.0 | 60.5 | 60.5  | 61.4   | 61.4   | 61.7   | 61.8   |
| ≥ 1800          | 28.8                       | 51.3 | 54.6 | 57.4 | 59.6 | 59.8 | 60.3 | 60.4 | 60.4 | 60.7 | 61.1 | 61.1  | 62.0   | 62.0   | 62.5   | 62.5   |
| ≥ 1500          | 28.9                       | 53.4 | 57.1 | 60.4 | 63.8 | 64.0 | 64.9 | 65.1 | 65.1 | 65.4 | 66.0 | 66.0  | 66.9   | 66.9   | 67.7   | 67.9   |
| ≥ 1200          | 28.9                       | 55.4 | 59.8 | 63.6 | 67.7 | 67.8 | 69.2 | 69.4 | 69.4 | 69.9 | 70.6 | 70.6  | 71.5   | 71.5   | 72.3   | 72.5   |
| ≥ 1000          | 29.4                       | 57.4 | 62.0 | 66.6 | 71.1 | 71.3 | 73.1 | 73.6 | 73.6 | 74.6 | 75.4 | 75.4  | 76.8   | 76.8   | 77.7   | 78.4   |
| ≥ 900           | 29.4                       | 58.1 | 62.8 | 67.6 | 72.3 | 72.6 | 74.5 | 75.0 | 75.0 | 76.0 | 76.9 | 76.9  | 78.2   | 78.2   | 79.1   | 79.8   |
| ≥ 800           | 29.8                       | 59.2 | 64.5 | 70.2 | 75.4 | 75.8 | 78.1 | 78.8 | 78.9 | 79.9 | 80.9 | 80.9  | 82.4   | 82.4   | 83.5   | 84.4   |
| ≥ 700           | 29.8                       | 59.6 | 65.2 | 70.9 | 76.5 | 77.1 | 79.4 | 80.0 | 80.1 | 81.4 | 82.5 | 82.5  | 84.1   | 84.1   | 85.2   | 86.2   |
| ≥ 600           | 29.8                       | 60.0 | 65.9 | 72.2 | 78.1 | 78.7 | 81.5 | 82.1 | 82.2 | 84.4 | 85.6 | 85.6  | 87.5   | 87.5   | 88.6   | 89.6   |
| ≥ 500           | 29.8                       | 60.3 | 66.4 | 72.8 | 79.9 | 80.5 | 83.5 | 84.1 | 84.5 | 86.9 | 88.2 | 88.2  | 90.2   | 90.2   | 91.5   | 92.5   |
| ≥ 400           | 29.8                       | 60.3 | 66.4 | 72.9 | 80.3 | 80.8 | 84.0 | 84.6 | 84.9 | 87.5 | 89.2 | 89.2  | 91.5   | 91.5   | 92.8   | 93.9   |
| ≥ 300           | 29.8                       | 60.3 | 66.4 | 73.1 | 80.6 | 81.2 | 84.4 | 85.0 | 85.4 | 88.2 | 90.1 | 90.1  | 92.6   | 92.6   | 94.3   | 95.3   |
| ≥ 200           | 29.8                       | 60.3 | 66.4 | 73.1 | 80.6 | 81.2 | 84.4 | 85.0 | 85.4 | 88.2 | 90.1 | 90.1  | 93.0   | 93.0   | 94.9   | 96.8   |
| ≥ 100           | 29.8                       | 60.3 | 66.4 | 73.1 | 80.6 | 81.2 | 84.4 | 85.0 | 85.4 | 88.2 | 90.1 | 90.1  | 93.3   | 93.3   | 95.3   | 98.2   |
| ≥ 0             | 29.9                       | 60.3 | 66.4 | 73.1 | 80.6 | 81.2 | 84.4 | 85.0 | 85.4 | 88.2 | 90.1 | 90.1  | 93.3   | 93.3   | 95.3   | 100.0  |

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 STATION MCSULP-C KOREA/CHEJU-DO ROK K-39 55-65.67 YEARS JUL 1950-1951  
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |        |      |       |
|--------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|------|-------|
|              | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0   |
| NO CEILING   | 18.3                     | 21.0 | 21.2 | 21.2 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3  | 21.3 | 21.3   | 21.3 | 21.3  |
| ≥ 20000      | 25.4                     | 30.6 | 30.5 | 30.6 | 31.6 | 31.0 | 31.0 | 31.0 | 31.0 | 31.1 | 31.1 | 31.1  | 31.1 | 31.1   | 31.1 | 31.1  |
| 18000        | 25.6                     | 30.4 | 30.8 | 31.0 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.5 | 31.5 | 31.5  | 31.5 | 31.5   | 31.5 | 31.5  |
| 16000        | 25.9                     | 30.6 | 31.0 | 31.2 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.6 | 31.6 | 31.6  | 31.6 | 31.6   | 31.6 | 31.6  |
| 14000        | 26.4                     | 31.4 | 32.0 | 32.2 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.6 | 32.6 | 32.6  | 32.6 | 32.6   | 32.6 | 32.6  |
| 12000        | 28.0                     | 33.7 | 34.3 | 34.6 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 35.0 | 35.0 | 35.0  | 35.0 | 35.0   | 35.0 | 35.0  |
| 10000        | 29.6                     | 36.8 | 37.5 | 37.7 | 38.1 | 38.1 | 38.2 | 38.2 | 38.2 | 38.3 | 38.3 | 38.3  | 38.3 | 38.3   | 38.3 | 38.3  |
| 9000         | 29.7                     | 36.9 | 37.5 | 37.8 | 38.2 | 38.2 | 38.3 | 38.3 | 38.3 | 38.4 | 38.4 | 38.4  | 38.4 | 38.4   | 38.4 | 38.4  |
| 8000         | 30.3                     | 38.6 | 39.2 | 39.8 | 40.2 | 40.2 | 40.3 | 40.3 | 40.3 | 40.4 | 40.4 | 40.4  | 40.4 | 40.4   | 40.4 | 40.4  |
| 7000         | 30.6                     | 39.2 | 39.8 | 40.3 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.0 | 41.0 | 41.0  | 41.0 | 41.0   | 41.0 | 41.0  |
| 6000         | 31.3                     | 40.1 | 40.9 | 41.5 | 42.0 | 42.0 | 42.1 | 42.1 | 42.1 | 42.2 | 42.2 | 42.2  | 42.2 | 42.2   | 42.2 | 42.2  |
| 5000         | 31.8                     | 40.8 | 41.5 | 42.1 | 42.7 | 42.7 | 42.8 | 42.8 | 42.8 | 42.9 | 42.9 | 42.9  | 42.9 | 42.9   | 42.9 | 42.9  |
| 4500         | 32.3                     | 41.7 | 42.4 | 43.2 | 43.8 | 43.8 | 43.9 | 43.9 | 43.9 | 44.0 | 44.0 | 44.0  | 44.0 | 44.0   | 44.0 | 44.0  |
| 4000         | 33.6                     | 45.0 | 45.9 | 46.8 | 47.6 | 47.6 | 47.8 | 47.8 | 47.8 | 47.8 | 47.9 | 47.9  | 47.9 | 47.9   | 47.9 | 47.9  |
| 3500         | 34.5                     | 46.8 | 47.7 | 48.7 | 49.6 | 49.6 | 49.8 | 49.8 | 49.8 | 49.9 | 50.0 | 50.0  | 50.0 | 50.0   | 50.0 | 50.0  |
| 3000         | 36.1                     | 50.2 | 51.5 | 52.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.2 | 54.3 | 54.3  | 54.3 | 54.3   | 54.3 | 54.3  |
| 2500         | 36.8                     | 54.5 | 56.6 | 58.0 | 59.2 | 59.2 | 59.4 | 59.4 | 59.4 | 59.7 | 59.8 | 59.8  | 59.8 | 59.8   | 59.8 | 60.0  |
| 2000         | 37.2                     | 57.5 | 60.5 | 62.4 | 64.0 | 64.0 | 64.2 | 64.2 | 64.2 | 64.5 | 65.0 | 65.0  | 65.3 | 65.3   | 65.5 | 65.8  |
| 1800         | 37.3                     | 58.0 | 61.0 | 63.1 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 65.2 | 65.7 | 65.7  | 66.2 | 66.2   | 66.4 | 66.7  |
| 1500         | 38.4                     | 60.1 | 63.7 | 66.1 | 68.3 | 68.3 | 68.7 | 68.7 | 68.7 | 69.4 | 69.8 | 69.8  | 70.6 | 70.6   | 70.9 | 71.1  |
| 1200         | 38.8                     | 62.2 | 66.1 | 68.8 | 71.4 | 71.4 | 72.3 | 72.3 | 72.3 | 73.1 | 73.7 | 73.7  | 74.5 | 74.5   | 74.7 | 75.0  |
| 1000         | 38.9                     | 63.6 | 68.1 | 71.4 | 74.7 | 74.7 | 76.0 | 76.3 | 76.3 | 77.4 | 78.0 | 78.0  | 78.9 | 78.9   | 79.2 | 79.5  |
| 900          | 39.2                     | 64.3 | 69.1 | 72.8 | 76.3 | 76.4 | 77.8 | 78.1 | 78.1 | 79.3 | 79.8 | 79.8  | 80.8 | 80.8   | 81.1 | 81.5  |
| 800          | 39.3                     | 65.1 | 70.7 | 75.1 | 79.3 | 79.5 | 81.4 | 82.1 | 82.2 | 83.5 | 84.2 | 84.2  | 85.3 | 85.3   | 85.7 | 86.3  |
| 700          | 39.5                     | 65.3 | 71.9 | 76.3 | 81.0 | 81.2 | 83.2 | 84.0 | 84.1 | 85.4 | 86.2 | 86.2  | 87.4 | 87.4   | 87.7 | 88.4  |
| 600          | 39.8                     | 65.9 | 72.8 | 77.8 | 83.0 | 83.2 | 85.5 | 86.3 | 86.5 | 88.3 | 89.4 | 89.4  | 90.9 | 90.9   | 91.2 | 91.8  |
| 500          | 39.8                     | 66.0 | 73.0 | 78.4 | 84.6 | 84.8 | 87.5 | 88.4 | 88.5 | 90.8 | 92.0 | 92.0  | 93.6 | 93.6   | 94.0 | 94.6  |
| 400          | 39.8                     | 66.0 | 73.1 | 78.5 | 84.8 | 84.9 | 87.8 | 88.6 | 88.8 | 91.2 | 92.6 | 92.6  | 94.2 | 94.2   | 94.8 | 95.4  |
| 300          | 39.8                     | 66.0 | 73.1 | 78.6 | 85.2 | 85.4 | 88.4 | 89.2 | 89.3 | 92.0 | 93.6 | 93.6  | 95.5 | 95.6   | 97.0 | 97.6  |
| 200          | 39.8                     | 66.0 | 73.1 | 78.6 | 85.2 | 85.4 | 88.4 | 89.2 | 89.3 | 92.1 | 93.7 | 93.7  | 95.9 | 96.0   | 97.4 | 98.8  |
| 100          | 39.8                     | 66.0 | 73.1 | 78.6 | 85.2 | 85.4 | 88.4 | 89.2 | 89.3 | 92.1 | 93.7 | 93.7  | 96.1 | 96.1   | 97.6 | 99.5  |
| 0            | 39.8                     | 66.0 | 73.1 | 78.6 | 85.2 | 85.4 | 88.4 | 89.2 | 89.3 | 92.1 | 93.7 | 93.7  | 96.1 | 96.1   | 97.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MCSULP-G KCREA/CMEJU-CC ROK K-39  
STATION NAME

55-65.07  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
OF DAY

| CEILING<br>FEET       | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                       | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING<br>≥ 20000 | 19.1                     | 21.2 | 21.4 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6  | 21.6 | 21.6  | 21.6  | 21.6  |
| IV 18000<br>16000     | 28.1                     | 32.8 | 33.2 | 33.6 | 33.9 | 33.9 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0  | 34.0 | 34.0  | 34.0  | 34.0  |
| IV 14000<br>12000     | 29.3                     | 34.2 | 34.6 | 35.0 | 35.3 | 35.3 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4  | 35.4 | 35.4  | 35.4  | 35.4  |
| IV 10000<br>9000      | 31.0                     | 37.2 | 37.5 | 38.0 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4  | 38.4 | 38.4  | 38.4  | 38.4  |
| IV 8000<br>7000       | 32.7                     | 39.8 | 40.1 | 40.6 | 41.0 | 41.0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.2  | 41.2 | 41.4  | 41.4  | 41.4  |
| IV 6000<br>5000       | 33.2                     | 41.0 | 41.6 | 42.2 | 42.8 | 42.8 | 42.9 | 42.9 | 42.9 | 42.9 | 43.0 | 43.0  | 43.2 | 43.2  | 43.2  | 43.2  |
| IV 4500<br>4000       | 33.4                     | 41.4 | 41.9 | 42.6 | 43.2 | 43.2 | 43.3 | 43.3 | 43.3 | 43.3 | 43.4 | 43.4  | 43.5 | 43.5  | 43.5  | 43.5  |
| IV 3500<br>3000       | 33.8                     | 42.7 | 43.2 | 43.8 | 44.4 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.6 | 44.6  | 44.8 | 44.8  | 44.8  | 44.8  |
| IV 2500<br>2000       | 34.3                     | 43.5 | 44.1 | 44.7 | 45.3 | 45.3 | 45.4 | 45.4 | 45.4 | 45.4 | 45.5 | 45.5  | 45.7 | 45.7  | 45.7  | 45.7  |
| IV 1800<br>1500       | 34.8                     | 44.7 | 45.3 | 46.1 | 46.8 | 46.8 | 46.9 | 46.9 | 46.9 | 46.9 | 47.0 | 47.0  | 47.1 | 47.1  | 47.1  | 47.1  |
| IV 1200<br>1000       | 36.0                     | 46.8 | 47.4 | 48.4 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.4 | 49.4  | 49.6 | 49.6  | 49.6  | 49.6  |
| IV 900<br>800         | 36.9                     | 49.1 | 49.7 | 50.9 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.9 | 51.9  | 52.1 | 52.1  | 52.1  | 52.1  |
| IV 700<br>600         | 39.2                     | 53.4 | 54.3 | 55.8 | 56.8 | 56.8 | 57.0 | 57.0 | 57.0 | 57.1 | 57.5 | 57.5  | 57.7 | 57.7  | 57.8  | 57.8  |
| IV 500<br>400         | 41.2                     | 59.5 | 60.9 | 62.7 | 64.2 | 64.2 | 65.1 | 65.1 | 65.1 | 65.5 | 66.0 | 66.0  | 66.2 | 66.2  | 66.3  | 66.3  |
| IV 300<br>200         | 41.9                     | 61.7 | 63.9 | 66.4 | 68.8 | 68.8 | 69.6 | 69.6 | 69.6 | 70.1 | 70.7 | 70.7  | 70.9 | 70.9  | 71.0  | 71.0  |
| IV 100<br>0           | 42.4                     | 62.4 | 64.6 | 67.3 | 69.7 | 69.7 | 70.5 | 70.5 | 70.5 | 71.0 | 71.6 | 71.6  | 71.8 | 71.8  | 71.9  | 71.9  |
| IV 0                  | 43.7                     | 65.0 | 67.6 | 70.6 | 73.5 | 73.5 | 74.4 | 74.4 | 74.4 | 75.0 | 75.6 | 75.6  | 76.1 | 76.1  | 76.2  | 76.2  |
| IV 0                  | 44.3                     | 67.3 | 70.1 | 73.4 | 76.7 | 76.8 | 78.0 | 78.0 | 78.0 | 78.7 | 79.3 | 79.3  | 79.7 | 79.7  | 79.8  | 79.8  |
| IV 0                  | 44.4                     | 68.6 | 71.7 | 75.3 | 79.0 | 79.1 | 80.9 | 81.1 | 81.1 | 81.9 | 82.5 | 82.5  | 83.0 | 83.0  | 83.1  | 83.2  |
| IV 0                  | 44.4                     | 69.6 | 72.8 | 76.3 | 80.2 | 80.3 | 82.1 | 82.3 | 82.3 | 83.1 | 83.8 | 83.8  | 84.2 | 84.2  | 84.3  | 84.6  |
| IV 0                  | 44.6                     | 70.8 | 74.6 | 78.7 | 82.9 | 83.1 | 85.2 | 85.6 | 85.6 | 86.4 | 87.3 | 87.3  | 87.8 | 87.8  | 88.1  | 88.4  |
| IV 0                  | 44.8                     | 71.7 | 75.9 | 80.1 | 84.9 | 85.1 | 87.5 | 87.8 | 87.8 | 88.6 | 89.6 | 89.6  | 90.1 | 90.1  | 90.4  | 90.7  |
| IV 0                  | 44.8                     | 72.1 | 76.7 | 81.2 | 86.6 | 86.9 | 89.7 | 90.1 | 90.1 | 91.2 | 92.3 | 92.3  | 93.0 | 93.0  | 93.3  | 93.5  |
| IV 0                  | 44.8                     | 72.1 | 77.1 | 82.0 | 88.1 | 88.4 | 91.4 | 91.8 | 91.8 | 92.9 | 94.0 | 94.0  | 94.8 | 94.8  | 95.1  | 95.3  |
| IV 0                  | 44.8                     | 72.1 | 77.1 | 82.0 | 88.2 | 88.5 | 91.7 | 92.1 | 92.1 | 93.6 | 94.9 | 94.9  | 95.7 | 95.7  | 96.0  | 96.2  |
| IV 0                  | 44.8                     | 72.1 | 77.1 | 82.0 | 88.3 | 88.6 | 92.0 | 92.5 | 92.5 | 94.3 | 95.8 | 95.8  | 96.9 | 97.0  | 98.1  | 98.4  |
| IV 0                  | 44.8                     | 72.1 | 77.1 | 82.0 | 88.3 | 88.6 | 92.0 | 92.5 | 92.5 | 94.3 | 95.8 | 95.8  | 97.0 | 97.0  | 98.7  | 99.5  |
| IV 0                  | 44.8                     | 72.1 | 77.1 | 82.0 | 88.3 | 88.6 | 92.0 | 92.5 | 92.5 | 94.3 | 95.8 | 95.8  | 97.0 | 97.1  | 98.7  | 100.0 |
| IV 0                  | 44.8                     | 72.1 | 77.1 | 82.0 | 88.3 | 88.6 | 92.0 | 92.5 | 92.5 | 94.3 | 95.8 | 95.8  | 97.0 | 97.1  | 98.7  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1116



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

WDSLLP-D KOREA/CHEJU-DG RCK K-39  
STATION NAME

55-65.67  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS, U.S.

| CEILING<br>FFFL | VISIBILITY (STATUTE MILES) |      |      |      |      |         |      |         |         |      |       |       |       |        |       |       |
|-----------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2 1/2 | ≥ 2  | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1  | ≥ 3/4 | ≥ 5/8 | ≥ 1/2 | ≥ 5/16 | ≥ 1/4 | ≥ 0   |
| NO CEILING      | 22.0                       | 24.8 | 24.9 | 24.9 | 24.9 | 24.9    | 24.9 | 24.9    | 24.9    | 24.9 | 24.9  | 24.9  | 24.9  | 24.9   | 24.9  | 24.9  |
| ≥ 20000         | 30.0                       | 34.8 | 35.0 | 35.3 | 35.5 | 35.5    | 35.6 | 35.6    | 35.6    | 35.8 | 35.8  | 35.8  | 35.8  | 35.8   | 35.8  | 35.8  |
| IV 18000        | 30.2                       | 34.9 | 35.2 | 35.5 | 35.7 | 35.7    | 35.8 | 35.8    | 35.8    | 35.9 | 35.9  | 35.9  | 35.9  | 35.9   | 35.9  | 35.9  |
| IV 16000        | 30.2                       | 35.0 | 35.3 | 35.6 | 35.8 | 35.8    | 35.8 | 35.8    | 35.8    | 36.0 | 36.0  | 36.0  | 36.0  | 36.0   | 36.0  | 36.0  |
| IV 14000        | 31.5                       | 36.8 | 37.2 | 37.5 | 37.6 | 37.6    | 37.7 | 37.7    | 37.7    | 37.9 | 37.9  | 37.9  | 37.9  | 37.9   | 37.9  | 37.9  |
| IV 12000        | 33.6                       | 40.1 | 40.5 | 40.8 | 40.9 | 40.9    | 41.0 | 41.0    | 41.0    | 41.2 | 41.2  | 41.2  | 41.2  | 41.2   | 41.2  | 41.2  |
| IV 10000        | 34.6                       | 41.7 | 42.1 | 42.4 | 42.6 | 42.6    | 42.7 | 42.7    | 42.7    | 42.8 | 42.9  | 42.9  | 42.9  | 42.9   | 42.9  | 42.9  |
| IV 9000         | 34.6                       | 41.7 | 42.1 | 42.4 | 42.6 | 42.6    | 42.7 | 42.7    | 42.7    | 42.8 | 42.9  | 42.9  | 42.9  | 42.9   | 42.9  | 42.9  |
| IV 8000         | 35.4                       | 43.4 | 43.9 | 44.3 | 44.6 | 44.6    | 44.7 | 44.7    | 44.7    | 44.9 | 45.0  | 45.0  | 45.0  | 45.0   | 45.0  | 45.0  |
| IV 7000         | 35.8                       | 43.9 | 44.4 | 44.8 | 45.2 | 45.2    | 45.3 | 45.3    | 45.3    | 45.4 | 45.5  | 45.5  | 45.5  | 45.5   | 45.5  | 45.5  |
| IV 6000         | 36.1                       | 44.7 | 45.3 | 45.6 | 46.0 | 46.0    | 46.1 | 46.1    | 46.1    | 46.2 | 46.3  | 46.3  | 46.3  | 46.3   | 46.3  | 46.3  |
| IV 5000         | 36.3                       | 45.5 | 46.1 | 46.4 | 46.8 | 46.8    | 46.9 | 46.9    | 46.9    | 47.0 | 47.1  | 47.1  | 47.1  | 47.1   | 47.1  | 47.1  |
| IV 4500         | 36.8                       | 46.4 | 47.2 | 47.6 | 48.0 | 48.0    | 48.1 | 48.1    | 48.1    | 48.3 | 48.4  | 48.4  | 48.5  | 48.5   | 48.5  | 48.5  |
| IV 4000         | 38.4                       | 49.6 | 50.7 | 51.1 | 51.5 | 51.5    | 51.6 | 51.6    | 51.6    | 51.9 | 52.1  | 52.1  | 52.2  | 52.2   | 52.2  | 52.2  |
| IV 3500         | 39.7                       | 51.4 | 52.5 | 52.9 | 53.3 | 53.3    | 53.4 | 53.4    | 53.4    | 53.7 | 53.9  | 53.9  | 53.9  | 53.9   | 53.9  | 53.9  |
| IV 3000         | 42.1                       | 55.6 | 56.6 | 57.6 | 58.3 | 58.3    | 58.4 | 58.4    | 58.4    | 58.8 | 59.1  | 59.1  | 59.4  | 59.4   | 59.4  | 59.4  |
| IV 2500         | 44.6                       | 61.3 | 62.7 | 63.8 | 64.6 | 64.6    | 64.8 | 64.8    | 64.8    | 65.7 | 65.9  | 65.9  | 66.3  | 66.3   | 66.4  | 66.4  |
| IV 2000         | 45.5                       | 63.3 | 65.2 | 66.9 | 68.3 | 68.3    | 68.7 | 68.7    | 68.7    | 69.7 | 70.0  | 70.0  | 70.3  | 70.3   | 70.5  | 70.5  |
| IV 1800         | 45.6                       | 63.4 | 65.3 | 67.0 | 68.5 | 68.5    | 68.9 | 68.9    | 68.9    | 69.9 | 70.2  | 70.2  | 70.5  | 70.5   | 70.7  | 70.7  |
| IV 1500         | 46.4                       | 65.2 | 68.0 | 70.3 | 71.9 | 72.0    | 72.4 | 72.4    | 72.4    | 73.5 | 73.9  | 73.9  | 74.4  | 74.4   | 74.6  | 74.6  |
| IV 1200         | 46.8                       | 66.7 | 69.6 | 72.0 | 73.8 | 74.3    | 75.4 | 75.4    | 75.4    | 76.5 | 77.0  | 77.0  | 77.4  | 77.4   | 77.6  | 77.6  |
| IV 1000         | 47.0                       | 69.1 | 72.5 | 75.3 | 77.8 | 78.2    | 79.5 | 79.5    | 79.6    | 81.2 | 81.8  | 81.8  | 82.3  | 82.3   | 82.4  | 82.4  |
| IV 900          | 47.0                       | 69.6 | 73.6 | 76.6 | 79.2 | 79.7    | 81.1 | 81.3    | 81.3    | 82.9 | 83.5  | 83.5  | 84.0  | 84.0   | 84.1  | 84.1  |
| IV 800          | 47.0                       | 71.1 | 75.7 | 79.1 | 82.3 | 82.7    | 84.1 | 84.3    | 84.3    | 86.0 | 86.9  | 86.9  | 87.5  | 87.5   | 87.6  | 87.6  |
| IV 700          | 47.5                       | 72.7 | 77.7 | 81.2 | 84.9 | 85.4    | 87.0 | 87.2    | 87.2    | 89.0 | 89.9  | 89.9  | 90.4  | 90.4   | 90.8  | 90.8  |
| IV 600          | 47.5                       | 73.1 | 78.2 | 81.7 | 85.8 | 86.3    | 88.5 | 88.7    | 88.7    | 91.0 | 91.9  | 91.9  | 92.7  | 92.7   | 93.1  | 93.1  |
| IV 500          | 47.6                       | 73.3 | 78.8 | 83.2 | 87.9 | 88.4    | 90.9 | 91.2    | 91.2    | 93.5 | 94.7  | 94.7  | 96.1  | 96.1   | 96.6  | 96.6  |
| IV 400          | 47.6                       | 73.3 | 78.8 | 83.3 | 88.0 | 88.4    | 91.1 | 91.5    | 91.5    | 93.9 | 95.2  | 95.2  | 96.8  | 96.8   | 97.4  | 97.4  |
| IV 300          | 47.6                       | 73.3 | 78.9 | 83.4 | 88.1 | 88.5    | 91.3 | 91.7    | 91.7    | 94.3 | 95.5  | 95.5  | 97.5  | 97.5   | 98.7  | 98.7  |
| IV 200          | 47.6                       | 73.3 | 78.9 | 83.4 | 88.1 | 88.5    | 91.3 | 91.7    | 91.7    | 94.4 | 95.6  | 95.6  | 97.8  | 97.8   | 99.3  | 99.3  |
| IV 100          | 47.6                       | 73.3 | 78.9 | 83.4 | 88.1 | 88.5    | 91.3 | 91.7    | 91.7    | 94.4 | 95.6  | 95.6  | 97.8  | 97.8   | 99.3  | 100.0 |
| IV 0            | 47.6                       | 73.3 | 78.9 | 83.4 | 88.1 | 88.5    | 91.3 | 91.7    | 91.7    | 94.4 | 95.6  | 95.6  | 97.8  | 97.8   | 99.3  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MC5ULP-C KORIA/CHEJU-DC RCK K-34

55-65,67

JUL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-00-200

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 18.8                       | 25.3 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4  | 25.4 | 25.4  | 25.4  | 25.4  |
| ≥ 20000         | 24.6                       | 33.9 | 34.1 | 34.6 | 34.6 | 34.6 | 34.6 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7  | 34.7 | 34.7  | 34.7  | 34.7  |
| IV 18000        | 24.9                       | 34.1 | 34.3 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9  | 34.9 | 34.9  | 34.9  | 34.9  |
| IV 16000        | 25.3                       | 34.5 | 34.7 | 35.2 | 35.2 | 35.2 | 35.2 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3  | 35.3 | 35.3  | 35.3  | 35.3  |
| IV 14000        | 25.8                       | 35.7 | 35.8 | 36.4 | 36.4 | 36.4 | 36.4 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5  | 36.5 | 36.5  | 36.5  | 36.5  |
| IV 12000        | 27.0                       | 38.4 | 39.0 | 39.5 | 39.6 | 39.6 | 39.6 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7  | 39.7 | 39.7  | 39.7  | 39.7  |
| IV 10000        | 27.5                       | 40.1 | 40.7 | 41.2 | 41.4 | 41.4 | 41.4 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5  | 41.5 | 41.5  | 41.5  | 41.5  |
| IV 9000         | 27.5                       | 40.1 | 40.7 | 41.2 | 41.4 | 41.4 | 41.4 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5  | 41.5 | 41.5  | 41.5  | 41.5  |
| IV 8000         | 28.2                       | 41.3 | 42.0 | 42.8 | 43.0 | 43.0 | 43.0 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1  | 43.1 | 43.1  | 43.1  | 43.1  |
| IV 7000         | 28.5                       | 41.7 | 42.4 | 43.2 | 43.4 | 43.4 | 43.4 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5  | 43.5 | 43.5  | 43.5  | 43.5  |
| IV 6000         | 28.7                       | 42.3 | 43.0 | 44.0 | 44.2 | 44.2 | 44.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3  | 44.3 | 44.3  | 44.3  | 44.3  |
| IV 5000         | 29.0                       | 43.5 | 44.2 | 45.2 | 45.3 | 45.3 | 45.3 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4  | 45.4 | 45.4  | 45.4  | 45.4  |
| IV 4500         | 29.6                       | 44.0 | 44.8 | 45.8 | 46.0 | 46.0 | 46.0 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1  | 46.1 | 46.1  | 46.1  | 46.1  |
| IV 4000         | 30.6                       | 46.3 | 47.1 | 48.1 | 48.3 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.6 | 48.7  | 48.7 | 48.9  | 48.9  | 48.9  |
| IV 3500         | 31.4                       | 47.7 | 48.6 | 49.6 | 49.8 | 49.8 | 49.8 | 49.9 | 49.9 | 50.1 | 50.2 | 50.2  | 50.4 | 50.4  | 50.4  | 50.4  |
| IV 3000         | 33.1                       | 51.5 | 52.5 | 53.9 | 54.2 | 54.2 | 54.2 | 54.3 | 54.3 | 54.7 | 54.9 | 54.9  | 55.4 | 55.4  | 55.5  | 55.5  |
| IV 2500         | 35.5                       | 59.1 | 60.8 | 62.7 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.5 | 63.9 | 63.9  | 64.6 | 64.6  | 64.7  | 64.7  |
| IV 2000         | 35.8                       | 61.7 | 63.8 | 66.7 | 67.1 | 67.1 | 67.4 | 67.5 | 67.5 | 68.2 | 68.6 | 68.6  | 69.7 | 69.7  | 69.9  | 69.9  |
| IV 1800         | 35.8                       | 62.0 | 64.2 | 67.0 | 67.6 | 67.6 | 67.8 | 67.9 | 67.9 | 68.6 | 69.1 | 69.1  | 70.2 | 70.2  | 70.3  | 70.3  |
| IV 1500         | 36.5                       | 63.8 | 66.5 | 69.9 | 70.7 | 70.7 | 71.1 | 71.1 | 71.1 | 72.0 | 72.4 | 72.4  | 73.5 | 73.5  | 73.7  | 73.7  |
| IV 1200         | 37.0                       | 66.3 | 69.4 | 72.8 | 73.8 | 73.8 | 74.5 | 74.6 | 74.6 | 75.5 | 76.2 | 76.2  | 77.3 | 77.3  | 77.5  | 77.5  |
| IV 1000         | 37.3                       | 68.6 | 72.0 | 76.0 | 77.6 | 77.6 | 78.5 | 78.7 | 78.7 | 80.2 | 81.0 | 81.0  | 82.2 | 82.2  | 82.3  | 82.3  |
| IV 900          | 37.3                       | 69.5 | 73.2 | 77.6 | 79.4 | 79.4 | 80.4 | 80.6 | 80.6 | 82.1 | 82.9 | 82.9  | 84.1 | 84.1  | 84.2  | 84.2  |
| IV 800          | 37.3                       | 70.7 | 74.9 | 79.6 | 82.0 | 82.0 | 83.2 | 83.3 | 83.3 | 84.9 | 85.9 | 85.9  | 87.1 | 87.1  | 87.4  | 87.4  |
| IV 700          | 37.5                       | 71.6 | 76.1 | 80.8 | 83.6 | 83.6 | 85.2 | 85.4 | 85.4 | 87.1 | 88.2 | 88.2  | 89.4 | 89.4  | 89.8  | 89.8  |
| IV 600          | 37.5                       | 72.0 | 77.2 | 82.3 | 85.4 | 85.4 | 87.2 | 87.5 | 87.5 | 89.3 | 90.4 | 90.4  | 91.8 | 91.8  | 92.1  | 92.1  |
| IV 500          | 37.5                       | 72.1 | 77.5 | 83.1 | 86.5 | 86.5 | 88.7 | 89.1 | 89.1 | 91.4 | 92.6 | 92.6  | 94.4 | 94.4  | 95.0  | 95.0  |
| IV 400          | 37.5                       | 72.2 | 77.6 | 83.2 | 86.6 | 86.6 | 89.2 | 89.6 | 89.6 | 92.2 | 93.4 | 93.4  | 95.6 | 95.6  | 96.1  | 96.1  |
| IV 300          | 37.5                       | 72.2 | 77.6 | 83.4 | 86.8 | 86.8 | 89.6 | 90.0 | 90.0 | 92.6 | 93.8 | 93.8  | 96.8 | 96.8  | 97.8  | 97.8  |
| IV 200          | 37.5                       | 72.2 | 77.6 | 83.4 | 86.8 | 86.8 | 89.6 | 90.0 | 90.0 | 92.6 | 93.8 | 93.8  | 96.8 | 96.8  | 98.1  | 98.1  |
| IV 100          | 37.5                       | 72.2 | 77.6 | 83.4 | 86.8 | 86.8 | 89.6 | 90.0 | 90.0 | 92.6 | 93.8 | 93.8  | 96.8 | 96.8  | 98.1  | 98.1  |
| IV 0            | 37.5                       | 72.2 | 77.6 | 83.4 | 86.8 | 86.8 | 89.6 | 90.0 | 90.0 | 92.6 | 93.8 | 93.8  | 96.8 | 96.8  | 98.1  | 98.1  |

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

42263

MOSULP-C KOREA/CHEJU-CC RCK X-39

55-65.67

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-1300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |        |      |       |      |       |       |      |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|--------|------|-------|------|-------|-------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.25 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 |
| NO CEILING      | 16.7                     | 29.7 | 29.8 | 29.9 | 30.0 | 30.1  | 30.1 | 30.1  | 30.1   | 30.2 | 30.2  | 30.2 | 30.2  | 30.2  | 30.2 |
| ≥ 20000         | 18.4                     | 34.7 | 35.6 | 35.7 | 35.8 | 36.1  | 36.1 | 36.1  | 36.1   | 36.2 | 36.2  | 36.2 | 36.2  | 36.2  | 36.2 |
| ≥ 10000         | 18.5                     | 34.8 | 35.7 | 35.8 | 35.9 | 36.2  | 36.2 | 36.2  | 36.2   | 36.3 | 36.3  | 36.3 | 36.3  | 36.3  | 36.3 |
| ≥ 16000         | 18.5                     | 34.9 | 35.8 | 35.9 | 36.1 | 36.4  | 36.4 | 36.4  | 36.4   | 36.5 | 36.5  | 36.5 | 36.5  | 36.5  | 36.5 |
| ≥ 14000         | 18.6                     | 35.2 | 36.1 | 36.3 | 36.5 | 36.7  | 36.7 | 36.7  | 36.7   | 36.8 | 36.8  | 36.8 | 36.8  | 36.8  | 36.8 |
| ≥ 12000         | 19.7                     | 37.6 | 38.8 | 39.0 | 39.2 | 39.5  | 39.5 | 39.5  | 39.5   | 39.6 | 39.6  | 39.6 | 39.6  | 39.6  | 39.6 |
| ≥ 10000         | 20.3                     | 40.1 | 41.1 | 41.3 | 41.6 | 41.8  | 41.8 | 41.8  | 41.8   | 41.9 | 41.9  | 41.9 | 41.9  | 41.9  | 41.9 |
| ≥ 9000          | 20.3                     | 40.1 | 41.1 | 41.3 | 41.6 | 41.8  | 41.8 | 41.8  | 41.8   | 41.9 | 41.9  | 41.9 | 41.9  | 41.9  | 41.9 |
| ≥ 8000          | 21.0                     | 40.9 | 42.0 | 42.2 | 42.5 | 42.7  | 42.7 | 42.7  | 42.7   | 42.8 | 42.8  | 42.8 | 42.8  | 42.8  | 42.8 |
| ≥ 7000          | 21.1                     | 41.0 | 42.2 | 42.4 | 42.7 | 42.9  | 42.9 | 42.9  | 42.9   | 43.0 | 43.0  | 43.0 | 43.0  | 43.0  | 43.0 |
| ≥ 6000          | 21.2                     | 41.2 | 42.4 | 43.0 | 43.3 | 43.5  | 43.5 | 43.5  | 43.5   | 43.6 | 43.6  | 43.6 | 43.6  | 43.6  | 43.6 |
| ≥ 5000          | 21.8                     | 42.5 | 43.6 | 44.3 | 44.5 | 44.8  | 44.8 | 44.8  | 44.8   | 44.9 | 44.9  | 44.9 | 44.9  | 44.9  | 44.9 |
| ≥ 4500          | 21.8                     | 42.8 | 44.0 | 44.6 | 44.9 | 45.2  | 45.2 | 45.2  | 45.2   | 45.3 | 45.3  | 45.3 | 45.3  | 45.3  | 45.3 |
| ≥ 4000          | 22.1                     | 45.0 | 46.1 | 46.8 | 47.0 | 47.3  | 47.3 | 47.3  | 47.3   | 47.5 | 47.5  | 47.5 | 47.5  | 47.5  | 47.5 |
| ≥ 3500          | 22.8                     | 46.3 | 47.6 | 48.2 | 48.6 | 48.8  | 48.9 | 48.9  | 48.9   | 49.2 | 49.2  | 49.2 | 49.2  | 49.2  | 49.2 |
| ≥ 3000          | 24.1                     | 51.2 | 52.6 | 53.2 | 53.7 | 53.9  | 54.1 | 54.1  | 54.1   | 54.8 | 55.1  | 55.1 | 55.1  | 55.1  | 55.1 |
| ≥ 2500          | 26.3                     | 59.3 | 61.8 | 62.5 | 63.2 | 63.4  | 63.7 | 63.7  | 63.7   | 64.7 | 65.2  | 65.2 | 65.4  | 65.4  | 65.4 |
| ≥ 2000          | 26.4                     | 63.4 | 66.5 | 67.7 | 68.9 | 69.2  | 69.8 | 69.8  | 69.8   | 71.0 | 71.5  | 71.5 | 72.1  | 72.1  | 72.3 |
| ≥ 1800          | 26.4                     | 63.5 | 66.6 | 67.7 | 69.1 | 69.3  | 69.9 | 69.9  | 69.9   | 71.1 | 71.7  | 71.7 | 72.3  | 72.3  | 72.5 |
| ≥ 1500          | 26.7                     | 64.7 | 68.0 | 69.7 | 71.1 | 71.4  | 72.0 | 72.0  | 72.0   | 73.5 | 74.0  | 74.0 | 74.7  | 74.7  | 74.9 |
| ≥ 1200          | 26.7                     | 66.8 | 70.7 | 72.8 | 74.7 | 75.0  | 75.6 | 75.8  | 75.8   | 77.6 | 78.1  | 78.1 | 78.9  | 78.9  | 79.3 |
| ≥ 1000          | 27.0                     | 68.8 | 73.1 | 75.8 | 78.2 | 78.5  | 79.3 | 79.6  | 79.6   | 81.5 | 82.0  | 82.0 | 82.9  | 82.9  | 83.4 |
| ≥ 900           | 27.0                     | 69.4 | 73.7 | 76.6 | 79.1 | 79.4  | 80.2 | 80.5  | 80.5   | 82.3 | 82.9  | 82.9 | 83.8  | 83.8  | 84.4 |
| ≥ 800           | 27.0                     | 70.3 | 75.1 | 78.5 | 81.1 | 81.4  | 82.4 | 82.7  | 82.7   | 84.8 | 85.3  | 85.3 | 86.3  | 86.3  | 87.1 |
| ≥ 700           | 27.0                     | 70.9 | 76.1 | 80.0 | 83.1 | 83.3  | 84.7 | 84.9  | 84.9   | 87.0 | 87.6  | 87.6 | 88.8  | 88.8  | 89.7 |
| ≥ 600           | 27.0                     | 71.3 | 77.1 | 81.2 | 84.8 | 85.0  | 86.8 | 86.9  | 86.9   | 89.0 | 89.9  | 89.9 | 91.1  | 91.1  | 92.0 |
| ≥ 500           | 27.0                     | 71.4 | 77.5 | 82.0 | 86.3 | 86.6  | 88.2 | 88.4  | 88.5   | 91.0 | 91.9  | 91.9 | 94.2  | 94.4  | 95.3 |
| ≥ 400           | 27.0                     | 71.4 | 77.5 | 82.0 | 86.3 | 86.6  | 88.3 | 88.6  | 88.7   | 91.8 | 92.7  | 92.7 | 95.3  | 95.4  | 96.5 |
| ≥ 300           | 27.0                     | 71.4 | 77.5 | 82.0 | 86.3 | 86.6  | 88.4 | 88.7  | 88.8   | 92.1 | 93.1  | 93.1 | 95.9  | 96.1  | 97.1 |
| ≥ 200           | 27.0                     | 71.4 | 77.5 | 82.0 | 86.3 | 86.6  | 88.4 | 88.7  | 88.8   | 92.1 | 93.1  | 93.1 | 95.9  | 96.1  | 97.4 |
| ≥ 100           | 27.0                     | 71.4 | 77.5 | 82.0 | 86.3 | 86.6  | 88.4 | 88.7  | 88.8   | 92.1 | 93.1  | 93.1 | 95.9  | 96.1  | 97.4 |
| ≥ 0             | 27.0                     | 71.4 | 77.5 | 82.0 | 86.3 | 86.6  | 88.4 | 88.7  | 88.8   | 92.1 | 93.1  | 93.1 | 95.9  | 96.1  | 97.4 |

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MOSLLE-O KOREA/CHEJU-OO ROK K-39 54-66

ALC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-2200

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |       |       |       |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 0  |
| NO CEILING      | 28.9                     | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3  | 53.3 |
| ≥ 20000         | 30.9                     | 61.8 | 61.9 | 61.9 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1  | 62.1  | 62.1  | 62.1  | 62.1 |
| IV 18000        | 30.9                     | 61.8 | 61.9 | 61.9 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1  | 62.1  | 62.1  | 62.1  | 62.1 |
| IV 16000        | 31.0                     | 61.9 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2  | 62.2  | 62.2  | 62.2  | 62.2 |
| IV 14000        | 31.4                     | 63.0 | 63.1 | 63.1 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4  | 63.4  | 63.4  | 63.4  | 63.4 |
| IV 12000        | 32.7                     | 65.1 | 65.2 | 65.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4  | 65.4  | 65.4  | 65.4  | 65.4 |
| IV 10000        | 33.3                     | 66.8 | 66.9 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  | 67.2  | 67.2  | 67.2  | 67.2 |
| IV 9000         | 33.3                     | 66.8 | 66.9 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  | 67.2  | 67.2  | 67.2  | 67.2 |
| IV 8000         | 34.1                     | 68.4 | 68.6 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8  | 68.8  | 68.8  | 68.8  | 68.8 |
| IV 7000         | 34.2                     | 68.5 | 68.7 | 68.8 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1  | 69.1  | 69.1  | 69.1  | 69.1 |
| IV 6000         | 34.4                     | 68.7 | 69.0 | 69.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.4 | 69.4  | 69.4  | 69.4  | 69.4  | 69.4 |
| IV 5000         | 34.9                     | 69.3 | 69.6 | 69.6 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 70.1 | 70.1 | 70.1  | 70.1  | 70.1  | 70.1  | 70.1 |
| IV 4500         | 35.9                     | 70.9 | 71.2 | 71.3 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.8 | 71.8 | 71.8  | 71.8  | 71.8  | 71.8  | 71.8 |
| IV 4000         | 37.1                     | 73.1 | 73.4 | 73.5 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0  | 74.1  | 74.1  | 74.1  | 74.1 |
| IV 3500         | 38.5                     | 75.8 | 76.1 | 76.2 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.7 | 76.7 | 76.7  | 76.8  | 76.8  | 76.8  | 76.8 |
| IV 3000         | 40.4                     | 80.6 | 81.4 | 81.6 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1  | 82.2  | 82.2  | 82.2  | 82.2 |
| IV 2500         | 41.9                     | 86.8 | 88.0 | 88.3 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.9 | 88.9 | 88.9  | 89.0  | 89.0  | 89.0  | 89.0 |
| IV 2000         | 42.0                     | 88.6 | 90.1 | 90.6 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.5 | 91.5 | 91.5  | 91.6  | 91.6  | 91.6  | 91.6 |
| IV 1800         | 42.1                     | 88.8 | 90.3 | 91.1 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 92.1 | 92.1 | 92.1  | 92.1  | 92.1  | 92.1  | 92.1 |
| IV 1500         | 42.3                     | 89.7 | 91.5 | 92.4 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.6 | 93.6 | 93.6  | 93.7  | 93.7  | 93.7  | 93.7 |
| IV 1200         | 42.3                     | 90.8 | 93.1 | 94.2 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 96.1 | 96.1 | 96.1  | 96.2  | 96.2  | 96.2  | 96.2 |
| IV 1000         | 42.6                     | 91.4 | 94.0 | 95.2 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 97.3 | 97.3 | 97.3  | 97.4  | 97.4  | 97.4  | 97.4 |
| IV 900          | 42.6                     | 91.4 | 94.0 | 95.3 | 96.4 | 96.4 | 96.8 | 96.8 | 96.8 | 97.4 | 97.4 | 97.4  | 97.5  | 97.5  | 97.5  | 97.5 |
| IV 800          | 42.6                     | 91.7 | 94.5 | 95.8 | 96.9 | 96.9 | 97.3 | 97.3 | 97.3 | 98.1 | 98.1 | 98.1  | 98.2  | 98.2  | 98.2  | 98.2 |
| IV 700          | 42.6                     | 91.9 | 94.6 | 96.0 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 98.4 | 98.4 | 98.4  | 98.6  | 98.6  | 98.6  | 98.6 |
| IV 600          | 42.6                     | 91.9 | 94.6 | 96.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 98.6 | 98.6 | 98.6  | 98.8  | 98.8  | 98.8  | 98.8 |
| IV 500          | 42.6                     | 91.9 | 94.6 | 96.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 98.8 | 98.8 | 98.8  | 98.9  | 98.9  | 98.9  | 98.9 |
| IV 400          | 42.6                     | 91.9 | 94.6 | 96.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 98.8 | 98.8 | 98.8  | 98.9  | 98.9  | 98.9  | 98.9 |
| IV 300          | 42.6                     | 91.9 | 94.6 | 96.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 98.8 | 98.8 | 98.8  | 98.9  | 98.9  | 98.9  | 98.9 |
| IV 200          | 42.6                     | 91.9 | 94.6 | 96.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 98.8 | 98.8 | 98.8  | 98.9  | 98.9  | 98.9  | 98.9 |
| IV 100          | 42.6                     | 91.9 | 94.6 | 96.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 98.8 | 98.8 | 98.8  | 98.9  | 98.9  | 98.9  | 98.9 |
| IV 0            | 42.6                     | 91.9 | 94.6 | 96.1 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 98.8 | 98.8 | 98.8  | 98.9  | 98.9  | 98.9  | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 1299

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MOSLLP-D KORFA/CHEJU-DO ROK R-39 54-66

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2200-500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |       |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|-------|------|-------|-------|
|                 | ≥ 10                     | > 6  | > 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | > 1.5 | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING      | 26.3                     | 47.9 | 48.0 | 48.4 | 48.4 | 48.4  | 48.4 | 48.4  | 48.4  | 48.4 | 48.4 | 48.4 | 48.4  | 48.4 | 48.4  | 48.4  |
| ≥ 20000         | 28.9                     | 56.2 | 56.2 | 56.7 | 56.7 | 56.7  | 56.7 | 56.7  | 56.7  | 56.7 | 56.7 | 56.7 | 56.7  | 56.7 | 56.7  | 56.7  |
| IN 8000         | 28.9                     | 56.5 | 56.7 | 57.1 | 57.2 | 57.2  | 57.2 | 57.2  | 57.2  | 57.2 | 57.2 | 57.2 | 57.2  | 57.2 | 57.2  | 57.2  |
| IN 16000        | 28.9                     | 56.5 | 56.7 | 57.1 | 57.2 | 57.2  | 57.2 | 57.2  | 57.2  | 57.2 | 57.2 | 57.2 | 57.2  | 57.2 | 57.2  | 57.2  |
| IN 14000        | 29.4                     | 57.7 | 58.0 | 58.4 | 58.5 | 58.5  | 58.5 | 58.5  | 58.5  | 58.5 | 58.5 | 58.5 | 58.5  | 58.5 | 58.5  | 58.5  |
| IN 12000        | 30.6                     | 59.6 | 59.9 | 60.3 | 60.4 | 60.4  | 60.4 | 60.4  | 60.4  | 60.4 | 60.4 | 60.4 | 60.4  | 60.4 | 60.4  | 60.4  |
| IN 10000        | 31.9                     | 62.2 | 62.4 | 62.9 | 62.9 | 62.9  | 62.9 | 62.9  | 62.9  | 62.9 | 62.9 | 62.9 | 62.9  | 62.9 | 62.9  | 62.9  |
| IN 9000         | 31.9                     | 62.2 | 62.5 | 62.9 | 63.0 | 63.0  | 63.0 | 63.0  | 63.0  | 63.0 | 63.0 | 63.0 | 63.0  | 63.0 | 63.0  | 63.0  |
| IN 8000         | 32.7                     | 64.2 | 64.5 | 64.9 | 65.0 | 65.0  | 65.0 | 65.0  | 65.0  | 65.0 | 65.0 | 65.0 | 65.0  | 65.0 | 65.0  | 65.0  |
| IN 7000         | 32.8                     | 64.5 | 64.9 | 65.3 | 65.4 | 65.4  | 65.4 | 65.4  | 65.4  | 65.4 | 65.4 | 65.4 | 65.4  | 65.4 | 65.4  | 65.4  |
| IN 6000         | 32.8                     | 64.7 | 65.1 | 65.5 | 65.6 | 65.6  | 65.6 | 65.6  | 65.6  | 65.6 | 65.6 | 65.6 | 65.6  | 65.6 | 65.6  | 65.6  |
| IN 5000         | 33.7                     | 66.0 | 66.4 | 66.8 | 66.9 | 67.0  | 67.0 | 67.0  | 67.0  | 67.0 | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  | 67.0  |
| IN 4500         | 34.0                     | 66.7 | 67.2 | 67.6 | 67.7 | 67.7  | 67.7 | 67.7  | 67.7  | 67.7 | 67.8 | 68.0 | 68.0  | 68.0 | 68.0  | 68.0  |
| IN 4000         | 34.7                     | 69.2 | 69.6 | 70.1 | 70.1 | 70.2  | 70.2 | 70.2  | 70.2  | 70.2 | 70.4 | 70.6 | 70.6  | 70.6 | 70.6  | 70.6  |
| IN 3500         | 36.1                     | 72.6 | 73.0 | 73.4 | 73.6 | 73.7  | 73.7 | 73.7  | 73.7  | 73.7 | 73.9 | 74.0 | 74.0  | 74.0 | 74.0  | 74.0  |
| IN 3000         | 38.8                     | 80.6 | 81.2 | 81.6 | 81.8 | 81.9  | 81.9 | 81.9  | 81.9  | 81.9 | 82.1 | 82.2 | 82.2  | 82.2 | 82.2  | 82.2  |
| IN 2500         | 40.2                     | 86.2 | 86.9 | 87.4 | 87.7 | 87.8  | 87.8 | 87.8  | 87.8  | 87.9 | 88.1 | 88.1 | 88.1  | 88.1 | 88.1  | 88.1  |
| IN 2000         | 40.5                     | 87.8 | 89.1 | 90.3 | 90.7 | 90.7  | 90.8 | 90.8  | 90.8  | 91.0 | 91.1 | 91.1 | 91.1  | 91.1 | 91.1  | 91.1  |
| IN 1800         | 40.7                     | 87.9 | 89.5 | 90.9 | 91.2 | 91.3  | 91.5 | 91.5  | 91.5  | 91.6 | 91.8 | 91.8 | 91.8  | 91.8 | 91.8  | 91.8  |
| IN 1500         | 40.8                     | 89.2 | 91.1 | 92.6 | 93.1 | 93.3  | 93.6 | 93.6  | 93.6  | 93.9 | 94.0 | 94.0 | 94.0  | 94.0 | 94.0  | 94.1  |
| IN 1200         | 40.8                     | 90.3 | 92.8 | 94.6 | 95.6 | 95.8  | 96.1 | 96.1  | 96.1  | 96.4 | 96.6 | 96.6 | 96.6  | 96.6 | 96.6  | 96.7  |
| IN 1000         | 41.4                     | 91.1 | 93.6 | 95.5 | 96.6 | 96.8  | 97.2 | 97.2  | 97.2  | 97.6 | 97.8 | 97.8 | 97.8  | 97.8 | 97.8  | 97.8  |
| IN 900          | 41.4                     | 91.1 | 93.7 | 95.5 | 96.7 | 96.9  | 97.3 | 97.3  | 97.3  | 97.7 | 97.8 | 97.8 | 97.8  | 97.8 | 97.8  | 97.9  |
| IN 800          | 41.4                     | 91.1 | 93.8 | 95.6 | 96.9 | 97.0  | 97.4 | 97.4  | 97.4  | 97.8 | 98.0 | 98.0 | 98.0  | 98.0 | 98.0  | 98.1  |
| IN 700          | 41.4                     | 91.2 | 93.9 | 95.7 | 96.9 | 97.1  | 97.6 | 97.6  | 97.6  | 98.1 | 98.3 | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  |
| IN 600          | 41.4                     | 91.6 | 94.3 | 96.1 | 97.4 | 97.6  | 98.1 | 98.1  | 98.1  | 98.7 | 98.8 | 98.8 | 98.8  | 98.8 | 98.8  | 98.9  |
| IN 500          | 41.4                     | 91.6 | 94.3 | 96.1 | 97.4 | 97.6  | 98.2 | 98.2  | 98.2  | 98.8 | 99.0 | 99.0 | 99.0  | 99.0 | 99.0  | 99.2  |
| IN 400          | 41.4                     | 91.6 | 94.3 | 96.1 | 97.4 | 97.6  | 98.2 | 98.2  | 98.2  | 98.8 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1  | 99.2  |
| IN 300          | 41.4                     | 91.6 | 94.3 | 96.1 | 97.4 | 97.6  | 98.2 | 98.2  | 98.2  | 98.8 | 99.1 | 99.1 | 99.3  | 99.3 | 99.3  | 99.4  |
| IN 200          | 41.4                     | 91.6 | 94.3 | 96.1 | 97.4 | 97.6  | 98.2 | 98.2  | 98.2  | 98.8 | 99.2 | 99.2 | 99.4  | 99.4 | 99.4  | 99.5  |
| IN 100          | 41.4                     | 91.6 | 94.3 | 96.1 | 97.4 | 97.6  | 98.2 | 98.2  | 98.2  | 98.8 | 99.2 | 99.2 | 99.6  | 99.6 | 99.6  | 100.0 |
| IN 0            | 41.4                     | 91.6 | 94.3 | 96.1 | 97.4 | 97.6  | 98.2 | 98.2  | 98.2  | 98.8 | 99.2 | 99.2 | 99.6  | 99.6 | 99.6  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MGSLLP-G KORTA/CHEJL-DO ROK K-39

54-66

AL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |        |      |       |      |       |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|--------|------|-------|------|-------|------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.25 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING      | 31.6                     | 40.8 | 41.0 | 41.2 | 41.2 | 41.2  | 41.2 | 41.2  | 41.2   | 41.2 | 41.2  | 41.2 | 41.2  | 41.2 | 41.2  | 41.2  |
| ≥ 20000         | 39.8                     | 53.7 | 54.2 | 54.2 | 54.2 | 54.2  | 54.2 | 54.2  | 54.2   | 54.2 | 54.2  | 54.2 | 54.2  | 54.2 | 54.2  | 54.2  |
| IV 18000        | 40.2                     | 54.3 | 54.7 | 54.8 | 54.8 | 54.8  | 54.8 | 54.8  | 54.8   | 54.8 | 54.8  | 54.8 | 54.8  | 54.8 | 54.8  | 54.8  |
| IV 16000        | 40.4                     | 54.6 | 54.9 | 55.1 | 55.1 | 55.1  | 55.1 | 55.1  | 55.1   | 55.1 | 55.1  | 55.1 | 55.1  | 55.1 | 55.1  | 55.1  |
| IV 14000        | 41.7                     | 56.2 | 56.5 | 56.7 | 56.7 | 56.7  | 56.7 | 56.7  | 56.7   | 56.7 | 56.7  | 56.7 | 56.7  | 56.7 | 56.7  | 56.7  |
| IV 12000        | 44.8                     | 59.9 | 60.2 | 60.4 | 60.4 | 60.4  | 60.4 | 60.4  | 60.4   | 60.4 | 60.4  | 60.4 | 60.4  | 60.4 | 60.4  | 60.4  |
| IV 10000        | 47.1                     | 63.4 | 63.8 | 63.9 | 64.0 | 64.0  | 64.0 | 64.0  | 64.0   | 64.0 | 64.0  | 64.0 | 64.0  | 64.0 | 64.0  | 64.0  |
| IV 9000         | 47.1                     | 63.4 | 63.8 | 63.9 | 64.0 | 64.0  | 64.0 | 64.0  | 64.0   | 64.0 | 64.0  | 64.0 | 64.0  | 64.0 | 64.0  | 64.0  |
| IV 8000         | 48.9                     | 66.7 | 67.0 | 67.2 | 67.3 | 67.3  | 67.3 | 67.3  | 67.3   | 67.3 | 67.3  | 67.3 | 67.3  | 67.3 | 67.3  | 67.3  |
| IV 7000         | 49.4                     | 67.4 | 67.7 | 68.0 | 68.1 | 68.1  | 68.1 | 68.1  | 68.1   | 68.1 | 68.1  | 68.1 | 68.1  | 68.1 | 68.1  | 68.1  |
| IV 6000         | 50.2                     | 68.5 | 68.8 | 69.1 | 69.1 | 69.1  | 69.1 | 69.1  | 69.1   | 69.1 | 69.1  | 69.1 | 69.1  | 69.1 | 69.1  | 69.1  |
| IV 5000         | 50.7                     | 69.2 | 69.6 | 70.0 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1   | 70.1 | 70.1  | 70.1 | 70.1  | 70.1 | 70.1  | 70.1  |
| IV 4500         | 51.3                     | 70.6 | 71.0 | 71.3 | 71.4 | 71.4  | 71.4 | 71.4  | 71.4   | 71.4 | 71.4  | 71.4 | 71.4  | 71.4 | 71.4  | 71.4  |
| IV 4000         | 53.2                     | 73.6 | 74.1 | 74.6 | 74.7 | 74.7  | 74.7 | 74.7  | 74.7   | 74.7 | 74.7  | 74.7 | 74.7  | 74.7 | 74.7  | 74.7  |
| IV 3500         | 54.3                     | 75.8 | 76.5 | 77.0 | 77.1 | 77.1  | 77.1 | 77.1  | 77.1   | 77.1 | 77.1  | 77.1 | 77.1  | 77.1 | 77.1  | 77.1  |
| IV 3000         | 57.7                     | 83.1 | 84.0 | 84.5 | 84.7 | 84.7  | 84.7 | 84.7  | 84.7   | 84.7 | 84.7  | 84.7 | 84.7  | 84.7 | 84.7  | 84.7  |
| IV 2500         | 59.1                     | 86.5 | 87.7 | 88.5 | 88.7 | 88.7  | 88.7 | 88.7  | 88.7   | 88.7 | 88.7  | 88.7 | 88.7  | 88.7 | 88.7  | 88.7  |
| IV 2000         | 59.3                     | 88.3 | 89.9 | 90.7 | 91.1 | 91.1  | 91.2 | 91.2  | 91.2   | 91.2 | 91.2  | 91.2 | 91.2  | 91.2 | 91.2  | 91.2  |
| IV 1800         | 59.3                     | 88.6 | 90.2 | 91.0 | 91.5 | 91.5  | 91.6 | 91.6  | 91.6   | 91.6 | 91.6  | 91.6 | 91.6  | 91.6 | 91.6  | 91.6  |
| IV 1500         | 59.8                     | 90.3 | 92.1 | 93.1 | 93.8 | 93.8  | 94.2 | 94.2  | 94.2   | 94.2 | 94.2  | 94.2 | 94.2  | 94.2 | 94.2  | 94.2  |
| IV 1200         | 59.9                     | 91.1 | 93.3 | 94.4 | 95.2 | 95.2  | 95.6 | 95.6  | 95.6   | 95.6 | 95.6  | 95.6 | 95.6  | 95.6 | 95.6  | 95.6  |
| IV 1000         | 60.1                     | 91.8 | 94.3 | 95.4 | 96.6 | 96.6  | 97.0 | 97.0  | 97.0   | 97.0 | 97.0  | 97.0 | 97.0  | 97.0 | 97.0  | 97.0  |
| IV 900          | 60.1                     | 91.9 | 94.4 | 95.5 | 96.8 | 96.8  | 97.2 | 97.2  | 97.2   | 97.2 | 97.2  | 97.2 | 97.2  | 97.2 | 97.2  | 97.2  |
| IV 800          | 60.1                     | 92.0 | 94.5 | 95.6 | 96.9 | 96.9  | 97.3 | 97.3  | 97.3   | 97.3 | 97.3  | 97.3 | 97.3  | 97.3 | 97.3  | 97.3  |
| IV 700          | 60.1                     | 92.1 | 94.6 | 95.8 | 97.0 | 97.0  | 97.4 | 97.4  | 97.4   | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4  |
| IV 600          | 60.1                     | 92.3 | 94.8 | 95.9 | 97.2 | 97.2  | 97.6 | 97.6  | 97.6   | 97.6 | 97.6  | 97.6 | 97.6  | 97.6 | 97.6  | 97.6  |
| IV 500          | 60.1                     | 92.3 | 95.0 | 96.2 | 97.4 | 97.4  | 98.0 | 98.0  | 98.0   | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0  |
| IV 400          | 60.1                     | 92.3 | 95.0 | 96.2 | 97.4 | 97.4  | 98.1 | 98.1  | 98.1   | 98.1 | 98.1  | 98.1 | 98.1  | 98.1 | 98.1  | 98.1  |
| IV 300          | 60.1                     | 92.3 | 95.0 | 96.2 | 97.4 | 97.4  | 98.1 | 98.1  | 98.1   | 98.1 | 98.1  | 98.1 | 98.1  | 98.1 | 98.1  | 98.1  |
| IV 200          | 60.1                     | 92.3 | 95.0 | 96.2 | 97.4 | 97.4  | 98.1 | 98.1  | 98.1   | 98.1 | 98.1  | 98.1 | 98.1  | 98.1 | 98.1  | 98.1  |
| IV 100          | 60.1                     | 92.3 | 95.0 | 96.2 | 97.4 | 97.4  | 98.1 | 98.1  | 98.1   | 98.1 | 98.1  | 98.1 | 98.1  | 98.1 | 98.1  | 98.1  |
| IV 0            | 60.1                     | 92.3 | 95.0 | 96.2 | 97.4 | 97.4  | 98.1 | 98.1  | 98.1   | 98.1 | 98.1  | 98.1 | 98.1  | 98.1 | 98.1  | 98.1  |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSULP-C KORFA/CHEJU-DO RCK K-39

54-66

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

990-110

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 37.1                     | 41.3 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4  | 41.4 | 41.4  | 41.4  | 41.4  |
| ≥ 20000         | 49.0                     | 55.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0  | 56.0 | 56.0  | 56.0  | 56.0  |
| ≥ 18000         | 49.0                     | 55.7 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1  | 56.1 | 56.1  | 56.1  | 56.1  |
| ≥ 16000         | 49.4                     | 56.1 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4  | 56.4 | 56.4  | 56.4  | 56.4  |
| ≥ 14000         | 50.8                     | 57.8 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1  | 58.1 | 58.1  | 58.1  | 58.1  |
| ≥ 12000         | 54.4                     | 62.3 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6  | 62.6 | 62.6  | 62.6  | 62.6  |
| ≥ 10000         | 56.9                     | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8  | 65.8 | 65.8  | 65.8  | 65.8  |
| ≥ 9000          | 56.9                     | 65.5 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8  | 65.8 | 65.8  | 65.8  | 65.8  |
| ≥ 8000          | 58.5                     | 68.0 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5 | 68.5  | 68.5  | 68.5  |
| ≥ 7000          | 59.1                     | 68.7 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2 | 69.2  | 69.2  | 69.2  |
| ≥ 6000          | 59.6                     | 69.6 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3  | 70.3 | 70.3  | 70.3  | 70.3  |
| ≥ 5000          | 60.5                     | 70.7 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7  | 71.7 | 71.7  | 71.7  | 71.7  |
| ≥ 4500          | 63.3                     | 74.1 | 75.0 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1  | 75.1 | 75.1  | 75.1  | 75.1  |
| ≥ 4000          | 65.3                     | 77.0 | 78.2 | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4  | 78.4 | 78.4  | 78.4  | 78.4  |
| ≥ 3500          | 66.7                     | 79.5 | 80.7 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0  | 81.0 | 81.0  | 81.0  | 81.0  |
| ≥ 3000          | 69.9                     | 84.4 | 85.9 | 86.0 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4  | 86.4 | 86.4  | 86.4  | 86.4  |
| ≥ 2500          | 71.2                     | 86.9 | 88.7 | 88.8 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3  | 89.3 | 89.3  | 89.3  | 89.3  |
| ≥ 2000          | 71.5                     | 88.5 | 91.1 | 91.5 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3  | 92.3 | 92.3  | 92.3  | 92.3  |
| ≥ 1800          | 71.7                     | 88.8 | 91.4 | 91.8 | 92.5 | 92.5 | 92.7 | 92.7 | 92.7 | 92.9 | 92.9 | 92.9  | 92.9 | 92.9  | 92.9  | 92.9  |
| ≥ 1500          | 72.1                     | 90.2 | 93.0 | 93.5 | 94.2 | 94.2 | 94.5 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7  | 94.7 | 94.7  | 94.7  | 94.7  |
| ≥ 1200          | 72.3                     | 91.1 | 93.9 | 94.5 | 95.5 | 95.6 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2  | 96.2 | 96.2  | 96.2  | 96.2  |
| ≥ 1000          | 72.5                     | 92.1 | 95.3 | 96.2 | 97.7 | 97.8 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4  | 98.4 | 98.4  | 98.4  | 98.4  |
| ≥ 900           | 72.5                     | 92.2 | 95.5 | 96.4 | 97.8 | 97.9 | 98.3 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6  | 98.6 | 98.6  | 98.6  | 98.6  |
| ≥ 800           | 72.5                     | 92.2 | 95.5 | 96.4 | 97.9 | 98.0 | 98.3 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7  | 98.7 | 98.7  | 98.7  | 98.8  |
| ≥ 700           | 72.5                     | 92.2 | 95.5 | 96.4 | 97.9 | 98.0 | 98.3 | 98.6 | 98.6 | 99.0 | 99.0 | 99.0  | 99.0 | 99.0  | 99.0  | 99.1  |
| ≥ 600           | 72.5                     | 92.2 | 95.5 | 96.4 | 97.9 | 98.0 | 98.5 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2  | 99.2 | 99.3  | 99.3  | 99.3  |
| ≥ 500           | 72.5                     | 92.2 | 95.6 | 96.5 | 98.0 | 98.1 | 98.6 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.5  |
| ≥ 400           | 72.5                     | 92.2 | 95.6 | 96.5 | 98.0 | 98.1 | 98.6 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.5  |
| ≥ 300           | 72.5                     | 92.2 | 95.6 | 96.5 | 98.0 | 98.1 | 98.6 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.5  |
| ≥ 200           | 72.5                     | 92.2 | 95.6 | 96.5 | 98.0 | 98.1 | 98.6 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3  | 99.4 | 99.5  | 99.5  | 99.6  |
| ≥ 100           | 72.5                     | 92.2 | 95.6 | 96.5 | 98.0 | 98.1 | 98.6 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3  | 99.4 | 99.5  | 99.5  | 99.9  |
| ≥ 0             | 72.5                     | 92.2 | 95.6 | 96.5 | 98.0 | 98.1 | 98.6 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3  | 99.4 | 99.5  | 99.6  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
 FIAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MC5ULP-0 KOREA/CHEJL-00 ROK K-39

54-66

ALC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0  |
| NO CEILING      | 37.9                     | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4  | 40.4 | 40.4  | 40.4 | 40.4 |
| ≥ 20000         | 51.1                     | 54.8 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  | 55.0 | 55.0  | 55.0 | 55.0 |
| ≥ 18000         | 51.2                     | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1  | 55.1 | 55.1  | 55.1 | 55.1 |
| ≥ 16000         | 51.4                     | 55.1 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3  | 55.3 | 55.3  | 55.3 | 55.3 |
| ≥ 14000         | 52.0                     | 56.6 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8  | 56.8 | 56.8  | 56.8 | 56.8 |
| ≥ 12000         | 57.0                     | 61.8 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0  | 62.0 | 62.0  | 62.0 | 62.0 |
| ≥ 10000         | 59.5                     | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2  | 65.2 | 65.2  | 65.2 | 65.2 |
| ≥ 9000          | 59.5                     | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2  | 65.2 | 65.2  | 65.2 | 65.2 |
| ≥ 8000          | 61.5                     | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9  | 67.9 | 67.9  | 67.9 | 67.9 |
| ≥ 7000          | 62.0                     | 68.3 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7  | 68.7 | 68.7  | 68.7 | 68.7 |
| ≥ 6000          | 62.4                     | 69.0 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5  | 69.5 | 69.5  | 69.5 | 69.5 |
| ≥ 5000          | 63.1                     | 69.9 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5  | 70.5 | 70.5  | 70.5 | 70.5 |
| ≥ 4500          | 65.3                     | 72.4 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2  | 73.2 | 73.2  | 73.2 | 73.2 |
| ≥ 4000          | 69.2                     | 76.9 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2  | 78.2 | 78.2  | 78.2 | 78.2 |
| ≥ 3500          | 70.8                     | 79.2 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7  | 80.7 | 80.7  | 80.7 | 80.7 |
| ≥ 3000          | 73.6                     | 84.2 | 85.5 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0  | 86.0 | 86.0  | 86.0 | 86.0 |
| ≥ 2500          | 75.3                     | 88.1 | 89.4 | 89.7 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0  | 90.0 | 90.0  | 90.0 | 90.0 |
| ≥ 2000          | 75.5                     | 89.5 | 91.3 | 91.9 | 92.1 | 92.1 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4  | 92.4 | 92.4  | 92.4 | 92.4 |
| ≥ 1800          | 75.7                     | 89.8 | 91.8 | 92.4 | 92.6 | 92.6 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9  | 92.9 | 92.9  | 92.9 | 92.9 |
| ≥ 1500          | 76.0                     | 90.7 | 92.9 | 93.6 | 93.9 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2  | 94.2 | 94.2  | 94.2 | 94.2 |
| ≥ 1200          | 76.5                     | 93.0 | 95.3 | 96.0 | 96.5 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9  | 96.9 | 96.9  | 96.9 | 96.9 |
| ≥ 1000          | 77.0                     | 94.0 | 96.4 | 97.3 | 98.0 | 98.0 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6  | 98.6 | 98.6  | 98.6 | 98.6 |
| ≥ 900           | 77.0                     | 94.3 | 96.8 | 97.6 | 98.4 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0 | 99.0  | 99.0 | 99.0 |
| ≥ 800           | 77.1                     | 94.5 | 97.1 | 97.9 | 98.8 | 98.8 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5 |
| ≥ 700           | 77.1                     | 94.5 | 97.1 | 97.9 | 98.8 | 98.8 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6 |
| ≥ 600           | 77.1                     | 94.5 | 97.1 | 97.9 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| ≥ 500           | 77.1                     | 94.5 | 97.1 | 97.9 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| ≥ 400           | 77.1                     | 94.5 | 97.1 | 97.9 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| ≥ 300           | 77.1                     | 94.5 | 97.1 | 97.9 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| ≥ 200           | 77.1                     | 94.5 | 97.1 | 97.9 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| ≥ 100           | 77.1                     | 94.5 | 97.1 | 97.9 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| ≥ 0             | 77.1                     | 94.5 | 97.1 | 97.9 | 98.8 | 98.8 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 1208



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MOSULP-O KOREA/CHEJU-DO RCK K-39

54-66

ALC

STATION

STATION NAME

YEARS

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0  |
| NO CEILING      | 35.9                     | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8  | 38.8 | 38.8  | 38.8 | 38.8 |
| IV 20000        | 49.1                     | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6  | 54.6 | 54.6  | 54.6 | 54.6 |
| IV 18000        | 49.4                     | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8  | 54.8 | 54.8  | 54.8 | 54.8 |
| IV 16000        | 49.8                     | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3  | 55.3 | 55.3  | 55.3 | 55.3 |
| IV 14000        | 51.1                     | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  | 56.7 | 56.7  | 56.7 | 56.7 |
| IV 12000        | 54.5                     | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6  | 60.6 | 60.6  | 60.6 | 60.6 |
| IV 10000        | 57.3                     | 63.8 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0  | 64.0 | 64.0  | 64.0 | 64.0 |
| IV 9000         | 57.3                     | 63.8 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0  | 64.0 | 64.0  | 64.0 | 64.0 |
| IV 8000         | 58.9                     | 65.9 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3  | 66.3 | 66.3  | 66.3 | 66.3 |
| IV 7000         | 59.6                     | 66.9 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3 | 67.3  | 67.3 | 67.3 |
| IV 6000         | 60.2                     | 68.0 | 68.3 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5 | 68.5  | 68.5 | 68.5 |
| IV 5000         | 60.6                     | 68.8 | 69.1 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3  | 69.3 | 69.3  | 69.3 | 69.3 |
| IV 4500         | 61.8                     | 70.8 | 71.2 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4  | 71.4 | 71.4  | 71.4 | 71.4 |
| IV 4000         | 66.3                     | 76.0 | 76.6 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8  | 76.8 | 76.8  | 76.8 | 76.8 |
| IV 3500         | 67.7                     | 78.2 | 78.8 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2  | 79.2 | 79.2  | 79.2 | 79.2 |
| IV 3000         | 71.2                     | 83.7 | 84.4 | 84.9 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1  | 85.1 | 85.1  | 85.1 | 85.1 |
| IV 2500         | 73.3                     | 88.0 | 88.9 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7  | 89.7 | 89.7  | 89.7 | 89.7 |
| IV 2000         | 73.7                     | 90.2 | 91.4 | 92.4 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9  | 92.9 | 92.9  | 92.9 | 92.9 |
| IV 1800         | 73.7                     | 90.2 | 91.5 | 92.5 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0  | 93.0 | 93.0  | 93.0 | 93.0 |
| IV 1500         | 74.3                     | 91.2 | 92.7 | 93.9 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5  | 94.5 | 94.5  | 94.5 | 94.5 |
| IV 1200         | 74.9                     | 93.1 | 94.6 | 95.8 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4  | 96.4 | 96.4  | 96.4 | 96.4 |
| IV 1000         | 75.6                     | 94.3 | 95.8 | 96.9 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7 |
| IV 900          | 75.6                     | 94.5 | 96.0 | 97.2 | 97.5 | 97.6 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9  | 97.9 | 97.9  | 97.9 | 97.9 |
| IV 800          | 75.6                     | 94.8 | 96.3 | 97.5 | 97.9 | 98.0 | 98.5 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9  | 98.9 | 98.9  | 98.9 | 98.9 |
| IV 700          | 75.6                     | 94.8 | 96.4 | 97.7 | 98.2 | 98.3 | 98.8 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3 | 99.3 |
| IV 600          | 75.6                     | 94.8 | 96.7 | 98.0 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7 |
| IV 500          | 75.6                     | 94.8 | 96.7 | 98.0 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7 |
| IV 400          | 75.6                     | 94.8 | 96.7 | 98.0 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 300          | 75.6                     | 94.8 | 96.7 | 98.0 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 200          | 75.6                     | 94.8 | 96.7 | 98.0 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 100          | 75.6                     | 94.8 | 96.7 | 98.0 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 0            | 75.6                     | 94.8 | 96.7 | 98.0 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MDSULP-C KOREA/CHEJU-DC ROK K-39

54-66

Aug  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

| CEILING<br>FEET:      | VISIBILITY STATUTE MILES |              |              |              |              |              |              |              |              |              |              |              |              |              |              |                |
|-----------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                       | ≥ 10                     | ≥ 6          | ≥ 5          | ≥ 4          | ≥ 3          | ≥ 2          | ≥ 2          | ≥ 1½         | ≥ 1¼         | ≥ 1          | ≥ ¾          | ≥ 5/8        | ≥ ½          | ≥ 5/16       | ≥ ¼          | ≥ 1/8          |
| NO CEILING<br>≥ 20000 | 35.4<br>46.6             | 44.7<br>60.8 | 44.8<br>60.9 | 44.6<br>60.9 | 44.8<br>60.9 | 44.6<br>60.9 | 44.8<br>60.9 | 44.8<br>60.9 | 44.8<br>60.9 | 44.8<br>60.9 | 44.8<br>60.9 | 44.8<br>60.9 | 44.8<br>60.9 | 44.8<br>60.9 | 44.8<br>60.9 | 44.8<br>60.9   |
| IV 18000<br>16000     | 47.1<br>47.4             | 61.3<br>61.8 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9 | 61.5<br>61.9   |
| IV 14000<br>12000     | 48.0<br>50.5             | 62.4<br>66.1 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2 | 62.6<br>66.2   |
| IV 10000<br>9000      | 52.4<br>52.4             | 68.6<br>68.6 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8 | 68.8<br>68.8   |
| IV 8000<br>7000       | 53.3<br>53.5             | 70.3<br>70.9 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1 | 70.4<br>71.1   |
| IV 6000<br>5000       | 53.5<br>54.2             | 71.1<br>72.1 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6 | 71.4<br>72.6   |
| IV 4500<br>4000       | 54.6<br>56.5             | 72.5<br>75.4 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0 | 73.0<br>76.0   |
| IV 3500<br>3000       | 57.6<br>60.7             | 78.2<br>83.5 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4 | 78.9<br>84.4   |
| IV 2500<br>2000       | 62.0<br>62.6             | 88.2<br>91.1 | 89.3<br>92.3 | 89.5<br>92.9 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1 | 89.5<br>93.1   |
| IV 1800<br>1500       | 62.6<br>62.6             | 91.1<br>91.2 | 92.3<br>92.8 | 93.0<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8 | 93.2<br>93.8   |
| IV 1200<br>1000       | 63.2<br>63.7             | 92.7<br>93.8 | 94.5<br>95.7 | 95.3<br>96.5 | 95.5<br>97.0 | 95.5<br>97.0 | 95.5<br>97.0 | 95.5<br>97.0 | 95.5<br>97.0 | 95.6<br>97.1 | 95.6<br>97.1 | 95.6<br>97.1 | 95.6<br>97.1 | 95.6<br>97.1 | 95.6<br>97.1 | 95.6<br>97.1   |
| IV 900<br>800         | 63.7<br>63.7             | 93.9<br>94.0 | 95.8<br>96.2 | 96.8<br>97.2 | 97.3<br>98.1 | 97.4<br>98.2 | 97.4<br>98.3 | 97.4<br>98.3 | 97.4<br>98.3 | 97.5<br>98.5 | 97.5<br>98.5 | 97.5<br>98.5 | 97.5<br>98.6 | 97.5<br>98.6 | 97.5<br>98.6 | 97.5<br>98.6   |
| IV 700<br>600         | 63.7<br>63.7             | 94.0<br>94.0 | 96.2<br>96.4 | 97.2<br>97.5 | 98.1<br>98.4 | 98.2<br>98.5 | 98.3<br>98.6 | 98.3<br>98.6 | 98.3<br>98.9 | 98.6<br>98.9 | 98.6<br>98.9 | 98.6<br>98.9 | 98.7<br>99.0 | 98.7<br>99.0 | 98.7<br>99.0 | 98.7<br>99.0   |
| IV 500<br>400         | 63.7<br>63.7             | 94.0<br>94.0 | 96.4<br>96.4 | 97.5<br>97.5 | 98.4<br>98.4 | 98.5<br>98.7 | 98.7<br>98.7 | 98.7<br>98.7 | 98.7<br>99.0 | 99.0<br>99.0 | 99.0<br>99.0 | 99.0<br>99.0 | 99.1<br>99.1 | 99.2<br>99.2 | 99.3<br>99.3 | 99.3<br>99.3   |
| IV 300<br>200         | 63.7<br>63.7             | 94.0<br>94.0 | 96.4<br>96.4 | 97.5<br>97.5 | 98.4<br>98.4 | 98.5<br>98.7 | 98.7<br>98.7 | 98.7<br>98.7 | 98.7<br>99.0 | 99.2<br>99.2 | 99.3<br>99.3 | 99.4<br>99.4 | 99.4<br>99.4 | 99.5<br>99.5 | 99.6<br>99.6 | 99.8<br>99.8   |
| IV 100<br>0           | 63.7<br>63.7             | 94.0<br>94.0 | 96.4<br>96.4 | 97.5<br>97.5 | 98.4<br>98.4 | 98.5<br>98.7 | 98.7<br>98.7 | 98.7<br>98.7 | 98.7<br>99.0 | 99.2<br>99.2 | 99.3<br>99.3 | 99.4<br>99.4 | 99.4<br>99.4 | 99.5<br>99.5 | 99.6<br>99.6 | 100.0<br>100.0 |

TOTAL NUMBER OF OBSERVATIONS 1208

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MUSLLP-C KOREA/CHEJU-DO ROK K-37

54-66

AC

STATION

STATION NAME

YEARS

DATA

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2104-32

| CEILING<br>FEET | VISIBILITY - STATUTE MILES: |      |      |      |      |      |      |      |      |      |      |       |      |       |      |       |
|-----------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|
|                 | ≥ 10                        | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | 0     |
| NO CEILING      | 34.4                        | 58.0 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6  | 58.6 | 58.6  | 58.6 | 58.6  |
| ≥ 20000         | 38.4                        | 65.8 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4  | 66.4 | 66.4  | 66.4 | 66.4  |
| IV 18000        | 38.5                        | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7  | 66.7 | 66.7  | 66.7 | 66.7  |
| IV 16000        | 38.8                        | 66.6 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  | 67.2 | 67.2  | 67.2 | 67.2  |
| IV 14000        | 39.2                        | 67.4 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1  | 68.1 | 68.1  | 68.1 | 68.1  |
| IV 12000        | 40.0                        | 68.8 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6  | 69.6 | 69.6  | 69.6 | 69.6  |
| IV 10000        | 41.9                        | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8  | 71.8 | 71.8  | 71.8 | 71.8  |
| IV 9000         | 41.9                        | 71.1 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0  | 72.0 | 72.0  | 72.0 | 72.0  |
| IV 8000         | 42.3                        | 72.4 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2  | 73.2 | 73.2  | 73.2 | 73.2  |
| IV 7000         | 42.4                        | 72.8 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  | 73.6 | 73.6  | 73.6 | 73.6  |
| IV 6000         | 42.7                        | 73.3 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1  | 74.1 | 74.1  | 74.1 | 74.1  |
| IV 5000         | 43.0                        | 73.7 | 74.6 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9  | 74.9 | 74.9  | 74.9 | 74.9  |
| IV 4500         | 43.4                        | 74.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5  | 75.5 | 75.5  | 75.5 | 75.5  |
| IV 4000         | 44.5                        | 76.1 | 77.3 | 77.3 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5  | 77.5 | 77.5  | 77.5 | 77.5  |
| IV 3500         | 45.2                        | 78.7 | 79.8 | 79.9 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1  | 80.1 | 80.1  | 80.1 | 80.1  |
| IV 3000         | 47.1                        | 83.0 | 84.2 | 84.3 | 84.4 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6  | 84.6 | 84.6  | 84.6 | 84.6  |
| IV 2500         | 46.0                        | 87.7 | 89.0 | 89.2 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6  | 89.6 | 89.6  | 89.6 | 89.6  |
| IV 2000         | 48.1                        | 89.5 | 91.1 | 91.4 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9  | 91.9 | 91.9  | 91.9 | 91.9  |
| IV 1800         | 48.1                        | 89.8 | 91.5 | 91.9 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4  | 92.4 | 92.4  | 92.4 | 92.4  |
| IV 1500         | 48.1                        | 90.4 | 92.9 | 93.5 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2  | 94.2 | 94.2  | 94.2 | 94.2  |
| IV 1200         | 48.1                        | 91.3 | 94.0 | 95.0 | 95.5 | 95.5 | 95.6 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9  | 95.9 | 95.9  | 95.9 | 95.9  |
| IV 1000         | 48.3                        | 92.0 | 94.9 | 95.9 | 96.5 | 96.5 | 96.9 | 97.0 | 97.0 | 97.4 | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  |
| IV 900          | 48.3                        | 92.0 | 94.9 | 96.0 | 96.6 | 96.6 | 97.0 | 97.2 | 97.2 | 97.6 | 97.6 | 97.6  | 97.6 | 97.6  | 97.6 | 97.6  |
| IV 800          | 48.3                        | 92.2 | 95.1 | 96.4 | 97.1 | 97.1 | 97.5 | 97.7 | 97.7 | 98.1 | 98.1 | 98.1  | 98.1 | 98.1  | 98.1 | 98.1  |
| IV 700          | 48.3                        | 92.5 | 95.4 | 96.6 | 97.4 | 97.4 | 98.0 | 98.2 | 98.2 | 98.6 | 98.6 | 98.6  | 98.6 | 98.6  | 98.7 | 98.7  |
| IV 600          | 48.3                        | 92.5 | 95.4 | 96.6 | 97.5 | 97.5 | 98.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8  | 98.8 | 98.8  | 98.8 | 98.9  |
| IV 500          | 48.3                        | 92.5 | 95.4 | 96.6 | 97.5 | 97.5 | 98.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8  | 98.8 | 99.0  | 99.0 | 99.1  |
| IV 400          | 48.3                        | 92.5 | 95.4 | 96.6 | 97.5 | 97.5 | 98.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8  | 98.8 | 99.1  | 99.1 | 99.2  |
| IV 300          | 48.3                        | 92.5 | 95.4 | 96.6 | 97.5 | 97.5 | 98.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8  | 98.8 | 99.3  | 99.3 | 99.4  |
| IV 200          | 48.3                        | 92.5 | 95.4 | 96.6 | 97.5 | 97.5 | 98.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8  | 98.8 | 99.3  | 99.3 | 99.7  |
| IV 100          | 48.3                        | 92.5 | 95.4 | 96.6 | 97.5 | 97.5 | 98.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8  | 98.8 | 99.3  | 99.3 | 100.0 |
| IV 0            | 48.3                        | 92.5 | 95.4 | 96.6 | 97.5 | 97.5 | 98.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8  | 98.8 | 99.3  | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 26801

# CEILING VERSUS VISIBILITY

43263

MCSULP-C KOREA/CHEJU-DO ROK K-39

54-66

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CCCC-2200

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .9 | ≥ .8 | ≥ .7 | ≥ .6 | ≥ .5 | ≥ .4 |
| NO CEILING      | 23.2                     | 49.4 | 49.4 | 49.4 | 49.4 | 49.4  | 49.4 | 49.4  | 49.4  | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| ≥ 20000         | 24.1                     | 54.6 | 54.6 | 54.6 | 54.6 | 54.6  | 54.6 | 54.6  | 54.6  | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| IV 18000        | 24.1                     | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  | 55.0 | 55.0  | 55.0  | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 16000        | 24.4                     | 55.5 | 55.5 | 55.5 | 55.5 | 55.5  | 55.5 | 55.5  | 55.5  | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| IV 14000        | 24.8                     | 56.8 | 56.8 | 56.8 | 56.8 | 56.8  | 56.8 | 56.8  | 56.8  | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| IV 12000        | 26.6                     | 61.7 | 61.8 | 62.0 | 62.0 | 62.0  | 62.0 | 62.0  | 62.0  | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| IV 10000        | 28.5                     | 65.7 | 66.0 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| IV 9000         | 28.6                     | 65.8 | 66.1 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| IV 8000         | 29.6                     | 67.8 | 68.0 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2  | 68.2  | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| IV 7000         | 29.6                     | 67.9 | 68.2 | 68.4 | 68.4 | 68.4  | 68.4 | 68.4  | 68.4  | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| IV 6000         | 30.3                     | 70.2 | 70.4 | 70.6 | 70.6 | 70.6  | 70.6 | 70.6  | 70.6  | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| IV 5000         | 31.4                     | 72.0 | 72.3 | 72.5 | 72.6 | 72.6  | 72.6 | 72.6  | 72.6  | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| IV 4500         | 31.6                     | 73.8 | 74.2 | 74.4 | 74.4 | 74.4  | 74.4 | 74.4  | 74.4  | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| IV 4000         | 33.8                     | 79.2 | 79.7 | 79.8 | 79.9 | 79.9  | 79.9 | 79.9  | 79.9  | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 3500         | 34.7                     | 82.1 | 82.6 | 82.7 | 82.9 | 82.9  | 82.9 | 82.9  | 82.9  | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| IV 3000         | 37.4                     | 87.5 | 88.2 | 88.5 | 88.6 | 88.6  | 88.7 | 88.7  | 88.7  | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| IV 2500         | 38.3                     | 92.3 | 93.6 | 94.0 | 94.4 | 94.4  | 94.5 | 94.5  | 94.5  | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| IV 2000         | 38.4                     | 93.5 | 94.9 | 95.6 | 96.0 | 96.0  | 96.1 | 96.1  | 96.1  | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 1800         | 38.4                     | 93.5 | 94.9 | 95.6 | 96.0 | 96.0  | 96.2 | 96.2  | 96.2  | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| IV 1500         | 38.4                     | 94.1 | 95.8 | 96.6 | 97.4 | 97.4  | 97.9 | 97.9  | 97.9  | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 1200         | 38.4                     | 94.4 | 96.1 | 97.1 | 98.0 | 98.0  | 98.5 | 98.5  | 98.5  | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 1000         | 38.4                     | 94.4 | 96.3 | 97.5 | 98.5 | 98.5  | 99.0 | 99.0  | 99.0  | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 900          | 38.4                     | 94.4 | 96.3 | 97.5 | 98.5 | 98.5  | 99.0 | 99.0  | 99.0  | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 800          | 38.4                     | 94.4 | 96.3 | 97.7 | 98.6 | 98.6  | 99.1 | 99.1  | 99.1  | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700          | 38.4                     | 94.4 | 96.3 | 97.7 | 98.6 | 98.6  | 99.1 | 99.1  | 99.1  | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600          | 38.4                     | 94.4 | 96.3 | 97.7 | 98.6 | 98.6  | 99.1 | 99.1  | 99.1  | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500          | 38.4                     | 94.4 | 96.3 | 97.7 | 98.6 | 98.6  | 99.1 | 99.1  | 99.1  | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400          | 38.4                     | 94.4 | 96.3 | 97.7 | 98.6 | 98.6  | 99.1 | 99.1  | 99.1  | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300          | 38.4                     | 94.4 | 96.3 | 97.7 | 98.6 | 98.6  | 99.1 | 99.1  | 99.1  | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200          | 38.4                     | 94.4 | 96.3 | 97.7 | 98.6 | 98.6  | 99.1 | 99.1  | 99.1  | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100          | 38.4                     | 94.4 | 96.3 | 97.7 | 98.6 | 98.6  | 99.1 | 99.1  | 99.1  | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0            | 38.4                     | 94.4 | 96.3 | 97.7 | 98.6 | 98.6  | 99.1 | 99.1  | 99.1  | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MCSLLP-C KORFA/CHEJU-DC ROK K-34  
STATION NAME

54-66  
YEARS

SFP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0500  
PERIOD

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |        |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING      | 22.6                     | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7  | 47.7 | 47.7   | 47.7 | 47.7 |
| ≥ 20000         | 23.6                     | 53.5 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7 | 53.7   | 53.7 | 53.7 |
| ≥ 18000         | 23.8                     | 53.8 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0  | 54.0 | 54.0   | 54.0 | 54.0 |
| IV 16000        | 24.1                     | 54.7 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9  | 54.9 | 54.9   | 54.9 | 54.9 |
| IV 14000        | 24.2                     | 55.2 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4  | 55.4 | 55.4   | 55.4 | 55.4 |
| IV 12000        | 25.3                     | 57.9 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2  | 58.2 | 58.2   | 58.2 | 58.2 |
| IV 10000        | 27.3                     | 62.2 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6  | 62.6 | 62.6   | 62.6 | 62.6 |
| IV 9000         | 27.3                     | 62.2 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6  | 62.6 | 62.6   | 62.6 | 62.6 |
| IV 8000         | 28.5                     | 65.1 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  | 65.5 | 65.5   | 65.5 | 65.5 |
| IV 7000         | 28.5                     | 65.1 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  | 65.5 | 65.5   | 65.5 | 65.5 |
| IV 6000         | 29.6                     | 67.3 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6   | 67.6 | 67.6 |
| IV 5000         | 30.8                     | 69.2 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7  | 69.7 | 69.7   | 69.7 | 69.7 |
| IV 4500         | 31.4                     | 70.9 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6  | 71.6 | 71.6   | 71.6 | 71.6 |
| IV 4000         | 34.0                     | 76.8 | 77.4 | 77.4 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6  | 77.6 | 77.6   | 77.6 | 77.6 |
| IV 3500         | 35.4                     | 80.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5  | 81.5 | 81.5   | 81.5 | 81.5 |
| IV 3000         | 37.2                     | 85.2 | 86.4 | 86.9 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1  | 87.1 | 87.1   | 87.1 | 87.1 |
| IV 2500         | 38.7                     | 90.3 | 92.1 | 93.2 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8  | 93.8 | 93.8   | 93.8 | 93.8 |
| IV 2000         | 38.8                     | 91.5 | 93.9 | 95.5 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2  | 96.2 | 96.2   | 96.2 | 96.2 |
| IV 1800         | 38.8                     | 91.7 | 94.2 | 95.7 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8  | 96.8 | 96.8   | 96.8 | 96.8 |
| IV 1500         | 38.8                     | 92.2 | 95.0 | 96.7 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5  | 98.5 | 98.5   | 98.5 | 98.5 |
| IV 1200         | 38.8                     | 92.4 | 95.1 | 97.2 | 98.4 | 98.4 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0  | 99.0 | 99.0   | 99.0 | 99.0 |
| IV 1000         | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 900          | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 800          | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 700          | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 600          | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 500          | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 400          | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 300          | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 200          | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 100          | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |
| IV 0            | 38.8                     | 92.6 | 95.3 | 97.4 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4   | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

43263

MOSULPO-K KOREA/CHEJU-DO ROK K-39

54-66

SFP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS, L.S.T.

| CEILING<br>FEET | VISIBILITY STATUTE MILES: |      |      |      |      |      |      |      |      |      |      |       |      |        |      |      |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|------|------|
|                 | ≥ 10                      | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≤ 0  |
| NO CEILING      | 12.1                      | 38.5 | 38.5 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6  | 38.6 | 38.6   | 38.6 | 38.6 |
| ≥ 20000         | 17.8                      | 47.3 | 47.3 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4  | 47.4 | 47.4   | 47.4 | 47.4 |
| ≥ 18000         | 38.1                      | 47.6 | 47.6 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7  | 47.7 | 47.7   | 47.7 | 47.7 |
| ≥ 16000         | 38.6                      | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4  | 48.4 | 48.4   | 48.4 | 48.4 |
| ≥ 14000         | 48.2                      | 50.3 | 50.3 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4  | 50.4 | 50.4   | 50.4 | 50.4 |
| ≥ 12000         | 44.0                      | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4  | 57.4 | 57.4   | 57.4 | 57.4 |
| ≥ 10000         | 49.1                      | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8  | 63.8 | 63.8   | 63.8 | 63.8 |
| ≥ 9000          | 49.1                      | 63.8 | 63.9 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1  | 64.1 | 64.1   | 64.1 | 64.1 |
| ≥ 8000          | 53.8                      | 70.3 | 70.8 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1   | 71.1 | 71.1 |
| ≥ 7000          | 54.1                      | 70.6 | 71.0 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4  | 71.4 | 71.4   | 71.4 | 71.4 |
| ≥ 6000          | 55.5                      | 72.2 | 72.6 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0  | 73.0 | 73.0   | 73.0 | 73.0 |
| ≥ 5000          | 56.9                      | 74.5 | 75.2 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6  | 75.6 | 75.6   | 75.6 | 75.6 |
| ≥ 4500          | 57.9                      | 76.3 | 77.1 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5  | 77.5 | 77.5   | 77.5 | 77.5 |
| ≥ 4000          | 60.7                      | 81.0 | 82.0 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4  | 82.4 | 82.4   | 82.4 | 82.4 |
| ≥ 3500          | 62.3                      | 83.6 | 84.6 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1  | 85.1 | 85.1   | 85.1 | 85.1 |
| ≥ 3000          | 63.8                      | 87.0 | 88.5 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4  | 89.4 | 89.4   | 89.4 | 89.4 |
| ≥ 2500          | 64.8                      | 89.6 | 91.4 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7  | 92.7 | 92.7   | 92.7 | 92.7 |
| ≥ 2000          | 65.0                      | 91.4 | 93.5 | 94.7 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6  | 95.6 | 95.6   | 95.6 | 95.6 |
| ≥ 1800          | 65.2                      | 91.6 | 93.8 | 95.0 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0  | 96.0 | 96.0   | 96.0 | 96.0 |
| ≥ 1500          | 65.2                      | 92.6 | 94.7 | 96.1 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 | 97.4  | 97.4 | 97.4   | 97.4 | 97.4 |
| ≥ 1200          | 65.2                      | 93.1 | 95.3 | 96.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.5  | 98.5 | 98.5   | 98.5 | 98.5 |
| ≥ 1000          | 65.3                      | 93.5 | 95.7 | 97.5 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.7  | 99.7 | 99.7   | 99.7 | 99.7 |
| ≥ 900           | 65.3                      | 93.5 | 95.7 | 97.5 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.6 | 99.7  | 99.7 | 99.7   | 99.7 | 99.7 |
| ≥ 800           | 65.3                      | 93.5 | 95.7 | 97.5 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.7 | 99.7  | 99.7 | 99.7   | 99.7 | 99.7 |
| ≥ 700           | 65.3                      | 93.6 | 95.8 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 | 99.8  | 99.8 | 99.8   | 99.8 | 99.8 |
| ≥ 600           | 65.3                      | 93.6 | 95.8 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 | 99.8  | 99.8 | 99.8   | 99.8 | 99.8 |
| ≥ 500           | 65.3                      | 93.6 | 95.8 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 | 99.8  | 99.8 | 99.8   | 99.8 | 99.8 |
| ≥ 400           | 65.3                      | 93.6 | 95.8 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 | 99.8  | 99.8 | 99.8   | 99.8 | 99.8 |
| ≥ 300           | 65.3                      | 93.6 | 95.8 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 | 99.8  | 99.8 | 99.8   | 99.8 | 99.8 |
| ≥ 200           | 65.3                      | 93.6 | 95.8 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 | 99.8  | 99.8 | 99.8   | 99.8 | 99.8 |
| ≥ 100           | 65.3                      | 93.6 | 95.8 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 | 99.8  | 99.8 | 99.8   | 99.8 | 99.8 |
| 0               | 65.3                      | 93.6 | 95.8 | 97.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 | 99.8  | 99.8 | 99.8   | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSLLP-C KOREA/CHEJU-DC RCK K-39 24-66

SETH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |      |       |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|-------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 1  | ≥ 1/2 | ≥ 5/8 | ≥ 1/2 | ≥ 3/16 | ≥ 1/4 | ≥ 0   |
| NO CEILING      | 36.3                     | 38.1 | 38.1 | 38.1 | 38.1 | 38.1  | 38.1 | 38.1  | 38.1 | 38.1 | 38.1  | 38.1  | 38.1  | 38.1   | 38.1  | 38.1  |
| ≥ 20000         | 47.6                     | 49.9 | 49.9 | 49.9 | 49.9 | 49.9  | 49.9 | 49.9  | 49.9 | 49.9 | 49.9  | 49.9  | 49.9  | 49.9   | 49.9  | 49.9  |
| ≥ 18000         | 47.5                     | 50.5 | 50.5 | 50.5 | 50.5 | 50.5  | 50.5 | 50.5  | 50.5 | 50.5 | 50.5  | 50.5  | 50.5  | 50.5   | 50.5  | 50.5  |
| ≥ 16000         | 47.8                     | 50.8 | 50.8 | 50.8 | 50.8 | 50.8  | 50.8 | 50.8  | 50.8 | 50.8 | 50.8  | 50.8  | 50.8  | 50.8   | 50.8  | 50.8  |
| ≥ 14000         | 50.1                     | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  | 53.2 | 53.2  | 53.2 | 53.2 | 53.2  | 53.2  | 53.2  | 53.2   | 53.2  | 53.2  |
| ≥ 12000         | 55.7                     | 60.3 | 60.3 | 60.3 | 60.3 | 60.3  | 60.3 | 60.3  | 60.3 | 60.3 | 60.3  | 60.3  | 60.3  | 60.3   | 60.3  | 60.3  |
| ≥ 10000         | 60.6                     | 66.9 | 67.2 | 67.3 | 67.3 | 67.3  | 67.3 | 67.3  | 67.3 | 67.3 | 67.3  | 67.3  | 67.3  | 67.3   | 67.3  | 67.3  |
| ≥ 9000          | 60.7                     | 67.0 | 67.3 | 67.4 | 67.4 | 67.4  | 67.4 | 67.4  | 67.4 | 67.4 | 67.4  | 67.4  | 67.4  | 67.4   | 67.4  | 67.4  |
| ≥ 8000          | 64.7                     | 71.8 | 72.1 | 72.1 | 72.1 | 72.1  | 72.1 | 72.1  | 72.1 | 72.1 | 72.1  | 72.1  | 72.1  | 72.1   | 72.1  | 72.1  |
| ≥ 7000          | 65.1                     | 72.4 | 72.6 | 72.7 | 72.7 | 72.7  | 72.7 | 72.7  | 72.7 | 72.7 | 72.7  | 72.7  | 72.7  | 72.7   | 72.7  | 72.7  |
| ≥ 6000          | 65.7                     | 73.2 | 73.4 | 73.5 | 73.5 | 73.5  | 73.5 | 73.5  | 73.5 | 73.5 | 73.5  | 73.5  | 73.5  | 73.5   | 73.5  | 73.5  |
| ≥ 5000          | 66.8                     | 75.0 | 75.3 | 75.5 | 75.5 | 75.5  | 75.5 | 75.5  | 75.5 | 75.5 | 75.5  | 75.5  | 75.5  | 75.5   | 75.5  | 75.5  |
| ≥ 4500          | 68.6                     | 77.9 | 78.3 | 78.5 | 78.5 | 78.5  | 78.5 | 78.5  | 78.5 | 78.5 | 78.5  | 78.5  | 78.5  | 78.5   | 78.5  | 78.5  |
| ≥ 4000          | 73.0                     | 83.9 | 84.5 | 84.9 | 85.3 | 85.3  | 85.3 | 85.3  | 85.3 | 85.3 | 85.3  | 85.3  | 85.3  | 85.3   | 85.3  | 85.3  |
| ≥ 3500          | 73.7                     | 86.7 | 87.4 | 87.8 | 88.3 | 88.4  | 88.4 | 88.4  | 88.4 | 88.4 | 88.4  | 88.4  | 88.4  | 88.4   | 88.4  | 88.4  |
| ≥ 3000          | 75.4                     | 90.1 | 91.5 | 92.1 | 92.6 | 92.6  | 92.6 | 92.6  | 92.6 | 92.6 | 92.6  | 92.6  | 92.6  | 92.6   | 92.6  | 92.6  |
| ≥ 2500          | 76.3                     | 91.9 | 93.7 | 94.3 | 95.0 | 95.1  | 95.2 | 95.7  | 95.2 | 95.2 | 95.2  | 95.2  | 95.2  | 95.2   | 95.3  | 95.3  |
| ≥ 2000          | 76.7                     | 92.9 | 94.8 | 95.6 | 96.6 | 96.7  | 96.8 | 96.8  | 96.8 | 96.8 | 96.8  | 97.0  | 97.0  | 97.0   | 97.1  | 97.1  |
| ≥ 1800          | 76.8                     | 93.0 | 94.9 | 95.6 | 96.7 | 96.8  | 96.9 | 96.9  | 96.9 | 96.9 | 96.9  | 97.1  | 97.1  | 97.1   | 97.1  | 97.2  |
| ≥ 1500          | 76.8                     | 94.0 | 96.1 | 97.0 | 98.1 | 98.2  | 98.6 | 98.6  | 98.6 | 98.6 | 98.6  | 98.8  | 98.8  | 98.8   | 98.8  | 98.9  |
| ≥ 1200          | 76.8                     | 94.2 | 96.2 | 97.2 | 98.5 | 98.5  | 99.0 | 99.0  | 99.0 | 99.0 | 99.0  | 99.3  | 99.3  | 99.4   | 99.4  | 99.5  |
| ≥ 1000          | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.8   | 99.8  | 99.9  |
| ≥ 900           | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.8   | 99.8  | 99.9  |
| ≥ 800           | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.9   | 99.9  | 100.0 |
| ≥ 700           | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.9   | 99.9  | 100.0 |
| ≥ 600           | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.9   | 99.9  | 100.0 |
| ≥ 500           | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.9   | 99.9  | 100.0 |
| ≥ 400           | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.9   | 99.9  | 100.0 |
| ≥ 300           | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.9   | 99.9  | 100.0 |
| ≥ 200           | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.9   | 99.9  | 100.0 |
| ≥ 100           | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.9   | 99.9  | 100.0 |
| ≥ 0             | 76.8                     | 94.4 | 96.4 | 97.4 | 98.8 | 98.9  | 99.3 | 99.3  | 99.3 | 99.3 | 99.3  | 99.7  | 99.7  | 99.9   | 99.9  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MDSLLP-C KOREA/CHEJU-DO ROK M-39

54-66

S.F.P.

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 37.1                     | 37.9 | 27.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9  | 37.9 | 37.9  | 37.9  | 37.9  |
| ≥ 20000         | 46.9                     | 48.4 | 48.4 | 48.4 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5  | 48.5 | 48.5  | 48.5  | 48.5  |
| IV 18000        | 47.5                     | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1  | 49.1 | 49.1  | 49.1  | 49.1  |
| IV 16000        | 48.2                     | 49.7 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8  | 49.8 | 49.8  | 49.8  | 49.8  |
| IV 14000        | 50.7                     | 52.3 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4  | 52.4 | 52.4  | 52.4  | 52.4  |
| IV 12000        | 56.2                     | 58.7 | 58.7 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9  | 58.9 | 58.9  | 58.9  | 58.9  |
| IV 10000        | 61.4                     | 65.6 | 65.7 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0  | 66.0 | 66.0  | 66.0  | 66.0  |
| IV 9000         | 61.5                     | 65.8 | 65.9 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2  |
| IV 8000         | 64.9                     | 70.3 | 70.3 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6  | 70.6 | 70.6  | 70.6  | 70.6  |
| IV 7000         | 65.1                     | 70.8 | 70.9 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1  | 71.1  | 71.1  |
| IV 6000         | 65.6                     | 71.5 | 71.7 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0  | 72.0 | 72.0  | 72.0  | 72.0  |
| IV 5000         | 67.6                     | 75.0 | 75.2 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6  | 75.6 | 75.6  | 75.6  | 75.6  |
| IV 4500         | 69.7                     | 78.0 | 78.3 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7  | 78.7 | 78.7  | 78.7  | 78.7  |
| IV 4000         | 73.7                     | 83.8 | 84.6 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1  | 85.1 | 85.1  | 85.1  | 85.1  |
| IV 3500         | 75.6                     | 87.0 | 88.2 | 88.5 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8  | 88.8 | 88.8  | 88.8  | 88.8  |
| IV 3000         | 77.9                     | 90.8 | 92.2 | 92.7 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2  | 93.2 | 93.2  | 93.2  | 93.2  |
| IV 2500         | 78.6                     | 92.1 | 94.0 | 94.7 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.5 | 95.6 | 95.6  | 95.6 | 95.6  | 95.6  | 95.6  |
| IV 2000         | 78.9                     | 93.2 | 95.2 | 96.0 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.8 | 96.9 | 96.9  | 96.9 | 96.9  | 96.9  | 96.9  |
| IV 1800         | 79.0                     | 93.4 | 95.5 | 96.3 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.3 | 97.4 | 97.4  | 97.4 | 97.4  | 97.4  | 97.4  |
| IV 1500         | 79.3                     | 94.2 | 96.4 | 97.4 | 97.9 | 97.9 | 98.2 | 98.3 | 98.3 | 98.5 | 98.7 | 98.7  | 98.7 | 98.7  | 98.7  | 98.7  |
| IV 1200         | 79.3                     | 94.2 | 96.4 | 97.4 | 98.2 | 98.2 | 98.5 | 98.6 | 98.6 | 98.9 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1  | 99.1  |
| IV 1000         | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 900          | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 800          | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 700          | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 600          | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 500          | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 400          | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 300          | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 200          | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 100          | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 0            | 79.3                     | 94.4 | 96.6 | 97.6 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |

TOTAL NUMBER OF OBSERVATIONS 1170



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MSLLP-0 KCRFA/CHEJU-00 ROK K-39 54-66 SEP 1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  |
| NO CEILING      | 38.3                     | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| ≥ 20000         | 46.7                     | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| IV 18000        | 47.4                     | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| IV 16000        | 47.9                     | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| IV 14000        | 49.1                     | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| IV 12000        | 54.9                     | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| IV 10000        | 59.3                     | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| IV 9000         | 59.3                     | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| IV 8000         | 62.8                     | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| IV 7000         | 63.5                     | 72.2 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| IV 6000         | 64.4                     | 73.4 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 5000         | 65.6                     | 75.2 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| IV 4500         | 67.2                     | 77.3 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| IV 4000         | 71.4                     | 82.8 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| IV 3500         | 73.5                     | 85.9 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| IV 3000         | 75.3                     | 89.0 | 90.5 | 90.6 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| IV 2500         | 75.9                     | 91.2 | 92.7 | 92.8 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| IV 2000         | 76.4                     | 92.0 | 94.0 | 94.5 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 1800         | 76.4                     | 92.0 | 94.1 | 94.7 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| IV 1500         | 76.9                     | 93.0 | 95.2 | 96.1 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 |
| IV 1200         | 76.9                     | 93.1 | 95.3 | 96.2 | 97.9 | 97.9 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 |
| IV 1000         | 76.9                     | 93.3 | 95.6 | 96.5 | 98.2 | 98.2 | 98.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 900          | 76.9                     | 93.3 | 95.6 | 96.5 | 98.2 | 98.2 | 98.6 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 800          | 76.9                     | 93.4 | 95.7 | 96.6 | 98.3 | 98.3 | 98.7 | 98.8 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 700          | 76.9                     | 93.4 | 95.7 | 96.8 | 98.5 | 98.5 | 98.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 600          | 76.9                     | 93.4 | 95.7 | 96.8 | 98.5 | 98.5 | 98.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 500          | 76.9                     | 93.4 | 95.7 | 96.8 | 98.5 | 98.5 | 98.9 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 400          | 76.9                     | 93.4 | 95.7 | 96.8 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 300          | 76.9                     | 93.4 | 95.7 | 96.8 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 200          | 76.9                     | 93.4 | 95.7 | 96.8 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 100          | 76.9                     | 93.4 | 95.7 | 96.8 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 0            | 76.9                     | 93.4 | 95.7 | 96.8 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MOSLLP-0 KOREA/CHEJU-DO ROK K-39 54-66

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2200

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .75 | ≥ .50 | ≥ .25 | ≥ .10 | ≥ .05 | ≥ .01 |
| NO CEILING      | 32.1                     | 45.4 | 45.4 | 5.4  | 45.4 | 45.4  | 45.4 | 45.4  | 45.4  | 45.4 | 45.4  | 45.4  | 45.4  | 45.4  | 45.4  | 45.4  |
| ≥ 20000         | 36.2                     | 52.7 | 52.8 | 52.8 | 52.8 | 52.8  | 52.8 | 52.8  | 52.8  | 52.8 | 52.8  | 52.8  | 52.8  | 52.8  | 52.8  | 52.8  |
| IV 18000        | 36.5                     | 53.0 | 53.1 | 53.1 | 53.1 | 53.1  | 53.1 | 53.1  | 53.1  | 53.1 | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  |
| IV 16000        | 36.8                     | 53.3 | 53.4 | 53.4 | 53.4 | 53.4  | 53.4 | 53.4  | 53.4  | 53.4 | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  |
| IV 14000        | 37.7                     | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  | 55.0 | 55.0  | 55.0  | 55.0 | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  |
| IV 12000        | 41.6                     | 61.1 | 61.2 | 61.2 | 61.2 | 61.2  | 61.2 | 61.2  | 61.2  | 61.2 | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  |
| IV 10000        | 45.4                     | 68.0 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2  | 68.2  | 68.2 | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  |
| IV 9000         | 45.4                     | 68.0 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2  | 68.2  | 68.2 | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  |
| IV 8000         | 48.2                     | 71.8 | 72.0 | 72.0 | 72.0 | 72.0  | 72.0 | 72.0  | 72.0  | 72.0 | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  |
| IV 7000         | 48.5                     | 72.3 | 72.5 | 72.5 | 72.5 | 72.5  | 72.5 | 72.5  | 72.5  | 72.5 | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  |
| IV 6000         | 49.2                     | 73.8 | 73.9 | 73.9 | 73.9 | 73.9  | 73.9 | 73.9  | 73.9  | 73.9 | 73.9  | 73.9  | 73.9  | 73.9  | 73.9  | 73.9  |
| IV 5000         | 50.3                     | 75.1 | 75.5 | 75.5 | 75.5 | 75.5  | 75.5 | 75.5  | 75.5  | 75.5 | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  |
| IV 4500         | 50.9                     | 76.8 | 77.2 | 77.2 | 77.2 | 77.2  | 77.2 | 77.2  | 77.2  | 77.2 | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  |
| IV 4000         | 53.8                     | 81.5 | 82.2 | 82.2 | 82.2 | 82.2  | 82.2 | 82.2  | 82.2  | 82.2 | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  |
| IV 3500         | 55.2                     | 84.8 | 85.6 | 85.7 | 85.8 | 85.8  | 85.9 | 85.9  | 85.9  | 85.9 | 85.9  | 85.9  | 85.9  | 85.9  | 85.9  | 85.9  |
| IV 3000         | 57.2                     | 88.6 | 89.9 | 90.2 | 90.3 | 90.3  | 90.3 | 90.3  | 90.3  | 90.3 | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  |
| IV 2500         | 58.6                     | 92.2 | 94.0 | 94.4 | 95.0 | 95.0  | 95.0 | 95.0  | 95.0  | 95.0 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| IV 2000         | 9.2                      | 93.9 | 95.8 | 96.6 | 97.2 | 97.2  | 97.4 | 97.4  | 97.4  | 97.4 | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  |
| IV 1800         | 59.2                     | 93.9 | 95.8 | 96.6 | 97.2 | 97.2  | 97.4 | 97.4  | 97.4  | 97.4 | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  |
| IV 1500         | 59.2                     | 94.3 | 96.2 | 96.9 | 97.6 | 97.6  | 97.9 | 97.9  | 97.9  | 98.2 | 98.5  | 98.5  | 98.7  | 98.7  | 98.7  | 98.7  |
| IV 1200         | 59.2                     | 94.4 | 96.3 | 97.2 | 97.9 | 97.9  | 98.2 | 98.2  | 98.2  | 98.6 | 99.0  | 99.0  | 99.3  | 99.3  | 99.3  | 99.3  |
| IV 1000         | 59.4                     | 94.8 | 96.7 | 97.5 | 98.2 | 98.2  | 98.5 | 98.5  | 98.5  | 99.0 | 99.3  | 99.3  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 900          | 59.4                     | 94.8 | 96.7 | 97.5 | 98.2 | 98.2  | 98.5 | 98.5  | 98.5  | 99.0 | 99.3  | 99.3  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 800          | 59.4                     | 94.8 | 96.7 | 97.5 | 98.2 | 98.2  | 98.5 | 98.5  | 98.5  | 99.0 | 99.4  | 99.4  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 700          | 59.4                     | 94.8 | 96.7 | 97.5 | 98.3 | 98.3  | 98.6 | 98.6  | 98.6  | 99.1 | 99.5  | 99.5  | 99.8  | 99.8  | 99.8  | 99.8  |
| IV 600          | 59.4                     | 94.8 | 96.7 | 97.5 | 98.3 | 98.3  | 98.6 | 98.6  | 98.6  | 99.1 | 99.5  | 99.5  | 99.8  | 99.8  | 99.8  | 99.8  |
| IV 500          | 59.4                     | 94.8 | 96.7 | 97.5 | 98.3 | 98.3  | 98.6 | 98.6  | 98.6  | 99.1 | 99.5  | 99.5  | 99.8  | 99.8  | 99.8  | 99.8  |
| IV 400          | 59.4                     | 94.8 | 96.7 | 97.5 | 98.3 | 98.3  | 98.8 | 98.8  | 98.8  | 99.2 | 99.7  | 99.7  | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300          | 59.4                     | 94.8 | 96.7 | 97.5 | 98.3 | 98.3  | 98.8 | 98.8  | 98.8  | 99.2 | 99.7  | 99.7  | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200          | 59.4                     | 94.8 | 96.7 | 97.5 | 98.3 | 98.3  | 98.8 | 98.8  | 98.8  | 99.2 | 99.7  | 99.7  | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100          | 59.4                     | 94.8 | 96.7 | 97.5 | 98.3 | 98.3  | 98.8 | 98.8  | 98.8  | 99.2 | 99.7  | 99.7  | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0            | 59.4                     | 94.8 | 96.7 | 97.5 | 98.3 | 98.3  | 98.8 | 98.8  | 98.8  | 99.2 | 99.7  | 99.7  | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MSGSLP-0 KOREA/CHEJU-DC RCK K-39 54-66

S-4

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1  | ≥ .05 | ≥ .02 | ≥ .01 |
| NO CEILING      | 26.5                     | 52.9 | 52.9 | 52.9 | 52.9 | 52.9  | 52.9 | 52.9  | 52.9 | 52.9  | 52.9 | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| ≥ 2500          | 27.4                     | 56.6 | 56.6 | 56.6 | 56.6 | 56.6  | 56.6 | 56.6  | 56.6 | 56.6  | 56.6 | 56.6  | 56.6  | 56.6  | 56.6  | 56.6  |
| ≥ 1800          | 27.4                     | 56.8 | 56.8 | 56.8 | 56.8 | 56.8  | 56.8 | 56.8  | 56.8 | 56.8  | 56.8 | 56.8  | 56.8  | 56.8  | 56.8  | 56.8  |
| ≥ 1600          | 27.7                     | 57.4 | 57.4 | 57.4 | 57.4 | 57.4  | 57.4 | 57.4  | 57.4 | 57.4  | 57.4 | 57.4  | 57.4  | 57.4  | 57.4  | 57.4  |
| ≥ 1400          | 28.1                     | 58.3 | 58.3 | 58.3 | 58.3 | 58.3  | 58.3 | 58.3  | 58.3 | 58.3  | 58.3 | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  |
| ≥ 1200          | 31.3                     | 63.3 | 63.3 | 63.3 | 63.3 | 63.3  | 63.3 | 63.3  | 63.3 | 63.3  | 63.3 | 63.3  | 63.3  | 63.3  | 63.3  | 63.3  |
| ≥ 1000          | 34.4                     | 69.8 | 69.8 | 69.8 | 69.8 | 69.8  | 69.8 | 69.8  | 69.8 | 69.8  | 69.8 | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  |
| ≥ 800           | 35.7                     | 73.0 | 73.0 | 73.0 | 73.0 | 73.0  | 73.0 | 73.0  | 73.0 | 73.0  | 73.0 | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  |
| ≥ 600           | 36.2                     | 74.9 | 74.9 | 74.9 | 74.9 | 74.9  | 74.9 | 74.9  | 74.9 | 74.9  | 74.9 | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  |
| ≥ 500           | 37.4                     | 76.6 | 76.6 | 76.6 | 76.6 | 76.6  | 76.6 | 76.6  | 76.6 | 76.6  | 76.6 | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  |
| ≥ 450           | 37.9                     | 78.4 | 78.4 | 78.4 | 78.4 | 78.4  | 78.4 | 78.4  | 78.4 | 78.4  | 78.4 | 78.4  | 78.4  | 78.4  | 78.4  | 78.4  |
| ≥ 400           | 40.9                     | 83.2 | 83.2 | 83.2 | 83.2 | 83.2  | 83.2 | 83.2  | 83.2 | 83.2  | 83.2 | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  |
| ≥ 3500          | 41.9                     | 86.8 | 86.8 | 86.8 | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8  | 86.8  | 86.8  | 86.8  |
| ≥ 3000          | 44.5                     | 91.5 | 91.5 | 91.5 | 91.5 | 91.5  | 91.5 | 91.5  | 91.5 | 91.5  | 91.5 | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  |
| ≥ 2500          | 45.2                     | 94.1 | 94.1 | 94.1 | 95.1 | 95.1  | 95.1 | 95.1  | 95.1 | 95.1  | 95.1 | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  |
| ≥ 2000          | 45.4                     | 95.7 | 96.7 | 96.8 | 97.1 | 97.1  | 97.2 | 97.2  | 97.2 | 97.2  | 97.3 | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  |
| ≥ 1800          | 45.4                     | 95.7 | 96.7 | 96.8 | 97.2 | 97.2  | 97.3 | 97.3  | 97.3 | 97.3  | 97.4 | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  |
| ≥ 1500          | 45.4                     | 96.1 | 97.2 | 97.5 | 98.1 | 98.1  | 98.2 | 98.2  | 98.2 | 98.2  | 98.4 | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  |
| ≥ 1200          | 45.4                     | 96.3 | 97.3 | 97.9 | 98.5 | 98.5  | 98.6 | 98.6  | 98.6 | 98.6  | 98.8 | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  |
| ≥ 1000          | 45.5                     | 96.6 | 97.8 | 98.2 | 98.8 | 98.8  | 98.9 | 98.9  | 98.9 | 98.9  | 99.4 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| ≥ 900           | 45.5                     | 96.6 | 97.8 | 98.2 | 98.8 | 98.8  | 98.9 | 98.9  | 98.9 | 98.9  | 99.4 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| ≥ 800           | 45.5                     | 96.6 | 97.8 | 98.2 | 98.8 | 98.8  | 98.9 | 98.9  | 98.9 | 98.9  | 99.4 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| ≥ 700           | 45.5                     | 96.6 | 97.8 | 98.3 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600           | 45.5                     | 96.6 | 97.8 | 98.3 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500           | 45.5                     | 96.6 | 97.8 | 98.3 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400           | 45.5                     | 96.6 | 97.8 | 98.3 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300           | 45.5                     | 96.6 | 97.8 | 98.3 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200           | 45.5                     | 96.6 | 97.8 | 98.3 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 45.5                     | 96.6 | 97.8 | 98.3 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0             | 45.5                     | 96.6 | 97.8 | 98.3 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 2801

# CEILING VERSUS VISIBILITY

43263  
STATION

MCSLLP-C KOREA/CHEJU-DO ROK R-39

54-66

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PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3000-0200

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |       |       |       |       |       |       |       |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2.5 | ≥ 2   | ≥ 1.5 | ≥ 1.4 | ≥ 1   | ≥ .5  | ≥ .58 | ≥ .7  | ≥ .576 | ≥ .4  | ≥ .3  |
| NO CEILING      | 33.3                     | 60.7 | 60.7 | 60.7 | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7   | 60.7  | 60.7  |
| ≥ 20000         | 34.7                     | 64.8 | 64.8 | 64.8 | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8   | 64.8  | 64.8  |
| ≥ 18000         | 34.7                     | 65.0 | 65.0 | 65.0 | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0   | 65.0  | 65.0  |
| ≥ 16000         | 34.7                     | 65.4 | 65.4 | 65.4 | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4   | 65.4  | 65.4  |
| ≥ 14000         | 35.2                     | 67.1 | 67.2 | 67.2 | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2   | 67.2  | 67.2  |
| ≥ 12000         | 36.5                     | 70.9 | 71.1 | 71.1 | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1   | 71.1  | 71.1  |
| ≥ 10000         | 38.4                     | 75.4 | 75.5 | 75.5 | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5   | 75.5  | 75.5  |
| ≥ 9000          | 38.5                     | 75.5 | 75.7 | 75.7 | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7   | 75.7  | 75.7  |
| ≥ 8000          | 39.3                     | 78.5 | 78.7 | 78.7 | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7   | 78.7  | 78.7  |
| ≥ 7000          | 39.5                     | 78.7 | 79.0 | 79.1 | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1   | 79.1  | 79.1  |
| ≥ 6000          | 39.6                     | 79.2 | 79.4 | 79.5 | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6   | 79.6  | 79.6  |
| ≥ 5000          | 39.7                     | 80.2 | 80.5 | 80.6 | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6   | 80.6  | 80.6  |
| ≥ 4500          | 40.6                     | 82.6 | 82.9 | 83.0 | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0   | 83.0  | 83.0  |
| ≥ 4000          | 45.0                     | 89.0 | 89.3 | 89.4 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5   | 89.5  | 89.5  |
| ≥ 3500          | 45.7                     | 90.7 | 91.2 | 91.3 | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4   | 91.4  | 91.4  |
| ≥ 3000          | 47.7                     | 94.0 | 94.9 | 95.0 | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1   | 95.1  | 95.1  |
| ≥ 2500          | 48.5                     | 97.4 | 98.3 | 98.3 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8   | 98.8  | 98.8  |
| ≥ 2000          | 48.5                     | 97.8 | 98.8 | 99.0 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4   | 99.4  | 99.4  |
| ≥ 1800          | 48.5                     | 97.8 | 98.8 | 99.1 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5   | 99.5  | 99.5  |
| ≥ 1500          | 48.5                     | 97.8 | 98.9 | 99.3 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8   | 99.8  | 99.8  |
| ≥ 1200          | 48.5                     | 97.8 | 98.9 | 99.3 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8   | 99.8  | 99.8  |
| ≥ 1000          | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 900           | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 800           | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 700           | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 600           | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 500           | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 400           | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 300           | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 200           | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 100           | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ≥ 0             | 48.5                     | 98.0 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MESLEP-D KORFA/CHEJU-DC ROK 7-39 54-66

CCY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |       |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1   | ≥ .75 | ≥ .58 | ≥ .5  | ≥ .36 | ≥ .3  | ≥ .25 |
| NO CEILING      | 31.8                     | 59.8 | 59.8 | 59.8 | 59.8 | 59.8  | 59.8 | 59.8  | 59.8  | 59.8  | 59.8  | 59.8  | 59.8  | 59.8  | 59.8  | 59.8  |
| ≥ 20000         | 33.2                     | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  | 64.4 | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  |
| IV 18000        | 33.2                     | 64.6 | 64.6 | 64.6 | 64.6 | 64.6  | 64.6 | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  |
| IV 16000        | 33.2                     | 65.0 | 65.0 | 65.0 | 65.0 | 65.0  | 65.0 | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  |
| IV 14000        | 33.9                     | 66.5 | 66.5 | 66.5 | 66.5 | 66.5  | 66.5 | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  |
| IV 12000        | 35.8                     | 70.5 | 70.5 | 70.5 | 70.5 | 70.5  | 70.5 | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  |
| IV 10000        | 37.4                     | 74.4 | 74.4 | 74.4 | 74.4 | 74.4  | 74.4 | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  |
| IV 9000         | 37.5                     | 74.6 | 74.6 | 74.6 | 74.6 | 74.6  | 74.6 | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  |
| IV 8000         | 38.4                     | 78.0 | 78.0 | 78.0 | 78.0 | 78.0  | 78.0 | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  |
| IV 7000         | 38.5                     | 78.3 | 78.3 | 78.3 | 78.3 | 78.3  | 78.3 | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  |
| IV 6000         | 38.9                     | 79.2 | 79.2 | 79.3 | 79.3 | 79.3  | 79.3 | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  |
| IV 5000         | 39.5                     | 80.6 | 80.6 | 80.8 | 80.8 | 80.8  | 80.8 | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.9  | 80.9  | 80.9  | 80.9  |
| IV 4500         | 40.0                     | 82.3 | 82.3 | 82.5 | 82.5 | 82.5  | 82.5 | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  |
| IV 4000         | 42.8                     | 87.4 | 87.6 | 87.8 | 87.8 | 87.8  | 87.8 | 87.8  | 87.8  | 87.8  | 87.8  | 87.8  | 87.8  | 87.8  | 87.8  | 87.8  |
| IV 3500         | 43.6                     | 90.4 | 90.6 | 90.7 | 90.7 | 90.7  | 90.7 | 90.7  | 90.7  | 90.7  | 90.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  |
| IV 3000         | 45.7                     | 95.3 | 95.6 | 95.8 | 95.9 | 95.9  | 95.9 | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  |
| IV 2500         | 46.7                     | 97.6 | 98.0 | 98.4 | 98.6 | 98.6  | 98.6 | 98.6  | 98.6  | 98.6  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| IV 2000         | 46.7                     | 98.1 | 98.6 | 99.0 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| IV 1800         | 46.7                     | 98.1 | 98.6 | 99.0 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| IV 1500         | 46.7                     | 98.1 | 98.6 | 99.0 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| IV 1200         | 46.7                     | 98.2 | 98.8 | 99.2 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| IV 1000         | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900          | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800          | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700          | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600          | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500          | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400          | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300          | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200          | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100          | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0            | 46.7                     | 98.6 | 99.2 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSLP-C KOREA/CHEJU-DC RCK K-39 54-66

PLT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |       |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1   | ≥ .75 | ≥ .5  | ≥ .3  | ≥ .25 | ≥ .2  | ≥ 0   |
| NO CEILING      | 47.4                     | 52.9 | 52.9 | 52.9 | 52.9 | 52.9  | 52.9 | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| ≥ 20000         | 53.4                     | 60.7 | 60.7 | 60.7 | 60.7 | 60.7  | 60.7 | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  |
| IV 18000        | 54.0                     | 61.1 | 61.1 | 61.1 | 61.1 | 61.1  | 61.1 | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  |
| IV 16000        | 54.6                     | 62.0 | 62.0 | 62.0 | 62.0 | 62.0  | 62.0 | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  |
| IV 14000        | 57.1                     | 64.6 | 64.6 | 64.6 | 64.6 | 64.6  | 64.6 | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  |
| IV 12000        | 61.5                     | 70.1 | 70.1 | 70.1 | 70.1 | 70.1  | 70.1 | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  |
| IV 10000        | 65.7                     | 75.4 | 75.5 | 75.5 | 75.5 | 75.5  | 75.5 | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  |
| IV 9000         | 65.9                     | 75.8 | 75.8 | 75.8 | 75.8 | 75.8  | 75.8 | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  |
| IV 8000         | 68.0                     | 79.2 | 79.2 | 79.2 | 79.2 | 79.2  | 79.2 | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| IV 7000         | 68.2                     | 79.9 | 80.0 | 80.0 | 80.0 | 80.0  | 80.0 | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
| IV 6000         | 68.9                     | 81.2 | 81.3 | 81.3 | 81.3 | 81.3  | 81.3 | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  |
| IV 5000         | 70.7                     | 83.8 | 83.9 | 83.9 | 83.9 | 83.9  | 83.9 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  |
| IV 4500         | 72.0                     | 86.1 | 86.2 | 86.2 | 86.2 | 86.2  | 86.2 | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  |
| IV 4000         | 73.9                     | 89.2 | 89.5 | 89.5 | 89.5 | 89.5  | 89.5 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  |
| IV 3500         | 74.5                     | 91.1 | 91.6 | 91.6 | 91.6 | 91.6  | 91.6 | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  |
| IV 3000         | 76.0                     | 94.3 | 94.9 | 95.0 | 95.0 | 95.0  | 95.0 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| IV 2500         | 77.1                     | 95.9 | 96.7 | 96.9 | 96.9 | 96.9  | 96.9 | 96.9  | 96.9  | 96.9  | 96.9  | 96.9  | 96.9  | 96.9  | 96.9  | 96.9  |
| IV 2000         | 77.2                     | 96.6 | 97.5 | 98.0 | 98.2 | 98.2  | 98.3 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| IV 1800         | 77.2                     | 96.6 | 97.6 | 98.1 | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| IV 1500         | 77.2                     | 96.6 | 97.7 | 98.2 | 98.4 | 98.4  | 98.5 | 98.5  | 98.5  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  |
| IV 1200         | 77.2                     | 96.7 | 97.8 | 98.5 | 98.8 | 98.8  | 98.9 | 98.9  | 98.9  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| IV 1000         | 77.2                     | 97.0 | 98.5 | 99.2 | 99.4 | 99.4  | 99.6 | 99.6  | 99.6  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 900          | 77.2                     | 97.1 | 98.6 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.7  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| IV 800          | 77.2                     | 97.1 | 98.6 | 99.3 | 99.5 | 99.5  | 99.7 | 99.7  | 99.7  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| IV 700          | 77.2                     | 97.2 | 98.7 | 99.4 | 99.7 | 99.7  | 99.8 | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| IV 600          | 77.2                     | 97.2 | 98.7 | 99.4 | 99.7 | 99.7  | 99.8 | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| IV 500          | 77.2                     | 97.3 | 98.8 | 99.5 | 99.8 | 99.8  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400          | 77.2                     | 97.3 | 98.8 | 99.5 | 99.8 | 99.8  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300          | 77.2                     | 97.3 | 98.8 | 99.5 | 99.8 | 99.8  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200          | 77.2                     | 97.3 | 98.8 | 99.5 | 99.8 | 99.8  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100          | 77.2                     | 97.3 | 98.8 | 99.5 | 99.8 | 99.8  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0            | 77.2                     | 97.3 | 98.8 | 99.5 | 99.8 | 99.8  | 99.9 | 99.9  | 99.9  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ATHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSULF-C KOREA/CHEJU-DC RCK K-31

54-66

001

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1966-1967

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ 5/8 | ≥ ½   | ≥ 3/8 | ≥ ¼   | ≥ 0   |
| NO CEILING      | 55.2                     | 55.8 | 55.8 | 55.8 | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  |
| ≥ 20000         | 63.4                     | 64.6 | 64.6 | 64.6 | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  |
| IV 18000        | 63.7                     | 64.8 | 64.8 | 64.8 | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  |
| IV 16000        | 64.3                     | 65.4 | 65.4 | 65.4 | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  |
| IV 14000        | 66.5                     | 67.7 | 67.7 | 67.7 | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  |
| IV 12000        | 72.1                     | 73.9 | 74.0 | 74.0 | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  |
| IV 10000        | 76.6                     | 79.1 | 79.2 | 79.2 | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| IV 9000         | 76.6                     | 79.1 | 79.2 | 79.2 | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| IV 8000         | 78.5                     | 81.6 | 81.9 | 81.9 | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  |
| IV 7000         | 79.2                     | 82.6 | 82.9 | 82.9 | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  |
| IV 6000         | 80.4                     | 84.0 | 84.4 | 84.4 | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  |
| IV 5000         | 81.8                     | 86.4 | 86.8 | 86.8 | 86.8  | 86.8  | 86.8  | 86.8  | 86.8  | 86.8  | 86.8  | 86.8  | 86.8  | 86.8  | 86.8  | 86.8  |
| IV 4500         | 84.0                     | 88.6 | 89.0 | 89.0 | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  |
| IV 4000         | 86.5                     | 91.9 | 92.4 | 92.4 | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  |
| IV 3500         | 87.5                     | 93.8 | 94.3 | 94.3 | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  |
| IV 3000         | 88.7                     | 95.6 | 96.2 | 96.2 | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  |
| IV 2500         | 89.7                     | 97.2 | 97.9 | 98.0 | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| IV 2000         | 89.7                     | 97.7 | 98.6 | 98.8 | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  |
| IV 1800         | 89.7                     | 97.7 | 98.6 | 98.8 | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  |
| IV 1500         | 89.7                     | 98.0 | 99.1 | 99.3 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| IV 1200         | 89.7                     | 98.1 | 99.3 | 99.6 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| IV 1000         | 89.7                     | 98.2 | 99.5 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| IV 900          | 89.7                     | 98.2 | 99.5 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| IV 800          | 89.7                     | 98.2 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700          | 89.7                     | 98.2 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600          | 89.7                     | 98.2 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500          | 89.7                     | 98.2 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400          | 89.7                     | 98.2 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300          | 89.7                     | 98.2 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200          | 89.7                     | 98.2 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100          | 89.7                     | 98.2 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0            | 89.7                     | 98.2 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

## CEILING VERSUS VISIBILITY

43263

WGSLLP-C KOREA/CHEJU-DO ROK K-39

14-66

CCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ ⅓   | ≥ ⅓   | ≥ ⅓   | ≥ 0   |
| NO CEILING      | 51.4                     | 51.7 | 51.7 | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  |
| ≥ 20000         | 60.5                     | 61.0 | 61.0 | 61.0 | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  |
| ≥ 13000         | 60.6                     | 61.1 | 61.1 | 61.1 | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  |
| ≥ 16000         | 61.3                     | 61.8 | 61.8 | 61.8 | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  |
| ≥ 14000         | 63.6                     | 64.1 | 64.1 | 64.1 | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  |
| ≥ 12000         | 69.1                     | 69.8 | 69.8 | 69.9 | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  |
| ≥ 10000         | 72.7                     | 74.5 | 74.5 | 74.6 | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  |
| ≥ 9000          | 73.0                     | 74.8 | 74.8 | 74.9 | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  |
| ≥ 8000          | 76.1                     | 78.8 | 78.8 | 78.9 | 78.9  | 78.9  | 78.9  | 78.9  | 78.9  | 78.9  | 78.9  | 78.9  | 78.9  | 78.9  | 78.9  | 78.9  |
| ≥ 7000          | 76.7                     | 79.4 | 79.4 | 79.5 | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  |
| ≥ 6000          | 77.7                     | 80.8 | 80.8 | 80.9 | 80.9  | 80.9  | 80.9  | 80.9  | 80.9  | 80.9  | 80.9  | 80.9  | 80.9  | 80.9  | 80.9  | 80.9  |
| ≥ 5000          | 79.4                     | 82.9 | 82.9 | 83.0 | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  |
| ≥ 4500          | 81.6                     | 85.5 | 85.6 | 85.7 | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  |
| ≥ 4000          | 85.5                     | 90.5 | 90.7 | 90.8 | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  |
| ≥ 3500          | 87.1                     | 92.9 | 93.1 | 93.2 | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  |
| ≥ 3000          | 88.6                     | 95.7 | 96.1 | 96.2 | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  |
| ≥ 2500          | 89.6                     | 97.2 | 97.8 | 98.0 | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |
| ≥ 2000          | 89.9                     | 97.9 | 98.8 | 99.0 | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| ≥ 1800          | 89.9                     | 97.9 | 98.8 | 99.0 | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| ≥ 1500          | 89.9                     | 98.4 | 99.3 | 99.5 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| ≥ 1200          | 90.0                     | 98.6 | 99.4 | 99.7 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 1000          | 90.0                     | 98.7 | 99.5 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 900           | 90.0                     | 98.7 | 99.5 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 800           | 90.0                     | 98.7 | 99.5 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 700           | 90.0                     | 98.7 | 99.5 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 600           | 90.0                     | 98.7 | 99.5 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 500           | 90.0                     | 98.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400           | 90.0                     | 98.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300           | 90.0                     | 98.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200           | 90.0                     | 98.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 90.0                     | 98.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0             | 90.0                     | 98.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209



DATA PROCESSING DIVISION  
ETAC, USAF  
RAHEVILLE, N. C. 28601

## CEILING VERSUS VISIBILITY

43263  
STATION

MOSULP-0 KORFA/CHEJL-DE RCK K-39  
STATION NAME

54-66  
YEARS

CCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |       |       |       |       |       |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ 5/8 | ≥ ½   | ≥ 5/16 | ≥ ¼   | ≥ 0   |
| NO CEILING      | 48.1                     | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5  | 49.5  | 49.5  | 49.5  | 49.5  | 49.5  | 49.5  | 49.5   | 49.5  | 49.5  |
| ≥ 20000         | 58.1                     | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1   | 60.1  | 60.1  |
| IV 18000        | 58.4                     | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4   | 60.4  | 60.4  |
| IV 16000        | 58.8                     | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8   | 60.8  | 60.8  |
| IV 14000        | 61.4                     | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4   | 63.4  | 63.4  |
| IV 12000        | 65.3                     | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9   | 67.9  | 67.9  |
| IV 10000        | 69.7                     | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  | 73.5   | 73.5  | 73.5  |
| IV 9000         | 69.9                     | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7   | 73.7  | 73.7  |
| IV 8000         | 72.6                     | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1   | 77.1  | 77.1  |
| IV 7000         | 73.0                     | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7   | 77.7  | 77.7  |
| IV 6000         | 74.3                     | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1   | 79.1  | 79.1  |
| IV 5000         | 76.0                     | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3   | 81.3  | 81.3  |
| IV 4500         | 79.2                     | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5   | 85.5  | 85.5  |
| IV 4000         | 82.9                     | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8   | 90.8  | 90.8  |
| IV 3500         | 83.7                     | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6   | 92.6  | 92.6  |
| IV 3000         | 84.9                     | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4  | 95.4  | 95.4  | 95.4  | 95.4  | 95.4  | 95.4  | 95.4   | 95.4  | 95.4  |
| IV 2500         | 86.6                     | 97.8 | 98.0 | 98.3 | 98.3 | 98.3 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4   | 98.4  | 98.4  |
| IV 2000         | 86.6                     | 98.1 | 98.6 | 98.9 | 99.1 | 99.1 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  | 99.2  |
| IV 1800         | 86.6                     | 98.1 | 98.6 | 98.9 | 99.1 | 99.1 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  | 99.2  |
| IV 1500         | 86.6                     | 98.2 | 98.9 | 99.3 | 99.4 | 99.4 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5   | 99.5  | 99.5  |
| IV 1200         | 86.8                     | 98.5 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8   | 99.8  | 99.8  |
| IV 1000         | 86.8                     | 98.6 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 900          | 86.8                     | 98.6 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 800          | 86.8                     | 98.6 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 700          | 86.8                     | 98.6 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 600          | 86.8                     | 98.6 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 500          | 86.8                     | 98.6 | 99.4 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 400          | 86.8                     | 98.6 | 99.4 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 300          | 86.8                     | 98.6 | 99.4 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 200          | 86.8                     | 98.6 | 99.4 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 100          | 86.8                     | 98.6 | 99.4 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 0            | 86.8                     | 98.6 | 99.4 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSLLP-G KOREA/CHEJU-DO ROK K-39

54-66

ECT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ 5/8 | ≥ ½   | ≥ 3/8 | ≥ 1/4 | ≥ 0   |
| NO CEILING      | 40.4                     | 56.1 | 56.1 | 56.1 | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  |
| ≥ 20000         | 44.7                     | 63.7 | 63.7 | 63.7 | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| IV 18000        | 45.4                     | 64.4 | 64.4 | 64.4 | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  |
| IV 16000        | 45.7                     | 64.8 | 64.8 | 64.8 | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  |
| IV 14000        | 46.9                     | 66.5 | 66.5 | 66.5 | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  |
| IV 12000        | 49.6                     | 71.0 | 71.0 | 71.0 | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| IV 10000        | 52.4                     | 76.5 | 76.5 | 76.5 | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  |
| IV 9000         | 52.5                     | 76.6 | 76.6 | 76.6 | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  |
| IV 8000         | 54.5                     | 80.1 | 80.2 | 80.2 | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  |
| IV 7000         | 54.8                     | 80.6 | 80.6 | 80.6 | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  |
| IV 6000         | 55.2                     | 81.4 | 81.5 | 81.5 | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  |
| IV 5000         | 56.1                     | 82.8 | 82.9 | 82.9 | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  |
| IV 4500         | 58.4                     | 86.1 | 86.3 | 86.3 | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  |
| IV 4000         | 61.5                     | 90.9 | 91.2 | 91.2 | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  |
| IV 3500         | 62.2                     | 92.1 | 92.4 | 92.4 | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  |
| IV 3000         | 63.5                     | 94.5 | 94.8 | 94.8 | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  |
| IV 2500         | 64.8                     | 97.2 | 97.5 | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| IV 2000         | 64.9                     | 97.8 | 98.1 | 98.6 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |
| IV 1800         | 64.9                     | 97.8 | 98.1 | 98.6 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |
| IV 1500         | 64.9                     | 98.3 | 98.8 | 99.3 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| IV 1200         | 65.0                     | 98.3 | 99.0 | 99.5 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 1000         | 65.0                     | 98.6 | 99.3 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| IV 900          | 65.0                     | 98.6 | 99.3 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| IV 800          | 65.0                     | 98.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700          | 65.0                     | 98.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600          | 65.0                     | 98.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500          | 65.0                     | 98.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400          | 65.0                     | 98.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300          | 65.0                     | 98.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200          | 65.0                     | 98.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100          | 65.0                     | 98.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0            | 65.0                     | 98.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1299

DATA PROCESSING DIVISION  
ETAC, USAF  
ASPEVILL, N. C. 28801

# CEILING VERSUS VISIBILITY

47263  
STATION

MCSLLP-0 KOREA/CHEJU-DO RCK K-39  
STATION NAME

54-66  
YEARS

001  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |       |       |       |       |       |       |       |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ 5/8 | ≥ 7/8 | ≥ 5/16 | ≥ 4   | ≥ 3   |
| NO CEILING      | 35.7                     | 61.0 | 61.0 | 61.0 | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0   | 61.0  | 61.0  |
| ≥ 20000         | 37.2                     | 66.3 | 66.3 | 66.3 | 66.3  | 66.3  | 66.3  | 66.3  | 66.3  | 66.3  | 66.3  | 66.3  | 66.3  | 66.3   | 66.3  | 66.3  |
| IV 18000        | 37.6                     | 66.9 | 66.9 | 66.9 | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9   | 66.9  | 66.9  |
| IV 16000        | 38.0                     | 67.5 | 67.5 | 67.5 | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5   | 67.5  | 67.5  |
| IV 14000        | 38.5                     | 68.9 | 69.1 | 69.1 | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1   | 69.1  | 69.1  |
| IV 12000        | 41.4                     | 73.5 | 73.8 | 73.8 | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  | 73.8  | 73.8   | 73.8  | 73.8  |
| IV 10000        | 42.5                     | 78.2 | 78.5 | 78.5 | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5   | 78.5  | 78.5  |
| IV 9000         | 42.5                     | 78.3 | 78.7 | 78.7 | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7   | 78.7  | 78.7  |
| IV 8000         | 43.9                     | 81.2 | 81.8 | 81.8 | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8   | 81.8  | 81.8  |
| IV 7000         | 44.3                     | 81.7 | 82.3 | 82.3 | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3   | 82.3  | 82.3  |
| IV 6000         | 44.3                     | 82.0 | 82.7 | 82.7 | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7   | 82.7  | 82.7  |
| IV 5000         | 44.9                     | 83.0 | 83.7 | 83.7 | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7   | 83.7  | 83.7  |
| IV 4500         | 45.7                     | 84.5 | 85.3 | 85.3 | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3   | 85.3  | 85.3  |
| IV 4000         | 49.0                     | 88.9 | 89.8 | 89.8 | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8   | 89.8  | 89.8  |
| IV 3500         | 50.3                     | 91.6 | 92.6 | 92.6 | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6   | 92.6  | 92.6  |
| IV 3000         | 51.5                     | 93.8 | 95.0 | 95.0 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0   | 95.0  | 95.0  |
| IV 2500         | 52.6                     | 96.7 | 98.0 | 98.4 | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5   | 98.5  | 98.5  |
| IV 2000         | 52.7                     | 97.2 | 98.8 | 99.3 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4   | 99.4  | 99.4  |
| IV 1800         | 52.7                     | 97.2 | 98.8 | 99.3 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4   | 99.4  | 99.4  |
| IV 1500         | 52.7                     | 97.4 | 99.1 | 99.6 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8   | 99.8  | 99.8  |
| IV 1200         | 52.7                     | 97.4 | 99.1 | 99.6 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8   | 99.8  | 99.8  |
| IV 1000         | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 900          | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 800          | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 700          | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 600          | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 500          | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 400          | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 300          | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 200          | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 100          | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 0            | 52.7                     | 97.6 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

NOSULP-0 KOREA/CHILJU-DO RCK A-39

54-66

NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2200

| CEILING<br>FEET | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1   | ≥ ¾   | ≥ 5/8 | ≥ ½   | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 30.9                       | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  |
| ≥ 20000         | 31.7                       | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  |
| IV 18000        | 31.8                       | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  |
| IV 16000        | 31.8                       | 55.7 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  |
| IV 14000        | 32.7                       | 57.0 | 57.0 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  |
| IV 12000        | 33.2                       | 59.6 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8  | 59.8  | 59.8  | 59.8  | 59.8  | 59.8  | 59.8  |
| IV 10000        | 34.7                       | 63.2 | 63.2 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  |
| IV 9000         | 34.7                       | 63.2 | 63.2 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  |
| IV 8000         | 35.2                       | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  |
| IV 7000         | 35.5                       | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  |
| IV 6000         | 35.6                       | 66.4 | 66.4 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  |
| IV 5000         | 36.1                       | 69.2 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7  | 69.7  | 69.7  | 69.7  | 69.7  | 69.7  | 69.7  |
| IV 4500         | 36.8                       | 73.1 | 73.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  |
| IV 4000         | 41.5                       | 82.2 | 82.8 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  |
| IV 3500         | 42.7                       | 86.2 | 87.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  |
| IV 3000         | 45.1                       | 92.9 | 94.1 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  |
| IV 2500         | 45.3                       | 95.7 | 97.3 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| IV 2000         | 45.3                       | 96.0 | 97.7 | 98.8 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| IV 1800         | 45.3                       | 96.0 | 97.7 | 98.8 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 1500         | 45.3                       | 96.0 | 97.7 | 98.8 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 1200         | 45.3                       | 96.2 | 97.9 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| IV 1000         | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900          | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800          | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700          | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600          | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500          | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400          | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300          | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200          | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100          | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0            | 45.3                       | 96.3 | 98.0 | 99.1 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSULP-C KOREA/CHEJU-DO ROK K-39

54-66

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS T-5

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ 5/8 | ≥ ½   | ≥ 3/8 | ≥ ¼   | ≥ 0   |
| NO CEILING      | 30.3                     | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  |
| ≥ 20000         | 31.2                     | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  |
| IV 18000        | 31.4                     | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  |
| IV 16000        | 31.6                     | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  |
| IV 14000        | 32.2                     | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  |
| IV 12000        | 32.7                     | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  |
| IV 10000        | 34.5                     | 62.8 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  |
| IV 9000         | 34.5                     | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  |
| IV 8000         | 35.0                     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  |
| IV 7000         | 35.2                     | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6  | 66.6  | 66.6  | 66.6  | 66.6  | 66.6  | 66.6  | 66.6  | 66.6  | 66.6  |
| IV 6000         | 35.2                     | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  |
| IV 5000         | 35.6                     | 69.5 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  |
| IV 4500         | 36.1                     | 72.5 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  |
| IV 4000         | 40.2                     | 82.0 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6  | 82.6  | 82.6  | 82.6  | 82.6  | 82.6  | 82.6  | 82.6  | 82.6  | 82.6  |
| IV 3500         | 41.4                     | 86.9 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  |
| IV 3000         | 42.9                     | 92.5 | 93.4 | 93.9 | 93.9 | 93.9 | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  |
| IV 2500         | 43.0                     | 95.9 | 97.2 | 98.0 | 98.4 | 98.4 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| IV 2000         | 43.0                     | 96.7 | 98.1 | 99.0 | 99.6 | 99.6 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| IV 1800         | 43.0                     | 96.8 | 98.2 | 99.1 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 1500         | 43.0                     | 96.8 | 98.2 | 99.1 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| IV 1200         | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000         | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900          | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800          | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700          | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600          | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500          | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400          | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300          | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200          | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100          | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0            | 43.0                     | 96.9 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263  
STATION

MCSULP-C KCREA/CHEJU-DO ROK K-39  
STATION NAME

54-66  
YEARS

AGV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-1800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |       |       |       |       |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ 5/8 | ≥ ½   | ≥ 5/16 | ≥ ¼   | ≥ 1/8 |
| NO CEILING      | 41.4                     | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5   | 48.5  | 48.5  |
| ≥ 20000         | 44.9                     | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  | 53.4   | 53.4  | 53.4  |
| 18000           | 45.2                     | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8   | 53.8  | 53.8  |
| 16000           | 45.9                     | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6  | 54.6  | 54.6  | 54.6  | 54.6  | 54.6  | 54.6   | 54.6  | 54.6  |
| 14000           | 47.1                     | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  | 55.9   | 55.9  | 55.9  |
| 12000           | 50.6                     | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9   | 59.9  | 59.9  |
| 10000           | 52.9                     | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6  | 63.6  | 63.6  | 63.6  | 63.6  | 63.6  | 63.6   | 63.6  | 63.6  |
| 9000            | 53.3                     | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3   | 64.3  | 64.3  |
| 8000            | 55.0                     | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7   | 67.7  | 67.7  |
| 7000            | 55.2                     | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1   | 68.1  | 68.1  |
| 6000            | 55.5                     | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2   | 69.2  | 69.2  |
| 5000            | 56.7                     | 71.8 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0   | 72.0  | 72.0  |
| 4500            | 57.7                     | 74.0 | 74.1 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4   | 74.4  | 74.4  |
| 4000            | 62.7                     | 82.2 | 82.4 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7   | 82.7  | 82.7  |
| 3500            | 64.1                     | 86.2 | 86.4 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9  | 86.9  | 86.9  | 86.9  | 86.9  | 86.9  | 86.9   | 86.9  | 86.9  |
| 3000            | 67.1                     | 93.0 | 93.3 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1   | 94.1  | 94.1  |
| 2500            | 67.4                     | 95.5 | 96.4 | 97.3 | 97.5 | 97.5 | 97.6 | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  | 97.7   | 97.7  | 97.7  |
| 2000            | 67.4                     | 96.2 | 97.4 | 98.3 | 98.6 | 98.6 | 98.7 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8   | 98.8  | 98.8  |
| 1800            | 67.4                     | 96.2 | 97.4 | 98.4 | 98.7 | 98.7 | 98.8 | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9   | 98.9  | 98.9  |
| 1500            | 67.4                     | 96.5 | 97.8 | 98.8 | 99.3 | 99.3 | 99.4 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5   | 99.5  | 99.5  |
| 1200            | 67.4                     | 96.6 | 97.9 | 99.0 | 99.5 | 99.5 | 99.6 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7   | 99.7  | 99.7  |
| 1000            | 67.4                     | 96.8 | 98.1 | 99.1 | 99.7 | 99.7 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| 900             | 67.4                     | 96.8 | 98.1 | 99.1 | 99.7 | 99.7 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9  |
| 800             | 67.4                     | 96.8 | 98.2 | 99.2 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 700             | 67.4                     | 96.8 | 98.2 | 99.2 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 600             | 67.4                     | 96.8 | 98.2 | 99.2 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 500             | 67.4                     | 96.8 | 98.2 | 99.2 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 400             | 67.4                     | 96.8 | 98.2 | 99.2 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 300             | 67.4                     | 96.8 | 98.2 | 99.2 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 200             | 67.4                     | 96.8 | 98.2 | 99.2 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 100             | 67.4                     | 96.8 | 98.2 | 99.2 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 0               | 67.4                     | 96.8 | 98.2 | 99.2 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

42263 MOSLIP-C KOREA/CHEJU-DO KCK K-39

54-66

ACV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

5900-410

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 44.8                     | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6  | 45.6 | 45.6  | 45.6  | 45.6  |
| ≥ 2000          | 52.9                     | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8  | 51.8 | 51.8  | 51.8  | 51.8  |
| ≥ 1800          | 51.2                     | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1  | 52.1 | 52.1  | 52.1  | 52.1  |
| ≥ 1600          | 51.6                     | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8  | 52.8 | 52.8  | 52.8  | 52.8  |
| ≥ 1400          | 53.4                     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7  |
| ≥ 1200          | 57.3                     | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9  | 58.9 | 58.9  | 58.9  | 58.9  |
| ≥ 1000          | 60.1                     | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4  | 62.4 | 62.4  | 62.4  | 62.4  |
| ≥ 900           | 60.7                     | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0  | 63.0 | 63.0  | 63.0  | 63.0  |
| ≥ 800           | 65.2                     | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9  | 67.9 | 67.9  | 67.9  | 67.9  |
| ≥ 700           | 65.7                     | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5 | 68.5  | 68.5  | 68.5  |
| ≥ 600           | 67.2                     | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3  | 70.3 | 70.3  | 70.3  | 70.3  |
| ≥ 500           | 69.5                     | 73.3 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  | 73.5 | 73.5  | 73.5  | 73.5  |
| ≥ 450           | 72.6                     | 77.4 | 77.6 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9  | 77.9 | 77.9  | 77.9  | 77.9  |
| ≥ 400           | 78.6                     | 84.7 | 85.0 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4  | 85.4 | 85.4  | 85.4  | 85.4  |
| ≥ 350           | 80.5                     | 87.3 | 87.6 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0  | 88.0 | 88.0  | 88.0  | 88.0  |
| ≥ 300           | 83.7                     | 92.6 | 93.1 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7  | 93.7 | 93.7  | 93.7  | 93.7  |
| ≥ 250           | 84.5                     | 95.1 | 95.6 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4  | 96.4 | 96.4  | 96.4  | 96.4  |
| ≥ 200           | 84.8                     | 96.2 | 96.8 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1  | 98.1 | 98.1  | 98.1  | 98.1  |
| ≥ 1800          | 84.8                     | 96.3 | 97.0 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5  | 98.5 | 98.5  | 98.5  | 98.5  |
| ≥ 1500          | 84.8                     | 96.6 | 97.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1  | 99.1  |
| ≥ 1200          | 84.8                     | 96.8 | 97.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| ≥ 1000          | 84.8                     | 96.9 | 97.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6  |
| ≥ 900           | 84.8                     | 96.9 | 97.8 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 800           | 84.8                     | 96.9 | 97.8 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 700           | 84.8                     | 96.9 | 97.8 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 600           | 84.8                     | 96.9 | 97.8 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| ≥ 500           | 84.8                     | 96.9 | 97.8 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| ≥ 400           | 84.8                     | 96.9 | 97.8 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| ≥ 300           | 84.8                     | 96.9 | 97.8 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| ≥ 200           | 84.8                     | 96.9 | 97.8 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| ≥ 100           | 84.8                     | 96.9 | 97.8 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| ≥ 0             | 84.8                     | 96.9 | 97.8 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
 CIAC, USAF  
 ASPEN, A. C. 26801

# CEILING VERSUS VISIBILITY

43263

MOSULP-O KOREA/CHEJU-DC ROK A-39

54-66

ACV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .75 | ≥ .58 | ≥ .5 | ≥ .4  | ≥ .3  | ≥ .25 |
| NO CEILING      | 40.9                     | 41.6 | 41.6 | 41.6 | 41.6 | 41.6  | 41.6 | 41.6  | 41.6  | 41.6 | 41.6  | 41.6  | 41.6 | 41.6  | 41.6  | 41.6  |
| ≥ 20000         | 47.2                     | 47.9 | 47.9 | 47.9 | 47.9 | 47.9  | 47.9 | 47.9  | 47.9  | 47.9 | 47.9  | 47.9  | 47.9 | 47.9  | 47.9  | 47.9  |
| ≥ 18000         | 47.9                     | 48.7 | 48.7 | 48.7 | 48.7 | 48.7  | 48.7 | 48.7  | 48.7  | 48.7 | 48.7  | 48.7  | 48.7 | 48.7  | 48.7  | 48.7  |
| ≥ 16000         | 49.3                     | 50.3 | 50.3 | 50.3 | 50.3 | 50.3  | 50.3 | 50.3  | 50.3  | 50.3 | 50.3  | 50.3  | 50.3 | 50.3  | 50.3  | 50.3  |
| ≥ 14000         | 50.8                     | 52.1 | 52.1 | 52.1 | 52.1 | 52.1  | 52.1 | 52.1  | 52.1  | 52.1 | 52.1  | 52.1  | 52.1 | 52.1  | 52.1  | 52.1  |
| ≥ 12000         | 54.4                     | 55.8 | 55.8 | 55.8 | 55.8 | 55.8  | 55.8 | 55.8  | 55.8  | 55.8 | 55.8  | 55.8  | 55.8 | 55.8  | 55.8  | 55.8  |
| ≥ 10000         | 57.8                     | 59.6 | 59.6 | 59.6 | 59.6 | 59.6  | 59.6 | 59.6  | 59.6  | 59.6 | 59.6  | 59.6  | 59.6 | 59.6  | 59.6  | 59.6  |
| ≥ 9000          | 58.5                     | 60.3 | 60.3 | 60.3 | 60.3 | 60.3  | 60.3 | 60.3  | 60.3  | 60.3 | 60.3  | 60.3  | 60.3 | 60.3  | 60.3  | 60.3  |
| ≥ 8000          | 60.3                     | 62.8 | 62.8 | 62.8 | 62.8 | 62.8  | 62.8 | 62.8  | 62.8  | 62.8 | 62.8  | 62.8  | 62.8 | 62.8  | 62.8  | 62.8  |
| ≥ 7000          | 60.7                     | 63.3 | 63.3 | 63.3 | 63.3 | 63.3  | 63.3 | 63.3  | 63.3  | 63.3 | 63.3  | 63.3  | 63.3 | 63.3  | 63.3  | 63.3  |
| ≥ 6000          | 62.6                     | 65.6 | 65.6 | 65.6 | 65.6 | 65.6  | 65.6 | 65.6  | 65.6  | 65.6 | 65.6  | 65.6  | 65.6 | 65.6  | 65.6  | 65.6  |
| ≥ 5000          | 65.3                     | 68.7 | 68.7 | 68.7 | 68.7 | 68.7  | 68.7 | 68.7  | 68.7  | 68.7 | 68.7  | 68.7  | 68.7 | 68.7  | 68.7  | 68.7  |
| ≥ 4500          | 69.1                     | 73.6 | 73.6 | 73.7 | 73.7 | 73.7  | 73.8 | 73.8  | 73.8  | 73.8 | 73.8  | 73.8  | 73.8 | 73.8  | 73.8  | 73.8  |
| ≥ 4000          | 76.3                     | 82.3 | 82.5 | 82.6 | 82.6 | 82.6  | 82.7 | 82.7  | 82.7  | 82.7 | 82.7  | 82.7  | 82.7 | 82.7  | 82.7  | 82.7  |
| ≥ 3500          | 79.1                     | 86.8 | 86.9 | 87.2 | 87.3 | 87.3  | 87.4 | 87.4  | 87.4  | 87.4 | 87.4  | 87.4  | 87.4 | 87.4  | 87.4  | 87.4  |
| ≥ 3000          | 83.0                     | 93.4 | 93.8 | 94.2 | 94.3 | 94.3  | 94.4 | 94.4  | 94.4  | 94.4 | 94.4  | 94.4  | 94.4 | 94.4  | 94.4  | 94.4  |
| ≥ 2500          | 83.7                     | 96.1 | 96.8 | 97.2 | 97.4 | 97.4  | 97.4 | 97.4  | 97.4  | 97.4 | 97.4  | 97.4  | 97.4 | 97.4  | 97.4  | 97.4  |
| ≥ 2000          | 83.7                     | 96.4 | 97.3 | 97.6 | 97.8 | 97.8  | 97.9 | 97.9  | 97.9  | 97.9 | 97.9  | 97.9  | 97.9 | 97.9  | 97.9  | 97.9  |
| ≥ 1800          | 83.7                     | 96.4 | 97.3 | 97.7 | 97.9 | 97.9  | 98.0 | 98.0  | 98.0  | 98.1 | 98.1  | 98.1  | 98.1 | 98.1  | 98.1  | 98.1  |
| ≥ 1500          | 83.7                     | 96.8 | 97.7 | 98.2 | 98.5 | 98.5  | 98.7 | 98.7  | 98.7  | 98.9 | 98.9  | 98.9  | 98.9 | 98.9  | 98.9  | 98.9  |
| ≥ 1200          | 83.7                     | 96.8 | 97.8 | 98.3 | 98.5 | 98.5  | 98.8 | 98.8  | 98.8  | 99.1 | 99.1  | 99.1  | 99.1 | 99.1  | 99.1  | 99.1  |
| ≥ 1000          | 83.7                     | 96.8 | 97.9 | 98.4 | 98.7 | 98.7  | 99.0 | 99.0  | 99.0  | 99.5 | 99.5  | 99.5  | 99.5 | 99.5  | 99.5  | 99.5  |
| ≥ 900           | 83.7                     | 96.9 | 97.9 | 98.5 | 98.8 | 98.8  | 99.1 | 99.1  | 99.1  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6  | 99.6  | 99.6  |
| ≥ 800           | 83.7                     | 96.9 | 97.9 | 98.5 | 98.8 | 98.8  | 99.1 | 99.1  | 99.1  | 99.6 | 99.6  | 99.6  | 99.6 | 99.7  | 99.7  | 99.7  |
| ≥ 700           | 83.7                     | 96.9 | 98.1 | 98.6 | 99.0 | 99.0  | 99.2 | 99.2  | 99.2  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8  | 99.8  |
| ≥ 600           | 83.7                     | 97.1 | 98.3 | 98.8 | 99.1 | 99.1  | 99.4 | 99.4  | 99.4  | 99.9 | 99.9  | 99.9  | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 500           | 83.7                     | 97.1 | 98.3 | 98.8 | 99.1 | 99.1  | 99.4 | 99.4  | 99.4  | 99.9 | 99.9  | 99.9  | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 400           | 83.7                     | 97.1 | 98.3 | 98.8 | 99.1 | 99.1  | 99.4 | 99.4  | 99.4  | 99.9 | 99.9  | 99.9  | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 300           | 83.7                     | 97.1 | 98.3 | 98.8 | 99.1 | 99.1  | 99.4 | 99.4  | 99.4  | 99.9 | 99.9  | 99.9  | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 200           | 83.7                     | 97.1 | 98.3 | 98.8 | 99.1 | 99.1  | 99.4 | 99.4  | 99.4  | 99.9 | 99.9  | 99.9  | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 83.7                     | 97.1 | 98.3 | 98.8 | 99.1 | 99.1  | 99.4 | 99.4  | 99.4  | 99.9 | 99.9  | 99.9  | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0             | 83.7                     | 97.1 | 98.3 | 98.8 | 99.1 | 99.1  | 99.4 | 99.4  | 99.4  | 99.9 | 99.9  | 99.9  | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1170



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

43263 MGSLLP-O KOREA/CHEJU-DC RCK K-39 54-66

ACV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |      |       |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|------|-------|------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.2 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING      | 40.6                     | 42.5 | 42.5 | 42.5 | 42.5 | 42.5  | 42.5 | 42.5  | 42.5  | 42.5 | 42.5  | 42.5 | 42.5  | 42.5 | 42.5  | 42.5  |
| ≥ 20000         | 46.4                     | 49.1 | 49.1 | 49.1 | 49.1 | 49.1  | 49.1 | 49.1  | 49.1  | 49.1 | 49.1  | 49.1 | 49.1  | 49.1 | 49.1  | 49.1  |
| IV 18000        | 47.0                     | 49.7 | 49.7 | 49.7 | 49.7 | 49.7  | 49.7 | 49.7  | 49.7  | 49.7 | 49.7  | 49.7 | 49.7  | 49.7 | 49.7  | 49.7  |
| IV 16000        | 48.5                     | 51.5 | 51.5 | 51.5 | 51.5 | 51.5  | 51.5 | 51.5  | 51.5  | 51.5 | 51.5  | 51.5 | 51.5  | 51.5 | 51.5  | 51.5  |
| IV 14000        | 49.9                     | 53.0 | 53.0 | 53.0 | 53.0 | 53.0  | 53.0 | 53.0  | 53.0  | 53.0 | 53.0  | 53.0 | 53.0  | 53.0 | 53.0  | 53.0  |
| IV 12000        | 53.4                     | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  | 56.7 | 56.7  | 56.7  | 56.7 | 56.7  | 56.7 | 56.7  | 56.7 | 56.7  | 56.7  |
| IV 10000        | 57.2                     | 61.4 | 61.4 | 61.4 | 61.4 | 61.4  | 61.4 | 61.4  | 61.4  | 61.4 | 61.4  | 61.4 | 61.4  | 61.4 | 61.4  | 61.4  |
| IV 9000         | 57.5                     | 61.7 | 61.7 | 61.7 | 61.7 | 61.7  | 61.7 | 61.7  | 61.7  | 61.7 | 61.7  | 61.7 | 61.7  | 61.7 | 61.7  | 61.7  |
| IV 8000         | 60.1                     | 65.1 | 65.2 | 65.2 | 65.2 | 65.2  | 65.2 | 65.2  | 65.2  | 65.2 | 65.2  | 65.2 | 65.2  | 65.2 | 65.2  | 65.2  |
| IV 7000         | 60.3                     | 65.7 | 65.8 | 65.8 | 65.8 | 65.8  | 65.8 | 65.8  | 65.8  | 65.8 | 65.8  | 65.8 | 65.8  | 65.8 | 65.8  | 65.8  |
| IV 6000         | 61.5                     | 67.0 | 67.2 | 67.2 | 67.2 | 67.2  | 67.2 | 67.2  | 67.2  | 67.2 | 67.2  | 67.2 | 67.2  | 67.2 | 67.2  | 67.2  |
| IV 5000         | 63.3                     | 69.4 | 69.6 | 69.6 | 69.6 | 69.6  | 69.6 | 69.6  | 69.6  | 69.6 | 69.6  | 69.6 | 69.6  | 69.6 | 69.6  | 69.6  |
| IV 4500         | 66.4                     | 74.2 | 74.4 | 74.5 | 74.5 | 74.5  | 74.6 | 74.6  | 74.6  | 74.6 | 74.6  | 74.6 | 74.6  | 74.6 | 74.6  | 74.6  |
| IV 4000         | 72.4                     | 82.4 | 82.9 | 83.0 | 83.0 | 83.0  | 83.1 | 83.1  | 83.1  | 83.1 | 83.1  | 83.1 | 83.1  | 83.1 | 83.1  | 83.1  |
| IV 3500         | 74.8                     | 87.3 | 87.9 | 88.0 | 88.0 | 88.0  | 88.1 | 88.1  | 88.1  | 88.1 | 88.1  | 88.1 | 88.1  | 88.1 | 88.1  | 88.1  |
| IV 3000         | 78.2                     | 93.8 | 94.5 | 94.6 | 94.6 | 94.6  | 94.7 | 94.7  | 94.7  | 94.7 | 94.7  | 94.7 | 94.7  | 94.7 | 94.7  | 94.7  |
| IV 2500         | 78.8                     | 95.5 | 96.6 | 96.8 | 96.8 | 96.8  | 96.9 | 96.9  | 96.9  | 96.9 | 96.9  | 96.9 | 96.9  | 96.9 | 96.9  | 96.9  |
| IV 2000         | 79.0                     | 96.2 | 97.5 | 97.9 | 97.9 | 97.9  | 97.9 | 97.9  | 97.9  | 97.9 | 97.9  | 97.9 | 97.9  | 97.9 | 97.9  | 97.9  |
| IV 1800         | 79.0                     | 96.2 | 97.6 | 97.9 | 97.9 | 97.9  | 98.0 | 98.0  | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0  |
| IV 1500         | 79.0                     | 96.2 | 97.6 | 98.1 | 98.3 | 98.3  | 98.4 | 98.4  | 98.4  | 98.4 | 98.4  | 98.4 | 98.4  | 98.4 | 98.4  | 98.4  |
| IV 1200         | 79.0                     | 96.3 | 97.7 | 98.4 | 98.5 | 98.5  | 98.7 | 98.7  | 98.7  | 98.7 | 98.9  | 98.9 | 98.9  | 98.9 | 98.9  | 98.9  |
| IV 1000         | 79.2                     | 96.6 | 97.9 | 98.6 | 98.8 | 98.8  | 99.0 | 99.0  | 99.0  | 99.0 | 99.2  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2  |
| IV 900          | 79.2                     | 96.7 | 98.0 | 98.7 | 98.9 | 98.9  | 99.1 | 99.1  | 99.1  | 99.1 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  |
| IV 800          | 79.2                     | 96.7 | 98.1 | 98.8 | 99.0 | 99.0  | 99.2 | 99.2  | 99.2  | 99.2 | 99.5  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  |
| IV 700          | 79.2                     | 96.7 | 98.2 | 98.9 | 99.1 | 99.1  | 99.3 | 99.3  | 99.3  | 99.3 | 99.6  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  |
| IV 600          | 79.2                     | 96.8 | 98.3 | 99.0 | 99.1 | 99.1  | 99.4 | 99.4  | 99.4  | 99.4 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  |
| IV 500          | 79.2                     | 96.8 | 98.3 | 99.0 | 99.3 | 99.3  | 99.6 | 99.6  | 99.6  | 99.6 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  |
| IV 400          | 79.2                     | 96.8 | 98.3 | 99.0 | 99.3 | 99.3  | 99.6 | 99.6  | 99.6  | 99.6 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  |
| IV 300          | 79.2                     | 96.8 | 98.3 | 99.0 | 99.3 | 99.3  | 99.6 | 99.6  | 99.6  | 99.6 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  |
| IV 200          | 79.2                     | 96.8 | 98.3 | 99.0 | 99.3 | 99.3  | 99.6 | 99.6  | 99.6  | 99.6 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  |
| IV 100          | 79.2                     | 96.8 | 98.3 | 99.0 | 99.3 | 99.3  | 99.6 | 99.6  | 99.6  | 99.6 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  |
| IV 0            | 79.2                     | 96.8 | 98.3 | 99.0 | 99.3 | 99.3  | 99.6 | 99.6  | 99.6  | 99.6 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43283

MCSLLP-C KOREA/CHEJU-DO ROK K-39

54-66

ACV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-00

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 28.7                     | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6  | 53.6 | 53.6  | 53.6  | 53.6  |
| ≥ 20000         | 40.1                     | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8  | 56.8 | 56.8  | 56.8  | 56.8  |
| ≥ 18000         | 41.0                     | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8  | 57.8 | 57.8  | 57.8  | 57.8  |
| ≥ 16000         | 42.1                     | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0  | 59.0 | 59.0  | 59.0  | 59.0  |
| ≥ 14000         | 43.9                     | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4  | 61.4 | 61.4  | 61.4  | 61.4  |
| ≥ 12000         | 45.6                     | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1  | 64.1 | 64.1  | 64.1  | 64.1  |
| ≥ 10000         | 47.9                     | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9  | 67.9 | 67.9  | 67.9  | 67.9  |
| ≥ 9000          | 48.0                     | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2 | 68.2  | 68.2  | 68.2  |
| ≥ 8000          | 48.9                     | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7  | 69.7 | 69.7  | 69.7  | 69.7  |
| ≥ 7000          | 48.9                     | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9  | 69.9 | 69.9  | 69.9  | 69.9  |
| ≥ 6000          | 49.2                     | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5  | 70.5 | 70.5  | 70.5  | 70.5  |
| ≥ 5000          | 50.2                     | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8  | 72.8 | 72.8  | 72.8  | 72.8  |
| ≥ 4500          | 51.4                     | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2  | 76.2 | 76.2  | 76.2  | 76.2  |
| ≥ 4000          | 55.0                     | 82.6 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0  | 83.0 | 83.0  | 83.0  | 83.0  |
| ≥ 3500          | 56.5                     | 87.4 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2  | 88.2 | 88.2  | 88.2  | 88.2  |
| ≥ 3000          | 58.6                     | 93.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0  | 95.0 | 95.0  | 95.0  | 95.0  |
| ≥ 2500          | 59.2                     | 96.2 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0  | 98.0 | 98.0  | 98.0  | 98.0  |
| ≥ 2000          | 59.2                     | 96.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5  | 98.5 | 98.5  | 98.5  | 98.5  |
| ≥ 1800          | 59.2                     | 96.3 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6  | 98.6 | 98.6  | 98.6  | 98.6  |
| ≥ 1500          | 59.2                     | 96.7 | 98.6 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| ≥ 1200          | 59.2                     | 96.8 | 98.7 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5  | 99.5 | 99.5  | 99.5  | 99.5  |
| ≥ 1000          | 59.2                     | 96.8 | 98.7 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5  | 99.5 | 99.5  | 99.5  | 99.5  |
| ≥ 900           | 59.2                     | 96.8 | 98.8 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6  |
| ≥ 800           | 59.2                     | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 700           | 59.2                     | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 600           | 59.2                     | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 500           | 59.2                     | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 400           | 59.2                     | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 300           | 59.2                     | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 200           | 59.2                     | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 100           | 59.2                     | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |
| ≥ 0             | 59.2                     | 97.0 | 99.0 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

41263 - MUSLIT-C KCREA/CFEJU-DD RCK K-39

54-66

NCV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |      |       |       |      |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|------|-------|-------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.2 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 |
| NO CEILING      | 37.1                     | 59.7 | 59.7 | 59.7 | 59.7 | 59.7  | 59.7 | 59.7  | 59.7  | 59.7 | 59.7  | 59.7 | 59.7  | 59.7  | 59.7 | 59.7  |
| ≥ 20000         | 38.2                     | 61.7 | 61.8 | 61.8 | 61.8 | 61.8  | 61.8 | 61.8  | 61.8  | 61.8 | 61.8  | 61.8 | 61.8  | 61.8  | 61.8 | 61.8  |
| ≥ 18000         | 38.2                     | 62.1 | 62.2 | 62.2 | 62.2 | 62.2  | 62.2 | 62.2  | 62.2  | 62.2 | 62.2  | 62.2 | 62.2  | 62.2  | 62.2 | 62.2  |
| ≥ 16000         | 38.5                     | 62.7 | 62.8 | 62.8 | 62.8 | 62.8  | 62.8 | 62.8  | 62.8  | 62.8 | 62.8  | 62.8 | 62.8  | 62.8  | 62.8 | 62.8  |
| ≥ 14000         | 39.4                     | 64.7 | 64.8 | 64.8 | 64.8 | 64.8  | 64.8 | 64.8  | 64.8  | 64.8 | 64.8  | 64.8 | 64.8  | 64.8  | 64.8 | 64.8  |
| ≥ 12000         | 40.1                     | 67.4 | 67.4 | 67.4 | 67.4 | 67.4  | 67.4 | 67.4  | 67.4  | 67.4 | 67.4  | 67.4 | 67.4  | 67.4  | 67.4 | 67.4  |
| ≥ 10000         | 41.7                     | 70.5 | 70.6 | 70.6 | 70.6 | 70.6  | 70.6 | 70.6  | 70.6  | 70.6 | 70.6  | 70.6 | 70.6  | 70.6  | 70.6 | 70.6  |
| ≥ 9000          | 41.7                     | 70.7 | 70.8 | 70.8 | 70.8 | 70.8  | 70.8 | 70.8  | 70.8  | 70.8 | 70.8  | 70.8 | 70.8  | 70.8  | 70.8 | 70.8  |
| ≥ 8000          | 41.9                     | 71.2 | 71.3 | 71.3 | 71.3 | 71.3  | 71.3 | 71.3  | 71.3  | 71.3 | 71.3  | 71.3 | 71.3  | 71.3  | 71.3 | 71.3  |
| ≥ 7000          | 42.0                     | 71.7 | 71.8 | 71.8 | 71.8 | 71.8  | 71.8 | 71.8  | 71.8  | 71.8 | 71.8  | 71.8 | 71.8  | 71.8  | 71.8 | 71.8  |
| ≥ 6000          | 42.1                     | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6 | 72.6  | 72.6  | 72.6 | 72.6  | 72.6 | 72.6  | 72.6  | 72.6 | 72.6  |
| ≥ 5500          | 43.1                     | 74.9 | 75.0 | 75.0 | 75.0 | 75.0  | 75.0 | 75.0  | 75.0  | 75.0 | 75.0  | 75.0 | 75.0  | 75.0  | 75.0 | 75.0  |
| ≥ 4500          | 43.1                     | 78.0 | 78.3 | 78.3 | 78.3 | 78.3  | 78.3 | 78.3  | 78.3  | 78.3 | 78.3  | 78.3 | 78.3  | 78.3  | 78.3 | 78.3  |
| ≥ 4000          | 45.7                     | 84.3 | 84.7 | 84.7 | 84.7 | 84.7  | 84.7 | 84.7  | 84.7  | 84.7 | 84.7  | 84.7 | 84.7  | 84.7  | 84.7 | 84.7  |
| ≥ 3500          | 46.2                     | 88.1 | 89.0 | 89.0 | 89.1 | 89.1  | 89.1 | 89.1  | 89.1  | 89.1 | 89.1  | 89.1 | 89.1  | 89.1  | 89.1 | 89.1  |
| ≥ 3000          | 48.4                     | 94.4 | 95.6 | 95.9 | 96.1 | 96.1  | 96.1 | 96.1  | 96.1  | 96.1 | 96.1  | 96.1 | 96.1  | 96.1  | 96.1 | 96.1  |
| ≥ 2500          | 48.6                     | 96.2 | 97.5 | 98.0 | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3 | 98.3  |
| ≥ 2000          | 48.6                     | 96.3 | 97.8 | 98.8 | 99.2 | 99.2  | 99.2 | 99.2  | 99.2  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2  | 99.2 | 99.2  |
| ≥ 1800          | 48.6                     | 96.3 | 97.8 | 98.8 | 99.2 | 99.2  | 99.2 | 99.2  | 99.2  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2  | 99.2 | 99.2  |
| ≥ 1500          | 48.6                     | 96.3 | 97.8 | 98.8 | 99.2 | 99.2  | 99.2 | 99.2  | 99.2  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2  | 99.2 | 99.2  |
| ≥ 1200          | 48.6                     | 96.7 | 98.1 | 99.4 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 | 99.8  |
| ≥ 1000          | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 900           | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 800           | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 700           | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 600           | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 500           | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 400           | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 300           | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 200           | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 100           | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |
| ≥ 0             | 48.6                     | 96.7 | 98.1 | 99.5 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9  | 99.9 | 99.9  |

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

41203 MCSLLP-Q KOREA/CHEJU-OG ROK K-39

54-66

DEL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET       | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |      |
|-----------------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|------|
|                       | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0  |
| NO CEILING<br>≥ 20000 | 16.3                       | 31.9 | 31.9 | 31.9 | 31.9 | 31.9  | 31.9 | 31.9  | 31.9 | 31.9  | 31.9 | 31.9  | 31.9 | 31.9  | 31.9  | 31.9 |
| IV 18700              | 16.3                       | 34.2 | 34.2 | 34.2 | 34.2 | 34.2  | 34.2 | 34.2  | 34.2 | 34.2  | 34.2 | 34.2  | 34.2 | 34.2  | 34.2  | 34.2 |
| IV 16000              | 16.3                       | 34.6 | 34.6 | 34.6 | 34.6 | 34.6  | 34.6 | 34.6  | 34.6 | 34.6  | 34.6 | 34.6  | 34.6 | 34.6  | 34.6  | 34.6 |
| IV 14000              | 17.0                       | 35.2 | 35.2 | 35.2 | 35.2 | 35.2  | 35.2 | 35.2  | 35.2 | 35.2  | 35.2 | 35.2  | 35.2 | 35.2  | 35.2  | 35.2 |
| IV 12000              | 18.2                       | 37.7 | 37.7 | 37.7 | 37.7 | 37.7  | 37.7 | 37.7  | 37.7 | 37.7  | 37.7 | 37.7  | 37.7 | 37.7  | 37.7  | 37.7 |
| IV 10000              | 19.4                       | 40.9 | 41.1 | 41.1 | 41.1 | 41.1  | 41.1 | 41.1  | 41.1 | 41.1  | 41.1 | 41.1  | 41.1 | 41.1  | 41.1  | 41.1 |
| IV 9000               | 19.5                       | 40.9 | 41.2 | 41.2 | 41.2 | 41.2  | 41.2 | 41.2  | 41.2 | 41.2  | 41.2 | 41.2  | 41.2 | 41.2  | 41.2  | 41.2 |
| IV 8000               | 20.5                       | 43.4 | 43.7 | 43.7 | 43.7 | 43.7  | 43.7 | 43.7  | 43.7 | 43.7  | 43.7 | 43.7  | 43.7 | 43.7  | 43.7  | 43.7 |
| IV 7000               | 21.4                       | 44.7 | 44.9 | 44.9 | 44.9 | 44.9  | 44.9 | 44.9  | 44.9 | 44.9  | 44.9 | 44.9  | 44.9 | 44.9  | 44.9  | 44.9 |
| IV 6000               | 22.0                       | 45.9 | 46.2 | 46.2 | 46.2 | 46.2  | 46.2 | 46.2  | 46.2 | 46.2  | 46.2 | 46.2  | 46.2 | 46.2  | 46.2  | 46.2 |
| IV 5000               | 24.3                       | 50.0 | 50.2 | 50.2 | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2  | 50.2  | 50.2 |
| IV 4500               | 25.2                       | 55.9 | 56.3 | 56.3 | 56.3 | 56.3  | 56.4 | 56.4  | 56.4 | 56.4  | 56.4 | 56.4  | 56.4 | 56.4  | 56.4  | 56.4 |
| IV 4000               | 31.0                       | 70.8 | 71.5 | 71.6 | 71.6 | 71.6  | 71.8 | 71.8  | 71.8 | 71.8  | 71.8 | 71.8  | 71.8 | 71.8  | 71.8  | 71.8 |
| IV 3500               | 33.0                       | 77.8 | 78.6 | 78.7 | 78.7 | 78.7  | 78.9 | 78.9  | 78.9 | 78.9  | 78.9 | 78.9  | 78.9 | 78.9  | 78.9  | 78.9 |
| IV 3000               | 41.5                       | 93.6 | 94.9 | 95.0 | 95.2 | 95.2  | 95.5 | 95.5  | 95.5 | 95.5  | 95.5 | 95.5  | 95.5 | 95.5  | 95.5  | 95.5 |
| IV 2500               | 41.7                       | 96.7 | 98.2 | 98.7 | 99.0 | 99.0  | 99.3 | 99.3  | 99.3 | 99.3  | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3 |
| IV 2000               | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6 |
| IV 1800               | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 1500               | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 1200               | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 1000               | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 900                | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 800                | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 700                | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 600                | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 500                | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 400                | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 300                | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 200                | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 100                | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |
| IV 0                  | 41.7                       | 96.8 | 98.4 | 98.9 | 99.3 | 99.3  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

44263

MCSLLP-D KGR-A/CHEJU-DO ROK K-39

54-66

DEC

STATION

STATION NAME

YEARS

0300-500

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |       |      |       |       |      |       |      |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|-------|-------|------|-------|------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.4 | ≥ 1  | ≥ .75 | ≥ .58 | ≥ .5 | ≥ .36 | ≥ .3 | ≥ .25 |
| NO CEILING      | 16.1                     | 32.6 | 32.6 | 32.6 | 32.6 | 32.6  | 32.6 | 32.6  | 32.6  | 32.6 | 32.6  | 32.6  | 32.6 | 32.6  | 32.6 | 32.6  |
| ≥ 20000         | 16.5                     | 34.8 | 34.8 | 34.8 | 34.8 | 34.8  | 34.8 | 34.8  | 34.8  | 34.8 | 34.8  | 34.8  | 34.8 | 34.8  | 34.8 | 34.8  |
| IV 18000        | 16.7                     | 35.2 | 35.2 | 35.2 | 35.2 | 35.2  | 35.2 | 35.2  | 35.2  | 35.2 | 35.2  | 35.2  | 35.2 | 35.2  | 35.2 | 35.2  |
| IV 16000        | 16.7                     | 35.2 | 35.2 | 35.2 | 35.2 | 35.2  | 35.2 | 35.2  | 35.2  | 35.2 | 35.2  | 35.2  | 35.2 | 35.2  | 35.2 | 35.2  |
| IV 14000        | 17.1                     | 36.1 | 36.1 | 36.1 | 36.1 | 36.1  | 36.1 | 36.1  | 36.1  | 36.1 | 36.1  | 36.1  | 36.1 | 36.1  | 36.1 | 36.1  |
| IV 12000        | 17.9                     | 38.5 | 38.5 | 38.5 | 38.5 | 38.5  | 38.5 | 38.5  | 38.5  | 38.5 | 38.5  | 38.5  | 38.5 | 38.5  | 38.5 | 38.5  |
| IV 10000        | 18.9                     | 41.8 | 41.8 | 41.8 | 41.8 | 41.8  | 41.8 | 41.8  | 41.8  | 41.8 | 41.8  | 41.8  | 41.8 | 41.8  | 41.8 | 41.8  |
| IV 9000         | 19.0                     | 41.9 | 41.9 | 41.9 | 41.9 | 41.9  | 41.9 | 41.9  | 41.9  | 41.9 | 41.9  | 41.9  | 41.9 | 41.9  | 41.9 | 41.9  |
| IV 8000         | 19.9                     | 44.1 | 44.1 | 44.1 | 44.1 | 44.1  | 44.1 | 44.1  | 44.1  | 44.1 | 44.1  | 44.1  | 44.1 | 44.1  | 44.1 | 44.1  |
| IV 7000         | 20.8                     | 45.2 | 45.2 | 45.2 | 45.2 | 45.2  | 45.2 | 45.2  | 45.2  | 45.2 | 45.2  | 45.2  | 45.2 | 45.2  | 45.2 | 45.2  |
| IV 6000         | 21.3                     | 46.9 | 47.1 | 47.1 | 47.1 | 47.1  | 47.1 | 47.1  | 47.1  | 47.1 | 47.1  | 47.1  | 47.1 | 47.1  | 47.1 | 47.1  |
| IV 5000         | 23.2                     | 51.4 | 51.5 | 51.5 | 51.5 | 51.5  | 51.5 | 51.5  | 51.5  | 51.5 | 51.5  | 51.5  | 51.5 | 51.5  | 51.5 | 51.5  |
| IV 4500         | 24.0                     | 55.6 | 56.0 | 56.0 | 56.0 | 56.0  | 56.0 | 56.0  | 56.0  | 56.0 | 56.0  | 56.0  | 56.0 | 56.0  | 56.0 | 56.0  |
| IV 4000         | 30.9                     | 72.0 | 72.8 | 73.0 | 73.0 | 73.0  | 73.1 | 73.1  | 73.1  | 73.1 | 73.1  | 73.1  | 73.1 | 73.1  | 73.1 | 73.1  |
| IV 3500         | 32.3                     | 80.1 | 81.0 | 81.4 | 81.5 | 81.5  | 81.6 | 81.6  | 81.6  | 81.6 | 81.6  | 81.6  | 81.6 | 81.6  | 81.6 | 81.6  |
| IV 3000         | 39.1                     | 93.2 | 94.5 | 95.2 | 95.3 | 95.3  | 95.5 | 95.5  | 95.5  | 95.5 | 95.5  | 95.5  | 95.5 | 95.5  | 95.5 | 95.5  |
| IV 2500         | 39.8                     | 96.4 | 97.7 | 98.4 | 98.5 | 98.5  | 98.7 | 98.7  | 98.7  | 98.8 | 98.8  | 98.8  | 98.8 | 98.8  | 99.1 | 99.1  |
| IV 2000         | 39.8                     | 96.5 | 97.8 | 98.8 | 98.9 | 98.9  | 99.1 | 99.1  | 99.1  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3  | 99.6 | 99.6  |
| IV 1800         | 39.8                     | 96.5 | 97.8 | 98.8 | 98.9 | 98.9  | 99.1 | 99.1  | 99.1  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3  | 99.6 | 99.6  |
| IV 1500         | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.7  | 99.9 | 99.9  |
| IV 1200         | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.7  | 99.9 | 99.9  |
| IV 1000         | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 900          | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 800          | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 700          | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 600          | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 500          | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 400          | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 300          | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 200          | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 100          | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |
| IV 0            | 39.8                     | 96.6 | 97.9 | 99.2 | 99.3 | 99.3  | 99.4 | 99.4  | 99.4  | 99.7 | 99.7  | 99.7  | 99.7 | 99.8  | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1204

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MGSLLP-0 KORCA/CHEJU-DD ROK K-39

54-66

DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

4600-2800

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ 1/4 | ≥ 1/8 |
| NO CEILING      | 18.9                     | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5  | 26.5 | 26.5  | 26.5  | 26.5  |
| ≥ 20000         | 21.1                     | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7  | 30.7 | 30.7  | 30.7  | 30.7  |
| IV 18000        | 21.2                     | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8  | 30.8 | 30.8  | 30.8  | 30.8  |
| IV 16000        | 21.3                     | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9  | 30.9 | 30.9  | 30.9  | 30.9  |
| IV 14000        | 21.8                     | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2  | 32.2 | 32.2  | 32.2  | 32.2  |
| IV 12000        | 24.3                     | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6  | 36.6 | 36.6  | 36.6  | 36.6  |
| IV 10000        | 26.3                     | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8  | 39.8 | 39.8  | 39.8  | 39.8  |
| IV 9000         | 26.7                     | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2  | 40.2 | 40.2  | 40.2  | 40.2  |
| IV 8000         | 28.0                     | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4  | 42.4 | 42.4  | 42.4  | 42.4  |
| IV 7000         | 28.7                     | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5  | 43.5 | 43.5  | 43.5  | 43.5  |
| IV 6000         | 29.4                     | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7  | 44.7 | 44.7  | 44.7  | 44.7  |
| IV 5000         | 32.0                     | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2  | 49.2 | 49.2  | 49.2  | 49.2  |
| IV 4500         | 34.2                     | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7  |
| IV 4000         | 41.3                     | 68.8 | 69.1 | 69.2 | 69.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4  | 69.4 | 69.4  | 69.4  | 69.4  |
| IV 3500         | 44.0                     | 78.2 | 78.5 | 78.7 | 78.8 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0  | 79.0 | 79.0  | 79.0  | 79.0  |
| IV 3000         | 41.4                     | 91.8 | 92.7 | 93.1 | 93.6 | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9  | 93.9 | 93.9  | 93.9  | 93.9  |
| IV 2500         | 52.9                     | 95.2 | 96.4 | 96.9 | 97.6 | 97.7 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1  | 98.1 | 98.1  | 98.1  | 98.1  |
| IV 2000         | 53.4                     | 95.9 | 97.2 | 97.8 | 98.7 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 1800         | 53.4                     | 95.9 | 97.2 | 97.8 | 98.7 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  |
| IV 1500         | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 1200         | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 1000         | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 900          | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 800          | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 700          | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 600          | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 500          | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 400          | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 300          | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 200          | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 100          | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |
| IV 0            | 53.6                     | 96.4 | 97.6 | 98.3 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

42263

RESULP-C KOPNA/CHEJU-DC RCK K-34

54-66

DFC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ 1/2 | ≥ 3/8 | ≥ 1/4 | ≥ 0   |
| NO CEILING      | 23.4                     | 25.9 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0  | 26.0  | 26.0  | 26.0  | 26.0  |
| ≥ 20000         | 27.2                     | 30.8 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9  | 30.9  | 30.9  | 30.9  | 30.9  |
| ≥ 18000         | 27.6                     | 31.2 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3  | 31.3  | 31.3  | 31.3  | 31.3  |
| ≥ 16000         | 27.6                     | 31.2 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3  | 31.3  | 31.3  | 31.3  | 31.3  |
| ≥ 14000         | 28.4                     | 32.4 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5  | 32.5  | 32.5  | 32.5  | 32.5  |
| ≥ 12000         | 33.2                     | 37.2 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3  | 37.3  | 37.3  | 37.3  | 37.3  |
| ≥ 10000         | 36.6                     | 41.0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1  | 41.1  | 41.1  | 41.1  | 41.1  |
| ≥ 9000          | 36.7                     | 41.1 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2  | 41.2  | 41.2  | 41.2  | 41.2  |
| ≥ 8000          | 39.1                     | 44.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  |
| ≥ 7000          | 39.3                     | 44.6 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7  | 44.7  | 44.7  | 44.7  | 44.7  |
| ≥ 6000          | 41.1                     | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1  | 47.1  | 47.1  | 47.1  | 47.1  |
| ≥ 5000          | 44.8                     | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  |
| ≥ 4500          | 49.6                     | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  |
| ≥ 4000          | 58.2                     | 71.6 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  |
| ≥ 3500          | 61.9                     | 79.4 | 80.1 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4  | 80.4  | 80.4  | 80.4  | 80.4  |
| ≥ 3000          | 69.8                     | 90.7 | 91.8 | 92.1 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  |
| ≥ 2500          | 71.4                     | 94.4 | 95.8 | 96.3 | 96.9 | 96.9 | 97.0 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  |
| ≥ 2000          | 71.6                     | 94.7 | 96.1 | 96.8 | 97.4 | 97.4 | 97.8 | 97.9 | 97.9 | 98.1 | 98.1 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| ≥ 1800          | 71.6                     | 95.2 | 96.6 | 97.3 | 98.0 | 98.0 | 98.3 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7  | 98.9  | 98.9  | 98.9  | 98.9  |
| ≥ 1500          | 71.7                     | 95.7 | 97.1 | 97.8 | 98.6 | 98.6 | 98.9 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3  | 99.5  | 99.5  | 99.6  | 99.6  |
| ≥ 1200          | 71.8                     | 95.9 | 97.3 | 97.9 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5  | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 1000          | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 900           | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 800           | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 700           | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 600           | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 500           | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 400           | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 300           | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 200           | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 100           | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |
| ≥ 0             | 71.9                     | 95.9 | 97.4 | 98.0 | 98.9 | 98.9 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7  | 99.9  | 99.9  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

42263 STATION MCSLLP-C KOREA/CHEJU-DO ROK K-39 54-60 VIARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>Feet | VISIBILITY STATUTE MILES |      |      |      |      |         |      |         |         |      |       |       |       |        |       |      |
|-----------------|--------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2 1/2 | ≥ 2  | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1  | ≥ 3/4 | ≥ 5/8 | ≥ 1/2 | ≥ 3/16 | ≥ 1/4 | ≥ 0  |
| NO CEILING      | 22.9                     | 24.9 | 24.9 | 24.9 | 24.9 | 24.9    | 24.9 | 24.9    | 24.9    | 24.9 | 24.9  | 24.9  | 24.9  | 24.9   | 24.9  | 24.9 |
| ≥ 20000         | 26.9                     | 29.4 | 29.4 | 29.4 | 29.4 | 29.4    | 29.4 | 29.4    | 29.4    | 29.4 | 29.4  | 29.4  | 29.4  | 29.4   | 29.4  | 29.4 |
| IV 18000        | 27.0                     | 29.5 | 29.5 | 29.5 | 29.5 | 29.5    | 29.5 | 29.5    | 29.5    | 29.5 | 29.5  | 29.5  | 29.5  | 29.5   | 29.5  | 29.5 |
| IV 16000        | 27.4                     | 29.9 | 29.9 | 29.9 | 29.9 | 29.9    | 29.9 | 29.9    | 29.9    | 29.9 | 29.9  | 29.9  | 29.9  | 29.9   | 29.9  | 29.9 |
| IV 14000        | 28.4                     | 30.9 | 30.9 | 30.9 | 30.9 | 30.9    | 30.9 | 30.9    | 30.9    | 30.9 | 30.9  | 30.9  | 30.9  | 30.9   | 30.9  | 30.9 |
| IV 12000        | 31.2                     | 34.2 | 34.2 | 34.2 | 34.2 | 34.2    | 34.2 | 34.2    | 34.2    | 34.2 | 34.2  | 34.2  | 34.2  | 34.2   | 34.2  | 34.2 |
| IV 10000        | 34.2                     | 37.6 | 37.6 | 37.6 | 37.6 | 37.6    | 37.6 | 37.6    | 37.6    | 37.6 | 37.6  | 37.6  | 37.6  | 37.6   | 37.6  | 37.6 |
| IV 9000         | 34.3                     | 37.7 | 37.7 | 37.7 | 37.7 | 37.7    | 37.7 | 37.7    | 37.7    | 37.7 | 37.7  | 37.7  | 37.7  | 37.7   | 37.7  | 37.7 |
| IV 8000         | 35.8                     | 39.6 | 39.6 | 39.6 | 39.6 | 39.6    | 39.6 | 39.6    | 39.6    | 39.6 | 39.6  | 39.6  | 39.6  | 39.6   | 39.6  | 39.6 |
| IV 7000         | 36.2                     | 40.1 | 40.1 | 40.1 | 40.1 | 40.1    | 40.1 | 40.1    | 40.1    | 40.1 | 40.1  | 40.1  | 40.1  | 40.1   | 40.1  | 40.1 |
| IV 6000         | 38.5                     | 43.1 | 43.1 | 43.1 | 43.1 | 43.1    | 43.1 | 43.1    | 43.1    | 43.1 | 43.1  | 43.1  | 43.1  | 43.1   | 43.1  | 43.1 |
| IV 5000         | 44.3                     | 49.7 | 49.7 | 49.7 | 49.7 | 49.7    | 49.7 | 49.7    | 49.7    | 49.7 | 49.7  | 49.7  | 49.7  | 49.7   | 49.7  | 49.7 |
| IV 4500         | 50.0                     | 57.2 | 57.2 | 57.2 | 57.2 | 57.2    | 57.2 | 57.2    | 57.2    | 57.2 | 57.2  | 57.2  | 57.2  | 57.2   | 57.2  | 57.2 |
| IV 4000         | 60.1                     | 70.3 | 70.3 | 70.4 | 70.4 | 70.4    | 70.4 | 70.4    | 70.4    | 70.4 | 70.4  | 70.4  | 70.4  | 70.4   | 70.4  | 70.4 |
| IV 3500         | 64.5                     | 77.8 | 78.1 | 78.4 | 78.4 | 78.4    | 78.4 | 78.4    | 78.4    | 78.4 | 78.4  | 78.4  | 78.4  | 78.4   | 78.4  | 78.4 |
| IV 3000         | 73.8                     | 91.6 | 92.5 | 92.8 | 93.0 | 93.1    | 93.1 | 93.1    | 93.1    | 93.1 | 93.1  | 93.1  | 93.1  | 93.1   | 93.1  | 93.1 |
| IV 2500         | 75.4                     | 95.5 | 96.9 | 97.4 | 97.7 | 97.8    | 97.8 | 97.8    | 97.8    | 97.8 | 97.8  | 97.8  | 97.8  | 97.8   | 97.8  | 97.8 |
| IV 2000         | 75.4                     | 95.9 | 97.8 | 98.3 | 98.7 | 98.8    | 98.8 | 98.9    | 98.9    | 98.9 | 98.9  | 98.9  | 98.9  | 98.9   | 98.9  | 98.9 |
| IV 1800         | 75.4                     | 96.1 | 97.9 | 98.5 | 98.8 | 99.0    | 99.0 | 99.1    | 99.1    | 99.1 | 99.1  | 99.1  | 99.1  | 99.1   | 99.1  | 99.1 |
| IV 1500         | 75.6                     | 96.5 | 98.3 | 98.9 | 99.3 | 99.4    | 99.5 | 99.6    | 99.6    | 99.6 | 99.6  | 99.6  | 99.6  | 99.6   | 99.6  | 99.6 |
| IV 1200         | 75.6                     | 96.6 | 98.4 | 99.0 | 99.3 | 99.5    | 99.6 | 99.7    | 99.7    | 99.7 | 99.7  | 99.7  | 99.7  | 99.7   | 99.7  | 99.7 |
| IV 1000         | 75.7                     | 96.7 | 98.5 | 99.1 | 99.4 | 99.6    | 99.7 | 99.8    | 99.8    | 99.8 | 99.8  | 99.8  | 99.8  | 99.8   | 99.8  | 99.8 |
| IV 900          | 75.8                     | 96.8 | 98.6 | 99.2 | 99.5 | 99.7    | 99.8 | 99.8    | 99.8    | 99.8 | 99.8  | 99.8  | 99.8  | 99.8   | 99.8  | 99.8 |
| IV 800          | 75.8                     | 96.8 | 98.6 | 99.2 | 99.6 | 99.8    | 99.8 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9 |
| IV 700          | 75.8                     | 96.8 | 98.6 | 99.2 | 99.6 | 99.8    | 99.8 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9 |
| IV 600          | 75.8                     | 96.8 | 98.6 | 99.2 | 99.6 | 99.8    | 99.8 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9 |
| IV 500          | 75.8                     | 96.8 | 98.6 | 99.2 | 99.6 | 99.8    | 99.8 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9 |
| IV 400          | 75.8                     | 96.8 | 98.6 | 99.2 | 99.6 | 99.8    | 99.8 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9 |
| IV 300          | 75.8                     | 96.8 | 98.6 | 99.2 | 99.6 | 99.8    | 99.8 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9 |
| IV 200          | 75.8                     | 96.8 | 98.6 | 99.2 | 99.6 | 99.8    | 99.8 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9 |
| IV 100          | 75.8                     | 96.8 | 98.6 | 99.2 | 99.6 | 99.8    | 99.8 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9 |
| IV 0            | 75.8                     | 96.8 | 98.6 | 99.2 | 99.6 | 99.8    | 99.8 | 99.9    | 99.9    | 99.9 | 99.9  | 99.9  | 99.9  | 99.9   | 99.9  | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 1209



LATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSULP-C KOR-A/CHEJU-DO PKR K-39

54-66

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |      |       |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½  | ≥ 3/8 | ≥ ¼  | ≥ 0  |
| NO CEILING      | 23.8                     | 26.4 | 26.4 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6  | 26.6 | 26.6  | 26.6 | 26.6 |
| ≥ 20000         | 27.0                     | 30.7 | 30.7 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9  | 30.9 | 30.9  | 30.9 | 30.9 |
| IV 18000        | 27.3                     | 30.9 | 30.9 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2  | 31.2 | 31.2  | 31.2 | 31.2 |
| IV 16000        | 27.6                     | 31.3 | 31.3 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5  | 31.5 | 31.5  | 31.5 | 31.5 |
| IV 14000        | 28.6                     | 32.3 | 32.3 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6  | 32.6 | 32.6  | 32.6 | 32.6 |
| IV 12000        | 30.9                     | 35.2 | 35.2 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5  | 35.5 | 35.5  | 35.5 | 35.5 |
| IV 10000        | 33.9                     | 39.3 | 39.3 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5  | 39.5 | 39.5  | 39.5 | 39.5 |
| IV 9000         | 33.9                     | 39.3 | 39.3 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5  | 39.5 | 39.5  | 39.5 | 39.5 |
| IV 8000         | 35.6                     | 41.4 | 41.4 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7  | 41.7 | 41.7  | 41.7 | 41.7 |
| IV 7000         | 36.3                     | 42.2 | 42.2 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4  | 42.4 | 42.4  | 42.4 | 42.4 |
| IV 6000         | 37.2                     | 43.7 | 43.7 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9  | 43.9 | 43.9  | 43.9 | 43.9 |
| IV 5000         | 42.6                     | 50.0 | 50.0 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2  | 50.2 | 50.2  | 50.2 | 50.2 |
| IV 4500         | 47.7                     | 55.9 | 55.9 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2  | 56.2 | 56.2  | 56.2 | 56.2 |
| IV 4000         | 55.9                     | 68.3 | 68.7 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0  | 69.0 | 69.0  | 69.0 | 69.0 |
| IV 3500         | 59.6                     | 78.0 | 78.5 | 78.7 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9  | 78.9 | 78.9  | 78.9 | 78.9 |
| IV 3000         | 67.2                     | 88.8 | 90.2 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2  | 91.2 | 91.2  | 91.2 | 91.2 |
| IV 2500         | 68.7                     | 93.2 | 95.2 | 95.9 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4  | 96.4 | 96.4  | 96.4 | 96.4 |
| IV 2000         | 69.2                     | 94.7 | 97.1 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7 |
| IV 1800         | 69.2                     | 94.8 | 97.2 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8  | 98.8 | 98.8  | 98.8 | 98.8 |
| IV 1500         | 69.4                     | 95.4 | 97.8 | 98.8 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6 |
| IV 1200         | 69.4                     | 95.5 | 97.8 | 98.9 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 1000         | 69.4                     | 95.5 | 97.8 | 98.9 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 900          | 69.4                     | 95.5 | 97.8 | 98.9 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 800          | 69.4                     | 95.5 | 97.9 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 700          | 69.4                     | 95.5 | 97.9 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 600          | 69.4                     | 95.5 | 97.9 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 500          | 69.4                     | 95.5 | 97.9 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 400          | 69.4                     | 95.5 | 97.9 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 300          | 69.4                     | 95.5 | 97.9 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 200          | 69.4                     | 95.5 | 97.9 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 100          | 69.4                     | 95.5 | 97.9 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |
| IV 0            | 69.4                     | 95.5 | 97.9 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263 MCSLLP-D KOREA/CHEJU-DC RCK K-39 54-66

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |        |      |       |      |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|--------|------|-------|------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.25 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .16 | ≥ .1  | ≥ .05 |
| NO CEILING      | 22.0                     | 34.8 | 34.8 | 34.8 | 34.8 | 34.8  | 34.8 | 34.8  | 34.8   | 34.8 | 34.8  | 34.8 | 34.8  | 34.8  | 34.8  | 34.8  |
| ≥ 20000         | 23.6                     | 37.9 | 37.9 | 37.9 | 38.0 | 38.0  | 38.0 | 38.0  | 38.0   | 38.0 | 38.0  | 38.0 | 38.0  | 38.0  | 38.0  | 38.0  |
| ≥ 18000         | 23.6                     | 38.0 | 38.0 | 38.0 | 38.0 | 38.0  | 38.0 | 38.0  | 38.0   | 38.0 | 38.0  | 38.0 | 38.0  | 38.0  | 38.0  | 38.0  |
| ≥ 16000         | 23.9                     | 38.5 | 38.5 | 38.5 | 38.5 | 38.5  | 38.5 | 38.5  | 38.5   | 38.5 | 38.5  | 38.5 | 38.5  | 38.5  | 38.5  | 38.5  |
| ≥ 14000         | 24.2                     | 39.0 | 39.0 | 39.0 | 39.0 | 39.0  | 39.0 | 39.0  | 39.0   | 39.0 | 39.0  | 39.0 | 39.0  | 39.0  | 39.0  | 39.0  |
| ≥ 12000         | 26.0                     | 42.3 | 42.3 | 42.3 | 42.4 | 42.4  | 42.4 | 42.4  | 42.4   | 42.4 | 42.4  | 42.4 | 42.4  | 42.4  | 42.4  | 42.4  |
| ≥ 10000         | 28.2                     | 46.9 | 47.1 | 47.1 | 47.1 | 47.1  | 47.1 | 47.1  | 47.1   | 47.1 | 47.1  | 47.1 | 47.1  | 47.1  | 47.1  | 47.1  |
| ≥ 9000          | 28.4                     | 47.1 | 47.2 | 47.2 | 47.3 | 47.3  | 47.3 | 47.3  | 47.3   | 47.3 | 47.3  | 47.3 | 47.3  | 47.3  | 47.3  | 47.3  |
| ≥ 8000          | 29.4                     | 49.3 | 49.5 | 49.5 | 49.5 | 49.5  | 49.5 | 49.5  | 49.5   | 49.5 | 49.5  | 49.5 | 49.5  | 49.5  | 49.5  | 49.5  |
| ≥ 7000          | 29.9                     | 50.0 | 50.1 | 50.1 | 50.2 | 50.2  | 50.2 | 50.2  | 50.2   | 50.2 | 50.2  | 50.2 | 50.2  | 50.2  | 50.2  | 50.2  |
| ≥ 6000          | 30.1                     | 50.8 | 51.0 | 51.0 | 51.0 | 51.0  | 51.0 | 51.0  | 51.0   | 51.0 | 51.0  | 51.0 | 51.0  | 51.0  | 51.0  | 51.0  |
| ≥ 5000          | 33.3                     | 54.7 | 54.8 | 54.8 | 54.9 | 54.9  | 54.9 | 54.9  | 54.9   | 54.9 | 54.9  | 54.9 | 54.9  | 54.9  | 54.9  | 54.9  |
| ≥ 4500          | 36.2                     | 60.0 | 60.2 | 60.3 | 60.4 | 60.4  | 60.4 | 60.4  | 60.4   | 60.4 | 60.4  | 60.4 | 60.4  | 60.4  | 60.4  | 60.4  |
| ≥ 4000          | 41.0                     | 69.5 | 69.8 | 70.2 | 70.3 | 70.3  | 70.3 | 70.3  | 70.3   | 70.3 | 70.3  | 70.3 | 70.3  | 70.3  | 70.3  | 70.3  |
| ≥ 3500          | 43.8                     | 78.2 | 78.6 | 79.2 | 79.4 | 79.4  | 79.4 | 79.4  | 79.4   | 79.4 | 79.4  | 79.4 | 79.4  | 79.4  | 79.4  | 79.4  |
| ≥ 3000          | 50.7                     | 90.8 | 91.5 | 92.2 | 92.7 | 92.7  | 92.7 | 92.7  | 92.7   | 92.7 | 92.7  | 92.7 | 92.7  | 92.7  | 92.7  | 92.7  |
| ≥ 2500          | 51.9                     | 94.7 | 95.8 | 96.8 | 97.4 | 97.4  | 97.4 | 97.4  | 97.4   | 97.4 | 97.4  | 97.4 | 97.4  | 97.4  | 97.4  | 97.4  |
| ≥ 2000          | 52.4                     | 96.0 | 97.3 | 98.6 | 99.2 | 99.2  | 99.2 | 99.3  | 99.3   | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  | 99.3  |
| ≥ 1800          | 52.4                     | 96.0 | 97.3 | 98.6 | 99.2 | 99.2  | 99.2 | 99.3  | 99.3   | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3  | 99.3  |
| ≥ 1500          | 52.4                     | 96.1 | 97.4 | 98.7 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3   | 99.3 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6  | 99.6  |
| ≥ 1200          | 52.4                     | 96.1 | 97.4 | 98.7 | 99.3 | 99.3  | 99.3 | 99.4  | 99.4   | 99.7 | 99.7  | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  |
| ≥ 1000          | 52.4                     | 96.1 | 97.4 | 98.7 | 99.3 | 99.3  | 99.3 | 99.4  | 99.4   | 99.7 | 99.7  | 99.7 | 99.7  | 99.8  | 99.8  | 99.8  |
| ≥ 900           | 52.4                     | 96.1 | 97.4 | 98.8 | 99.4 | 99.4  | 99.4 | 99.5  | 99.5   | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 800           | 52.4                     | 96.1 | 97.4 | 98.8 | 99.4 | 99.4  | 99.4 | 99.5  | 99.5   | 99.8 | 99.8  | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  |
| ≥ 700           | 52.4                     | 96.1 | 97.4 | 98.9 | 99.6 | 99.6  | 99.6 | 99.7  | 99.7   | 99.9 | 99.9  | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 |
| ≥ 600           | 52.4                     | 96.1 | 97.4 | 98.9 | 99.6 | 99.6  | 99.6 | 99.7  | 99.7   | 99.9 | 99.9  | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 |
| ≥ 500           | 52.4                     | 96.1 | 97.4 | 98.9 | 99.6 | 99.6  | 99.6 | 99.7  | 99.7   | 99.9 | 99.9  | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 |
| ≥ 400           | 52.4                     | 96.1 | 97.4 | 98.9 | 99.6 | 99.6  | 99.6 | 99.7  | 99.7   | 99.9 | 99.9  | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 |
| ≥ 300           | 52.4                     | 96.1 | 97.4 | 98.9 | 99.6 | 99.6  | 99.6 | 99.7  | 99.7   | 99.9 | 99.9  | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 |
| ≥ 200           | 52.4                     | 96.1 | 97.4 | 98.9 | 99.6 | 99.6  | 99.6 | 99.7  | 99.7   | 99.9 | 99.9  | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 52.4                     | 96.1 | 97.4 | 98.9 | 99.6 | 99.6  | 99.6 | 99.7  | 99.7   | 99.9 | 99.9  | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 |
| ≥ 0             | 52.4                     | 96.1 | 97.4 | 98.9 | 99.6 | 99.6  | 99.6 | 99.7  | 99.7   | 99.9 | 99.9  | 99.9 | 99.9  | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

43263

MCSLLP-C KORIA/CHEJL-CC ROK K-39

54-66

DEC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-1300  
HOURS (EST)

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |       |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|--------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/8 | ≥ ½   | ≥ 5/16 | ≥ ¼   | ≥ 0   |
| NO CEILING      | 19.1                     | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7  | 37.7  | 37.7   | 37.7  | 37.7  |
| ≥ 20000         | 19.8                     | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2  | 40.2  | 40.2   | 40.2  | 40.2  |
| IV 18000        | 19.8                     | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2  | 40.2  | 40.2   | 40.2  | 40.2  |
| IV 16000        | 20.0                     | 41.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4  | 40.4  | 40.4   | 40.4  | 40.4  |
| IV 14000        | 20.5                     | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4  | 41.4  | 41.4   | 41.4  | 41.4  |
| IV 12000        | 22.2                     | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1  | 44.1  | 44.1   | 44.1  | 44.1  |
| IV 10000        | 23.8                     | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8  | 47.8  | 47.8   | 47.8  | 47.8  |
| IV 9000         | 23.9                     | 47.8 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9  | 47.9  | 47.9   | 47.9  | 47.9  |
| IV 8000         | 25.0                     | 49.9 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1  | 50.1  | 50.1   | 50.1  | 50.1  |
| IV 7000         | 25.9                     | 50.8 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0  | 51.0  | 51.0   | 51.0  | 51.0  |
| IV 6000         | 26.0                     | 51.0 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2  | 51.2  | 51.2   | 51.2  | 51.2  |
| IV 5000         | 28.3                     | 55.8 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1  | 56.1  | 56.1   | 56.1  | 56.1  |
| IV 4500         | 30.0                     | 61.2 | 61.5 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7  | 61.7  | 61.7   | 61.7  | 61.7  |
| IV 4000         | 34.8                     | 72.6 | 73.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2  | 74.2  | 74.2   | 74.2  | 74.2  |
| IV 3500         | 36.5                     | 80.3 | 81.4 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2  | 82.2  | 82.2   | 82.2  | 82.2  |
| IV 3000         | 43.8                     | 94.0 | 95.5 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6  | 96.6  | 96.6   | 96.6  | 96.6  |
| IV 2500         | 44.1                     | 95.4 | 97.1 | 98.4 | 98.5 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8  | 98.8  | 98.8   | 98.8  | 98.8  |
| IV 2000         | 44.2                     | 95.7 | 97.4 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4  | 99.4   | 99.4  | 99.4  |
| IV 1800         | 44.2                     | 95.7 | 97.4 | 98.8 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7   | 99.7  | 99.7  |
| IV 1500         | 44.2                     | 95.7 | 97.4 | 98.8 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7   | 99.7  | 99.7  |
| IV 1200         | 44.2                     | 95.7 | 97.4 | 98.8 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7   | 99.7  | 99.7  |
| IV 1000         | 44.2                     | 95.7 | 97.4 | 98.8 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7   | 99.7  | 99.7  |
| IV 900          | 44.2                     | 95.7 | 97.5 | 98.9 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8  | 99.8  | 99.8   | 99.8  | 99.8  |
| IV 800          | 44.2                     | 95.7 | 97.6 | 99.1 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 700          | 44.2                     | 95.7 | 97.6 | 99.1 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 600          | 44.2                     | 95.7 | 97.6 | 99.1 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 500          | 44.2                     | 95.7 | 97.6 | 99.1 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 400          | 44.2                     | 95.7 | 97.6 | 99.1 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 300          | 44.2                     | 95.7 | 97.6 | 99.1 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 200          | 44.2                     | 95.7 | 97.6 | 99.1 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 100          | 44.2                     | 95.7 | 97.6 | 99.1 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 0            | 44.2                     | 95.7 | 97.6 | 99.1 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1209

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

| <u>OKTAS</u>    | <u>TENTHS</u> |
|-----------------|---------------|
| 0               | 0             |
| 1               | 1             |
| 2               | 3             |
| 3               | 4             |
| 4               | 5             |
| 5               | 6             |
| 6               | 8             |
| 7               | 9             |
| 8 (or obscured) | 10            |

3

STATION NO. 101-1011  
 STATION NAME  
 101-1011

## SKY COVER

4-1-1 101-1011 101-1011 101-1011 101-1011

STATION

STATION NAME

PER OD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |     |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |
|--------|----------------|---------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|------------------------|
|        |                | 0                                                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10                             |                        |
| JAN    | 241            | 2.9                                               | 1.1 | 1.1 | 1.1 | 4.4 | 2.4 | 4.4 | 4.4 | 1.5 | 1.1 | 1.5                            | 7.1                    |
| FEB    | 179            | 1.7                                               | 1.7 | 1.7 | 4.4 | 4.4 | 1.1 | 1.7 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| MAR    | 181            | 3.1                                               | 1.1 | 1.1 | 4.4 | 1.1 | 4.4 | 1.1 | 4.4 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| APR    | 178            | 1.1                                               | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| MAY    | 177            | 1.1                                               | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| JUN    | 176            | 1.1                                               | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| JUL    | 175            | 1.1                                               | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| AUG    | 174            | 1.1                                               | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| SEP    | 173            | 1.1                                               | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| OCT    | 172            | 1.1                                               | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| NOV    | 171            | 1.1                                               | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| DEC    | 170            | 1.1                                               | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 7.1                    |
| TOTALS |                | 14.7                                              | 3.6 | 1.3 | 4.7 | 4.3 | 2.7 | 4.4 | 4.4 | 1.4 | 4.4 | 4.4                            | 117.4                  |

3

DATA AS OBSERVED - DIVISION  
 STAG, USAF  
 A. HAVILL, N. L. 2001

# SKY COVER

41261 METEOROLOGICAL - 1/1961 - 12/1961 - 45-7

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(U.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |      |     |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|---------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------|-----|------|--------------------------------|-------------------------|
|        |                   | 0                                                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8    | 9   | 10   |                                |                         |
| 1-12   | 1-12              | 11.6                                              | 2.2 | 4.1 | 5.7 | 1.7 | 1.0 | 1.7 | 4.0 | 1.3  | 3.7 | 4.7  | 7.0                            | 120                     |
| 1-12   | 1-12              | 11.7                                              | 1.0 | 1.8 | 4.7 | 1.0 | 1.5 | 3.7 | 3.7 | 0.0  | 3.0 | 4.1  | 7.4                            | 120                     |
| 1-12   | 1-12              | 1.7                                               | 1.0 | 1.0 | 3.0 | 3.0 | 1.0 | 3.0 | 4.0 | 2.0  | 0.0 | 44.0 | 7.0                            | 120                     |
| 1-12   | 1-12              | 5.0                                               | 1.0 | 4.2 | 3.0 | 2.0 | 1.4 | 3.4 | 5.0 | 11.1 | 0.0 | 11.7 | 7.0                            | 120                     |
| 1-12   | 1-12              | 1.0                                               | 1.0 | 4.0 | 1.0 | 1.0 | 2.7 | 3.3 | 4.0 | 11.1 | 0.0 | 12.0 | 5.0                            | 120                     |
| 1-12   | 1-12              | 4.0                                               | 1.7 | 3.1 | 1.0 | 2.0 | 2.0 | 4.7 | 5.0 | 1.0  | 7.0 | 55.0 | 4.0                            | 120                     |
| 1-12   | 1-12              | .1                                                | .1  | 0.9 | 3.7 | 4.0 | 2.0 | 3.7 | 4.0 | 0.0  | 3.1 | 34.0 | 7.0                            | 120                     |
| 1-12   | 1-12              | 11.4                                              | 2.2 | 3.2 | 4.7 | 3.0 | 1.0 | 4.0 | 4.0 | 0.0  | 4.0 | 3.0  | 7.0                            | 120                     |
| TOTALS |                   | 7.9                                               | 1.7 | 3.0 | 3.5 | 3.4 | 2.4 | 4.1 | 4.7 | 6.5  | 6.1 | 33.0 | 7.0                            | 120                     |

## SKY COVER

U. S. DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

$$f(x) = \frac{1}{2} \left( \frac{1}{x} + \frac{1}{x^2} \right) = \frac{x+1}{2x^2} \quad (x \neq 0)$$

STATION

STATION NAME

PERIOD

ACKNOWLEDGMENTS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |     |     |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|---------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|-------------------------|
|        |                   | 0                                                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10   |                                |                         |
| 6-7    | 1-1               | 17.4                                              | 1.0 | 5.0 | 9.0 | 7.0 | 1.0 | 0.0 | 8.0 | 0.1 | 2.0 | 47.5 | 6.7                            | 1                       |
| 7-8    | 1-1               | 1.0                                               | 1.0 | 0.0 | 4.0 | 5.0 | 1.0 | 0.0 | 4.0 | 7.0 | 4.0 | 9.0  | 6.7                            | 1                       |
| 8-9    | 1-1               | 0.1                                               | 4.0 | 0.7 | 4.0 | 4.4 | 2.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.7  | 7.1                            | 1                       |
| 9-11   | 1-1               | 1.0                                               | 0.7 | 4.0 | 3.7 | 1.0 | 2.4 | 0.0 | 7.4 | 0.0 | 1.0 | 44.0 | 7.1                            | 1                       |
| 11-14  | 1-1               | 1.0                                               | 4.1 | 3.0 | 2.0 | 4.0 | 2.0 | 0.1 | 0.0 | 0.7 | 7.1 | 43.0 | 7.0                            | 1                       |
| 15-17  | 1-1               | 0.1                                               | 1.0 | 0.0 | 4.0 | 4.4 | 1.0 | 4.4 | 0.0 | 0.0 | 7.4 | 44.0 | 7.1                            | 1                       |
| 18-20  | 1-1               | 0.0                                               | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 4.0 | 0.0 | 0.1 | 4.0 | 46.0 | 6.7                            | 1                       |
| 21-2   | 1-1               | 12.9                                              | 0.1 | 0.4 | 4.0 | 0.0 | 1.0 | 4.0 | 0.0 | 0.0 | 0.0 | 45.0 | 6.4                            | 1                       |
| TOTALS |                   | 22.9                                              | 2.9 | 4.8 | 4.4 | 4.0 | 2.0 | 3.7 | 0.0 | 7.0 | 0.3 | 45.0 | 6.6                            | 1                       |

3

UNITED STATES AIR FORCE  
 14-00000  
 4-00000, 14-00000

## SKY COVER

4-00000 MONTH - 14-00000 / 14-00000 - 14-00000

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |     |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |
|--------|-------------------|---------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|------------------------|
|        |                   | 0                                                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10                             |                        |
| 1-10   | 14.5              | 2.0                                               | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 2.0 | 2.0 | 4.0                            | 4.0                    |
| 1-15   | 14.5              | 2.0                                               | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 4.0                            | 4.0                    |
| 1-20   | 14.6              | 3.0                                               | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 7.0 | 4.0 | 4.0                            | 4.0                    |
| 1-25   | 14.5              | 3.0                                               | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 7.0 | 4.0 | 4.0                            | 4.0                    |
| 2-14   | 14.1              | 4.0                                               | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0                            | 4.0                    |
| 1-17   | 14.6              | 4.0                                               | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 4.0 | 7.0 | 3.0 | 4.0                            | 4.0                    |
| 1-18   | 14.6              | 3.0                                               | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 7.0 | 3.0 | 4.0                            | 4.0                    |
| 21-3   | 14.1              | 4.0                                               | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 1.0 | 4.0                            | 4.0                    |
| TOTALS |                   | 14.1                                              | 3.2 | 4.6 | 4.1 | 3.8 | 2.4 | 3.5 | 4.4 | 4.1 | 3.2 | 4.1                            | 6.7                    |



1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

## SKY COVER

1.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$  (Probability of getting two heads) = 0.25

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

DATE OF BIRTH: 01.11.1967  
PLACE OF BIRTH: ...  
... ..

4-16 4-17 4-18 4-19 4-20 4-21 4-22 4-23 4-24 4-25 4-26 4-27 4-28 4-29 4-30 4-31 4-32 4-33 4-34 4-35 4-36 4-37 4-38 4-39 4-40 4-41 4-42 4-43 4-44 4-45 4-46 4-47 4-48 4-49 4-50 4-51 4-52 4-53 4-54 4-55 4-56 4-57 4-58 4-59 4-60 4-61 4-62 4-63 4-64 4-65 4-66 4-67 4-68 4-69 4-70 4-71 4-72 4-73 4-74 4-75 4-76 4-77 4-78 4-79 4-80 4-81 4-82 4-83 4-84 4-85 4-86 4-87 4-88 4-89 4-90 4-91 4-92 4-93 4-94 4-95 4-96 4-97 4-98 4-99 4-100 4-101 4-102 4-103 4-104 4-105 4-106 4-107 4-108 4-109 4-110 4-111 4-112 4-113 4-114 4-115 4-116 4-117 4-118 4-119 4-120 4-121 4-122 4-123 4-124 4-125 4-126 4-127 4-128 4-129 4-130 4-131 4-132 4-133 4-134 4-135 4-136 4-137 4-138 4-139 4-140 4-141 4-142 4-143 4-144 4-145 4-146 4-147 4-148 4-149 4-150 4-151 4-152 4-153 4-154 4-155 4-156 4-157 4-158 4-159 4-160 4-161 4-162 4-163 4-164 4-165 4-166 4-167 4-168 4-169 4-170 4-171 4-172 4-173 4-174 4-175 4-176 4-177 4-178 4-179 4-180 4-181 4-182 4-183 4-184 4-185 4-186 4-187 4-188 4-189 4-190 4-191 4-192 4-193 4-194 4-195 4-196 4-197 4-198 4-199 4-200 4-201 4-202 4-203 4-204 4-205 4-206 4-207 4-208 4-209 4-210 4-211 4-212 4-213 4-214 4-215 4-216 4-217 4-218 4-219 4-220 4-221 4-222 4-223 4-224 4-225 4-226 4-227 4-228 4-229 4-230 4-231 4-232 4-233 4-234 4-235 4-236 4-237 4-238 4-239 4-240 4-241 4-242 4-243 4-244 4-245 4-246 4-247 4-248 4-249 4-250 4-251 4-252 4-253 4-254 4-255 4-256 4-257 4-258 4-259 4-260 4-261 4-262 4-263 4-264 4-265 4-266 4-267 4-268 4-269 4-270 4-271 4-272 4-273 4-274 4-275 4-276 4-277 4-278 4-279 4-280 4-281 4-282 4-283 4-284 4-285 4-286 4-287 4-288 4-289 4-290 4-291 4-292 4-293 4-294 4-295 4-296 4-297 4-298 4-299 4-300 4-301 4-302 4-303 4-304 4-305 4-306 4-307 4-308 4-309 4-310 4-311 4-312 4-313 4-314 4-315 4-316 4-317 4-318 4-319 4-320 4-321 4-322 4-323 4-324 4-325 4-326 4-327 4-328 4-329 4-330 4-331 4-332 4-333 4-334 4-335 4-336 4-337 4-338 4-339 4-340 4-341 4-342 4-343 4-344 4-345 4-346 4-347 4-348 4-349 4-350 4-351 4-352 4-353 4-354 4-355 4-356 4-357 4-358 4-359 4-360 4-361 4-362 4-363 4-364 4-365 4-366 4-367 4-368 4-369 4-370 4-371 4-372 4-373 4-374 4-375 4-376 4-377 4-378 4-379 4-380 4-381 4-382 4-383 4-384 4-385 4-386 4-387 4-388 4-389 4-390 4-391 4-392 4-393 4-394 4-395 4-396 4-397 4-398 4-399 4-400 4-401 4-402 4-403 4-404 4-405 4-406 4-407 4-408 4-409 4-410 4-411 4-412 4-413 4-414 4-415 4-416 4-417 4-418 4-419 4-420 4-421 4-422 4-423 4-424 4-425 4-426 4-427 4-428 4-429 4-430 4-431 4-432 4-433 4-434 4-435 4-436 4-437 4-438 4-439 4-440 4-441 4-442 4-443 4-444 4-445 4-446 4-447 4-448 4-449 4-450 4-451 4-452 4-453 4-454 4-455 4-456 4-457 4-458 4-459 4-460 4-461 4-462 4-463 4-464 4-465 4-466 4-467 4-468 4-469 4-470 4-471 4-472 4-473 4-474 4-475 4-476 4-477 4-478 4-479 4-480 4-481 4-482 4-483 4-484 4-485 4-486 4-487 4-488 4-489 4-490 4-491 4-492 4-493 4-494 4-495 4-496 4-497 4-498 4-499 4-500 4-501 4-502 4-503 4-504 4-505 4-506 4-507 4-508 4-509 4-510 4-511 4-512 4-513 4-514 4-515 4-516 4-517 4-518 4-519 4-520 4-521 4-522 4-523 4-524 4-525 4-526 4-527 4-528 4-529 4-530 4-531 4-532 4-533 4-534 4-535 4-536 4-537 4-538 4-539 4-540 4-541 4-542 4-543 4-544 4-545 4-546 4-547 4-548 4-549 4-550 4-551 4-552 4-553 4-554 4-555 4-556 4-557 4-558 4-559 4-560 4-561 4-562 4-563 4-564 4-565 4-566 4-567 4-568 4-569 4-570 4-571 4-572 4-573 4-574 4-575 4-576 4-577 4-578 4-579 4-580 4-581 4-582 4-583 4-584 4-585 4-586 4-587 4-588 4-589 4-590 4-591 4-592 4-593 4-594 4-595 4-596 4-597 4-598 4-599 4-600 4-601 4-602 4-603 4-604 4-605 4-606 4-607 4-608 4-609 4-610 4-611 4-612 4-613 4-614 4-615 4-616 4-617 4-618 4-619 4-620 4-621 4-622 4-623 4-624 4-625 4-626 4-627 4-628 4-629 4-630 4-631 4-632 4-633 4-634 4-635 4-636 4-637 4-638 4-639 4-640 4-641 4-642 4-643 4-644 4-645 4-646 4-647 4-648 4-649 4-650 4-651 4-652 4-653 4-654 4-655 4-656 4-657 4-658 4-659 4-660 4-661 4-662 4-663 4-664 4-665 4-666 4-667 4-668 4-669 4-670 4-671 4-672 4-673 4-674 4-675 4-676 4-677 4-678 4-679 4-680 4-681 4-682 4-683 4-684 4-685 4-686 4-687 4-688 4-689 4-690 4-691 4-692 4-693 4-694 4-695 4-696 4-697 4-698 4-699 4-700 4-701 4-702 4-703 4-704 4-705 4-706 4-707 4-708 4-709 4-710 4-711 4-

MONTE

[illegible]

1. NAME OF THE CLAIMANT  
 2. AGE  
 3. ADDRESS

## SKY COVER

$$d(\text{C}_6\text{H}_5)_2 = \frac{0.987}{100} \times 100 = 0.987\% \quad \text{and} \quad d(\text{C}_6\text{H}_5)_2 = 0.987$$

---  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

THE UNIVERSITY OF CHICAGO  
LIBRARY  
540 EAST 57TH STREET  
CHICAGO, ILL. 60637

## SKY COVER

$$A_{\text{eff}} = A_{\text{ref}} \left( 1 - \frac{2\pi \sigma_{\text{eff}}}{\lambda} \right) = A_{\text{ref}} \left( 1 - \frac{2\pi \sigma_{\text{eff}}}{\lambda} \right) \quad (1)$$

STATION NAME

PER:OC

MON'H

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

SAFETY OF DOMESTIC DIVISION  
FBI, USAF  
ANDERSON, W.D. 28571

## SKY COVER

| STATION | STATION NAME | PERIOD | MONTH |
|---------|--------------|--------|-------|
|---------|--------------|--------|-------|

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |      |      |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|-------|----------------|---------------------------------------------------|-----|-----|-----|-----|-----|-----|------|------|-----|--------------------------------|-------------------------|-----|
|       |                | 0                                                 | 1   | 2   | 3   | 4   | 5   | 6   | 7    | 8    | 9   |                                |                         | 10  |
| 1-1   | 15.2           | 5.7                                               | 6.9 | 7.1 | 7.5 | 7.7 | 7.7 | 7.7 | 7.7  | 7.7  | 7.7 | 7.7                            | 7.7                     | 7.7 |
| 1-3   | 19.2           | 4.7                                               | 7.4 | 7.7 | 7.7 | 7.7 | 7.4 | 6.1 | 6.7  | 6.9  | 6.9 | 6.9                            | 6.9                     | 6.9 |
| 1-5   | 7.6            | 6.7                                               | 6.2 | 8.1 | 6.7 | 7.9 | 6.7 | 7.9 | 7.9  | 7.9  | 7.9 | 7.9                            | 7.9                     | 7.9 |
| 1-11  | 5.6            | 6.6                                               | 7.4 | 6.7 | 7.7 | 8.7 | 6.7 | 8.7 | 8.7  | 12.4 | 7.1 | 7.7                            | 7.7                     | 7.7 |
| 12-4  | 1.7            | 5.9                                               | 6.1 | 6.7 | 5.9 | 7.7 | 6.9 | 9.9 | 11.3 | 6.7  | 7.7 | 7.7                            | 7.7                     | 7.7 |
| 13-7  | 4.9            | 4.7                                               | 6.7 | 6.7 | 7.9 | 5.7 | 7.4 | 6.7 | 12.2 | 7.1  | 7.7 | 7.7                            | 7.7                     | 7.7 |
| 14-11 | 12.1           | 6.7                                               | 6.7 | 7.7 | 6.7 | 4.1 | 6.9 | 6.7 | 6.9  | 5.9  | 6.1 | 7.7                            | 7.7                     | 7.7 |
| 15-3  | 7.8            | 5.7                                               | 6.7 | 6.7 | 6.9 | 7.1 | 4.9 | 6.7 | 5.9  | 3.1  | 4.1 | 4.9                            | 4.9                     | 4.9 |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |
|       |                |                                                   |     |     |     |     |     |     |      |      |     |                                |                         |     |

3

## SKY COVER

4-20-1964 10-11-1964 10-11-1964 10-11-1964 10-11-1964

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |     |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|---------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|-------------------------|
|        |                   | 0                                                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10                             |                         |
| 0      | 1-1               | 1.7                                               | 1.1 | 1.1 | 1.1 | 4.7 | 2.1 | 1.1 | 1.1 | 1.1 | 3.1 | 1.1                            | 1.1                     |
| 1      | 2-3               | 11.7                                              | 4.7 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 2      | 4-5               | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 3      | 6-7               | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 4      | 8-9               | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 5      | 10-11             | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 6      | 12-1              | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 7      | 2-3               | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 8      | 4-5               | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 9      | 6-7               | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 10     | 8-9               | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 11     | 10-11             | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| 12     | 12-1              | 11.7                                              | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |
| TOTALS |                   | 1.2                                               | 4.4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1                            | 1.1                     |

| STATION | STATION NAME | PERIOD | MONTH |
|---------|--------------|--------|-------|
|---------|--------------|--------|-------|

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

1. NAME \_\_\_\_\_  
 2. DATE \_\_\_\_\_  
 3. TIME \_\_\_\_\_

## SKY COVER

45000 000000 000000 000000 000000 000000 000000 000000 000000 000000

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |     |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |
|-------|-------------------|---------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|-------------------------|
|       |                   | 0                                                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9    |                                |                         |
| 1-10  | 31.0              | 4.0                                               | 5.0 | 4.0 | 4.4 | 3.0 | 7.0 | 5.0 | 7.4 | 1.0 | 24.0 | 4.0                            | 1.7                     |
| 11-11 | 14.3              | 4.0                                               | 6.7 | 2.0 | 4.3 | 1.7 | 6.7 | 5.0 | 7.0 | 3.0 | 1.0  | 4.0                            | 1.7                     |
| 12-12 | 10.0              | 5.7                                               | 0.0 | 0.0 | 0.0 | 3.4 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0                            | 1.7                     |
| 1-11  | 13.8              | 7.0                                               | 1.0 | 4.0 | 0.0 | 3.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0                            | 1.7                     |
| 12-14 | 12.7              | 0.0                                               | 0.0 | 4.0 | 4.0 | 0.0 | 0.0 | 7.4 | 7.0 | 6.7 | 3.0  | 0.0                            | 1.7                     |
| 10-17 | 14.0              | 7.0                                               | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0                            | 1.7                     |
| 10-20 | 20.1              | 0.0                                               | 7.0 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0                            | 1.7                     |
| 11-23 | 32.6              | 0.0                                               | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 4.0 | 0.0  | 20.0                           | 1.7                     |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |
|       |                   |                                                   |     |     |     |     |     |     |     |     |      |                                |                         |



$$4 \cdot (2)^{-1} \cdot 3 \cdot (2)^{-1} = 3 \cdot (2)^{-2} \cdot 3 \cdot (2)^{-1} = 3^2 \cdot (2)^{-3} = 9 \cdot (2)^{-3} = 9/8 = 1 \frac{1}{8}$$

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |      |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|---------------------------------------------------|-----|-----|-----|-----|-----|-----|------|------|------|--------------------------------|-------------------------|
|        |                   | 0                                                 | 1   | 2   | 3   | 4   | 5   | 6   | 7    | 8    | 9    |                                |                         |
| 11-1   | 14.6              | 2.1                                               | 2.4 | 3.2 | 4.3 | 5.1 | 7.7 | 6.4 | 3.4  | 5.4  | 7.0  | 5.0                            | 100                     |
| 11-2   | 12.8              | 2.0                                               | 4.3 | 6.7 | 5.1 | 5.0 | 7.0 | 5.0 | 6.3  | 4.7  | 17.9 | 6.6                            | 100                     |
| 11-3   | 4.6               | 4.0                                               | 4.7 | 3.0 | 4.1 | 4.2 | 5.0 | 8.0 | 10.0 | 3.7  | 5.2  | 7.0                            | 100                     |
| 11-11  | 5.1               | 4.4                                               | 4.3 | 4.0 | 3.0 | 2.2 | 4.7 | 3.0 | 3.3  | 11.3 | 61.1 | 7.7                            | 100                     |
| 12-14  | 3.1               | 2.6                                               | 4.0 | 4.5 | 4.5 | 2.6 | 4.1 | 7.2 | 11.0 | 1.7  | 41.4 | 7.4                            | 100                     |
| 12-17  | 3.4               | 4.1                                               | 2.4 | 3.3 | 3.0 | 2.4 | 4.4 | 6.7 | 4.3  | 9.5  | 41.6 | 7.0                            | 100                     |
| 1-1    | 11.2              | 3.4                                               | 2.4 | 3.4 | 3.0 | 2.0 | 6.1 | 3.7 | 7.4  | 5.4  | 41.9 | 5.0                            | 100                     |
| 1-2    | 17.1              | 4.1                                               | 4.2 | 3.0 | 4.9 | 3.1 | 3.6 | 3.7 | 6.9  | 5.2  | 36.9 | 6.7                            | 100                     |
|        |                   |                                                   |     |     |     |     |     |     |      |      |      |                                |                         |
|        |                   |                                                   |     |     |     |     |     |     |      |      |      |                                |                         |
|        |                   |                                                   |     |     |     |     |     |     |      |      |      |                                |                         |
|        |                   |                                                   |     |     |     |     |     |     |      |      |      |                                |                         |
| TOTALS | 66                | 3.2                                               | 4.8 | 4.1 | 4.7 | 2.9 | 5.5 | 7.0 | 5.3  | 7.0  | 46.1 | 6.7                            | 1000                    |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

STATION NAME  
 WILLY, N. C.

# DAILY TEMPERATURES

STATION NUMBER 1210 WS  
 STATION NAME WILLY, N. C.  
 YEARS 1964

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

| TEMP (F)   | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1          |      |      |      |      |      |      |      | 12.9 | 1.6  |      |      |      |        |
| 2          |      |      |      |      |      |      | 30.4 | 47.7 | 17.9 |      |      |      |        |
| 3          |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 4          |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 5          |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 6          |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 7          |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 8          |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 9          |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 10         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 11         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 12         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 13         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 14         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 15         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 16         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 17         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 18         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 19         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 20         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 21         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 22         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 23         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 24         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 25         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 26         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 27         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 28         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 29         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 30         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 31         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 32         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 33         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 34         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 35         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 36         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 37         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 38         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 39         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 40         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 41         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 42         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 43         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 44         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 45         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 46         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 47         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 48         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 49         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 50         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 51         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 52         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 53         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 54         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 55         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 56         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 57         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 58         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 59         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 60         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 61         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 62         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 63         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 64         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 65         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 66         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 67         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 68         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 69         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 70         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 71         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 72         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 73         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 74         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 75         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 76         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 77         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 78         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 79         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 80         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 81         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 82         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 83         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 84         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 85         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 86         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 87         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 88         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 89         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 90         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 91         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 92         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 93         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 94         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 95         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 96         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 97         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 98         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 99         |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| 100        |      |      |      |      | 1.6  | 47.7 | 60.4 | 90.7 | 98.9 | 5.1  |      |      |        |
| MEAN       | 46.3 | 49.7 | 51.0 | 61.8 | 69.1 | 74.1 | 82.1 | 85.0 | 80.1 | 72.0 | 61.0 | 50.0 | 61.0   |
| S.D.       | 7.7  | 7.3  | 6.1  | 4.4  | 4.5  | 3.5  | 4.6  | 3.3  | 4.4  | 5.1  | 5.2  | 5.0  | 4.4    |
| TOTAL OBS. | 7    | 12   | 17   | 35   | 77   | 106  | 144  | 144  | 144  | 144  | 144  | 144  | 144    |

VILL., N. C. 28151

YEARS

[illegible]

VILLI, • • •

| STATION | STATION NAME |
|---------|--------------|
|---------|--------------|

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

[illegible]

EDITIONS OF THIS FORM ARE OBSOLETE

W. J. GIBSON, JR., Editor  
W. J. GIBSON, JR., Editor

## FROM DAILY OBSERVATIONS

[illegible]1210 WS FORM 0-88-5 (OLI)

## EXTREME VALUES

MAXIMUM TEMPERATURE  
FROM DAILY OBSERVATIONS

43263                      MOSULP-O KOREA/CHEJU-DO ROK K-39  
STATION                      STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT  
(LESS THAN FULL MONTH)

[illegible]



3

STATION NO. 1000000000  
 STATION NAME  
 STATION LOCATION

# EXTREME VALUES

MEAN AND STANDARD DEVIATION  
 FROM DAILY OBSERVATIONS

STATION NO. 1000000000 STATION NAME YEARS

| MONTH<br>YEAR | JAN.  | FEB.  | MAR.  | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.  | DEC.  | ALL<br>MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 1             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 2             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 3             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 4             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 5             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 6             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 7             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 8             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 9             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 10            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 11            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 12            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 13            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 14            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 15            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 16            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 17            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 18            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 19            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 20            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 21            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 22            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 23            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 24            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 25            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 26            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 27            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 28            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 29            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 30            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 31            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 32            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 33            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 34            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 35            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 36            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 37            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 38            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 39            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 40            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 41            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 42            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 43            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 44            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 45            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 46            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 47            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 48            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 49            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 50            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 51            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 52            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 53            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 54            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 55            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 56            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 57            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 58            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 59            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 60            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 61            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 62            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 63            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 64            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 65            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 66            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 67            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 68            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 69            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 70            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 71            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 72            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 73            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 74            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 75            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 76            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 77            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 78            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 79            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 80            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 81            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 82            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 83            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 84            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 85            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 86            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 87            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 88            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 89            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 90            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 91            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 92            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 93            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 94            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 95            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 96            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 97            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 98            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 99            | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| 100           | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |               |
| MEAN          | 7.9   | 28.8  | 32.1  | 37.3  | 41.6  | 55.2  | 67.9  | 67.8  | 52.5  | 47.3  | 38.3  | 21.9  | 27.8          |
| S. D.         | 2.270 | 2.417 | 2.505 | 2.571 | 2.151 | 2.125 | 2.468 | 4.140 | 3.017 | 2.989 | 3.061 | 2.801 | 1.730         |
| TOTAL OBS.    | 373   | 339   | 372   | 360   | 372   | 360   | 343   | 463   | 390   | 372   | 330   | 310   | 4211          |

## EXTREME VALUES

MINIMUM TEMPERATURE

1904 TAILY CELEBRATIONS

43263

MOSULP-O KOREA/CHEJU-DO ROK K-39

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT  
(LESS THAN FULL MONTH)

[illegible]

ALL VILLES, N. D., 1900.

4-10-77 ALBUQUERQUE AFB NM NMK 4-30 04-07

HOURS 5

1210 WS JUL 64 0-26-5 (Det 50) FORM REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

4222  
STATION

STATION NAME

- 4 - 7

YEARS

111  
MONTH

PLI  
HOURS : S T

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     | TOTAL |          | TOTAL    |           |        |  |
|-------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|----|----|-------|-------|----|----|----|----|-----|-------|----------|----------|-----------|--------|--|
|             | 0                                   | 1-2  | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21 | 22 | 23-24 | 25-26 | 27 | 28 | 29 | 30 | ≥31 | DB WB | Dry Bulb | Wet Bulb | Dew Point |        |  |
| 76 / 51     | :                                   | :    |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       | 1        |          |           |        |  |
| 74 / 53     | :                                   | :    |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       | 4        | 16       |           | 7      |  |
| 72 / 51     |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           | 10     |  |
| 70 / 49     |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           | 20     |  |
| 68 / 47     |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           | 1      |  |
| 66 / 43     |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           | 1      |  |
| T TLE       | 1.22                                | 4.53 | 7.41 | 7.  | .   | 1.40 | 1.1   | .5    | .1    | .     | .     | .  | .  | .     | .     | .  | .  | .  | .  | .   | .     | 113197   | 113197   | 113197    | 113197 |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |    |    |       |       |    |    |    |    |     |       |          |          |           |        |  |

## PSYCHROMETRIC SUMMARY

1  
MONTH  
HOURS 1 5 1

[illegible]

DATA PROCESSING DIVISION  
 LTAC, USAF  
 ASHVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

43263 MESLEP-C RCKP3/CHEJL-DC RCK 3-35 55-17  
 STATION MONTH YEARS AGT 1 ALL  
 STATION NAME HOURS 0.5

| Temp<br>(F) | 0     | 1     | 2     | 3 | 4   | 5   | 6  | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | TOTAL |      | TOTAL |          |          |           |
|-------------|-------|-------|-------|---|-----|-----|----|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-------|----------|----------|-----------|
|             |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | DB   | WB    | Dry Bulb | Wet Bulb | Dew Point |
| 60/ 60      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 12   | 12    |          |          |           |
| 64/ 63      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 47   | 47    |          |          |           |
| 62/ 61      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 47   | 47    |          |          |           |
| 61/ 59      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 146  | 146   |          |          |           |
| 58/ 57      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 233  | 233   |          |          |           |
| 56/ 55      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 362  | 362   |          |          |           |
| 54/ 53      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 371  | 371   |          |          |           |
| 51/ 51      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 408  | 408   |          |          |           |
| 47/ 49      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 538  | 538   |          |          |           |
| 46/ 47      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 616  | 616   |          |          |           |
| 43/ 45      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 706  | 706   |          |          |           |
| 44/ 42      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 641  | 641   |          |          |           |
| 42/ 41      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 701  | 701   |          |          |           |
| 41/ 39      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 865  | 865   |          |          |           |
| 37/ 37      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 947  | 947   |          |          |           |
| 35/ 35      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 921  | 921   |          |          |           |
| 34/ 33      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 689  | 689   |          |          |           |
| 31/ 31      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 445  | 445   |          |          |           |
| 29/ 29      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 141  | 141   |          |          |           |
| 26/ 27      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 47   | 47    |          |          |           |
| 26/ 25      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | 2    | 2     |          |          |           |
| 24/ 23      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |      |       |          |          |           |
| 22/ 21      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |      |       |          |          |           |
| 21/ 19      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |      |       |          |          |           |
| 16/ 17      |       |       |       |   |     |     |    |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |      |       |          |          |           |
| TOTAL       | 1.538 | 6.637 | 3.315 | 8 | 5.3 | 1.3 | .2 |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 8807  | 8807 | 8807  |          |          |           |

| Element (X) | $\Sigma x$ | $\Sigma x^2$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|------------|--------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 578        | 6900         | 75.1      | 11.681     | 8807     | < 0 F                              | < 32 F | > 67 F | > 73 F | > 80 F | > 93 F |       |
| Dry Bulb    | 16492178   | 375046       | 42.6      | 7.691      | 8807     |                                    | 48.5   |        |        |        |        | 672.5 |
| Wet Bulb    | 1449754    | 346088       | 39.3      | 7.145      | 8807     |                                    | 119.3  |        |        |        |        | 672.5 |
| Dew Point   | 11316248   | 307822       | 35.7      | 7.755      | 8807     |                                    | 315.9  |        |        |        |        |       |

## PSYCHROMETRIC SUMMARY

YEARS

0.27

[illegible]

42202      VOISLE - J      KCH, A/CHED - NC      HX      1-43      66-17  
STATION      STATION NAME

1. *Adaptation* - The process by which an organism changes its behavior or physiology to better survive in its environment.

FORM 0 26 5 (O L I)  
JUL 64



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442

455

[illegible]

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1210 WS FORA 0265 (OLLI)  
JUN 68

2)

## 2)

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1210 WS FORM 0 26 5 (OLI)

DATA PROCESSING DIVISION  
FBI, W. OF  
ANN ARBOR, MICH. 48101

## PSYCHROMETRIC SUMMARY

44201      MODEL - F   KCH 2/31-34-35   KCH 4-35      89- 2957  
STATION      STATION NAME

[illegible]

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/0 4/2  
MOSULP-O, CHEJU-DO, KOREA. REVISED UNIFORM SUMMARY OF SURFACE W--ETC(U)  
FEB 68  
USAFETAC/DS-80-067

**UNCLASSIFIED**

ML

4.11.2

END  
DATE  
FILMED  
10-80  
DTIC

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHVILLE, N. C. 28801

## PSYCHROMETRIC SUMMARY

43263 MCSLP-C \*CRFA/CHEJU-CC RCK \*33 54-66

STATION

STATION NAME

YEARS

2.

MONTH

PAGE : ALL

| HOURS |   | EST |   |
|-------|---|-----|---|
| 1     | 2 | 3   | 4 |

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL |           | TOTAL    |          |           |      |  |
|--------------|-------------------------------------|-------|------|------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|------|--|
|              | 0                                   | 1     | 2    | 3    | 4   | 5   | 6   | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31    | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |      |  |
| 94/ 94       |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 7        | 7        |           |      |  |
| 92/ 91       |                                     |       |      |      |     |     | .1  | .3 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 73       | 71       |           |      |  |
| 90/ 89       |                                     |       |      |      |     | .4  | 1.1 | .8 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 744      | 744      |           |      |  |
| 88/ 87       |                                     |       |      | .4   | 1.8 | 2.2 | .8  | .2 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 587      | 587      |           |      |  |
| 86/ 85       |                                     |       | .1   | 1.8  | 5.3 | 2.2 | .8  | .2 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 1001     | 1001     | 14        |      |  |
| 84/ 82       |                                     |       | .5   | 4.7  | 4.5 | 2.0 | .7  | .1 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 1215     | 1215     | 17        | 22   |  |
| 82/ 81       | .3                                  | 3.3   | 6.4  | 3.3  | 1.3 |     | .4  | .0 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 1426     | 1426     | 704       | 775  |  |
| 80/ 79       | .3                                  | 7.5   | 6.7  | 2.5  | .5  | .2  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 1709     | 1709     | 1866      | 1916 |  |
| 78/ 77       | .6                                  | 7.1   | 4.6  | 1.2  | .3  | .0  | .0  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 1454     | 1454     | 7308      | 2590 |  |
| 76/ 75       | 1.2                                 | 5.3   | 2.5  | .4   | .2  | .0  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 943      | 943      | 2027      | 2174 |  |
| 74/ 73       | .7                                  | 3.1   | 1.3  | .3   | .0  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 521      | 521      | 1270      | 1633 |  |
| 72/ 71       | .5                                  | 2.1   | .7   | .2   | .0  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 332      | 332      | 667       | 1118 |  |
| 70/ 69       | .1                                  | 1.0   | .3   | .1   |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 147      | 147      | 391       | 597  |  |
| 68/ 67       | .1                                  | .3    | .1   |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 47       | 47       | 174       | 321  |  |
| 66/ 65       | .0                                  | .0    |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 16       | 16       | 73        | 137  |  |
| 64/ 63       |                                     | .0    | .0   |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 6        | 6        | 13        | 68   |  |
| 62/ 61       |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          | 5         | 15   |  |
| 60/ 59       |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
| TOTAL        | 3.721                               | 1.729 | 4.26 | 1.12 |     |     | 4.1 | .8 | .1 | .0 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           | 9671     | 9671     | 9671      |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          | 9671     | 9671      |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |
|              |                                     |       |      |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |           |          |          |           |      |  |

|         |                                   |       |
|---------|-----------------------------------|-------|
| 43263   | MUSULP-0 KORI A/CHJJC-00 ROK K-3. | 04-65 |
| STATION | STATION NAME                      |       |

ALL 2 ALL  
HOURS 157

[illegible]

210 WS 0-26-5 (OLI)  
FORM JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC, USAF  
45HEVILLF, N. C. 28801

# PSYCHROMETRIC SUMMARY

43263 MCSULP-C KGRFA/CHEJC-CC RCK 4-33 54-66

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS 1 5 T

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |            |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    | TOTAL |           | TOTAL    |          |           |      |
|--------------|-------------------------------------|-----|-----|------------|-----|------|-----------|-----|----|------------|----|----|----------|----|----|------------------------------------|--------|--------|--------|--------|--------|-------|-------|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|------|
|              | 0                                   | 1   | 2   | 3          | 4   | 5    | 6         | 7   | 8  | 9          | 10 | 11 | 12       | 13 | 14 | 15                                 | 16     | 17     | 18     | 19     | 20     | 21    | 22    | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31    | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |      |
| 86/ 85       |                                     |     |     |            |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 1        | 1        |           |      |
| 84/ 83       |                                     |     |     |            |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 15       | 15       |           |      |
| 82/ 81       |                                     |     |     |            |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 72       | 72       |           |      |
| 80/ 79       |                                     |     | .1  | .0         | .1  | .3   | .2        | .1  |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 216      | 216      | 15        | 12   |
| 78/ 77       |                                     | .1  | .3  | .2         | .4  | .6   | .4        | .2  | .1 |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 417      | 417      | 45        | 26   |
| 76/ 75       |                                     | .1  | .5  | .5         | .8  | .8   | 1.1       | .5  | .1 | .0         |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 515      | 515      | 122       | 71   |
| 74/ 73       |                                     | .1  | .4  | .6         | 1.0 | 1.3  | 1.2       | .6  | .1 |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 737      | 737      | 175       | 88   |
| 72/ 71       |                                     | .1  | .8  | 1.0        | 1.7 | 1.7  | 1.5       | .6  | .2 | .1         |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 935      | 935      | 377       | 217  |
| 70/ 69       |                                     | .7  | 1.5 | 1.5        | 2.2 | 2.1  | 1.4       | .7  | .2 | .1         | .0 |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 928      | 928      | 570       | 310  |
| 68/ 67       |                                     | .1  | 1.1 | 2.1        | 2.6 | 1.9  | 1.2       | .6  | .1 | .0         |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 914      | 914      | 740       | 381  |
| 66/ 65       |                                     | .7  | 1.4 | 2.4        | 2.5 | 1.7  | 1.0       | .4  | .1 | .0         |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 892      | 892      | 899       | 307  |
| 64/ 63       |                                     | .1  | 1.4 | 2.8        | 2.6 | 1.5  | .6        | .2  |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 774      | 774      | 1073      | 761  |
| 62/ 61       |                                     | .1  | 1.8 | 2.5        | 2.1 | 1.3  | .4        | .1  |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 756      | 756      | 1127      | 868  |
| 60/ 59       |                                     | .1  | 2.0 | 2.8        | 2.0 | .7   | .2        | .0  |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 670      | 670      | 1047      | 788  |
| 58/ 57       |                                     | .1  | 1.8 | 2.7        | 1.7 | .6   | .1        | .0  |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 571      | 571      | 935       | 1007 |
| 56/ 55       |                                     | .0  | 1.6 | 2.7        | 1.2 | .4   | .0        |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 451      | 451      | 777       | 798  |
| 54/ 53       |                                     | .0  | 1.3 | 2.3        | .6  | .1   |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 338      | 338      | 677       | 326  |
| 52/ 51       |                                     | .1  | 1.3 | 1.7        | .4  | .0   |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 275      | 275      | 512       | 338  |
| 50/ 49       |                                     | .0  | 1.2 | 1.4        | .2  | .0   |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 130      | 130      | 403       | 631  |
| 48/ 47       |                                     | .0  | .9  | .3         | .1  | .0   |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 16       | 16       | 199       | 356  |
| 46/ 45       |                                     | .0  | .1  | .1         |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 5        | 5        | 35        | 362  |
| 44/ 43       |                                     | .0  | .1  | .0         |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           | 1        | 1        | 10        | 177  |
| 42/ 41       |                                     |     |     |            |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           |          |          | 2         | 72   |
| 40/ 39       |                                     |     |     |            |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           |          |          |           | 79   |
| 38/ 37       |                                     |     |     |            |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           |          |          |           | 8    |
| 36/ 35       |                                     |     |     |            |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           |          |          |           | 11   |
| 34/ 33       |                                     |     |     |            |     |      |           |     |    |            |    |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       |           |          |          |           |      |
| TOTAL        | 1.2                                 | 1.6 | 2.7 | 6.2        | 2.2 | 14.8 | 9.5       | 4.0 | .9 | .2         | .0 |    |          |    |    |                                    |        |        |        |        |        |       |       |    |    |    |    |    |    |    |    |       | 9671      | 9671     | 9671     | 9671      |      |
| Element (X)  | $\Sigma x^2$                        |     |     | $\Sigma x$ |     |      | $\bar{x}$ |     |    | $\sigma_x$ |    |    | No. Obs. |    |    | Mean No. of Hours with Temperature |        |        |        |        |        |       | Total |    |    |    |    |    |    |    |    |       |           |          |          |           |      |
| Rel. Hum.    | 5549683                             |     |     | 722083     |     |      | 74.7      |     |    | 12.563     |    |    | 9671     |    |    | < 0 F                              | < 32 F | > 67 F | > 73 F | > 80 F | > 93 F |       |       |    |    |    |    |    |    |    |    |       |           |          |          |           |      |
| Dry Bulb     | 4055185                             |     |     | 618151     |     |      | 63.9      |     |    | 7.532      |    |    | 9671     |    |    |                                    |        | 298.2  | 96.6   | 4.3    |        | 744.0 |       |    |    |    |    |    |    |    |    |       |           |          |          |           |      |
| Wet Bulb     | 32875630                            |     |     | 568754     |     |      | 58.8      |     |    | 6.646      |    |    | 9671     |    |    |                                    |        | 95.1   | 14.7   |        |        | 744.0 |       |    |    |    |    |    |    |    |    |       |           |          |          |           |      |
| Dew Point    | 3147478                             |     |     | 535184     |     |      | 55.3      |     |    | 7.439      |    |    | 9671     |    |    |                                    |        | 55.4   | 8.4    |        |        | 744.0 |       |    |    |    |    |    |    |    |    |       |           |          |          |           |      |

FORM 0-26-5 (OLI) 1210 WS JUL 84

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

43263 NCS/LP-C KOREA/CHP/JC-OC PCK A-34 54-66

45203  
STATION

STATION NAME

YEARS

54

MONTH

AG... 211

HOURS 1 5 11

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  |  |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|--------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | DB /WB | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 76/ 75       |                                     |      | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |    | 32     | 32       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 74/ 73       |                                     |      | .1   | .1   | .1  | .1   | .1    |       |       |       |       |       |       |       |       |       |    | 31     | 31       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 73/ 71       |                                     | .1   | .2   | .1   | .2  | .2   | .2    |       |       |       |       |       |       |       |       |       |    | 31     | 31       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 72/ 69       |                                     | .1   | .3   | .4   | .3  | .5   | .2    |       |       |       |       |       |       |       |       |       |    | 290    | 290      | 38       | 36        |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 68/ 67       |                                     | .1   | .7   | .8   | .7  | .9   | .7    | .2    | .1    | .3    |       |       |       |       |       |       |    | 354    | 354      | 42       | 33        |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 66/ 65       |                                     | .1   | .5   | 1.1  | 1.0 | 1.2  | 1.0   | .3    | .1    | .0    | .0    |       |       |       |       |       |    | 543    | 533      | 141      | 61        |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 64/ 63       |                                     | .1   | 1.2  | 1.2  | 1.6 | 1.5  | 1.1   | .4    | .1    | .1    | .0    |       |       |       |       |       |    | 715    | 705      | 284      | 136       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 62/ 61       |                                     | .1   | 1.1  | 1.3  | 2.3 | 2.2  | .8    | .2    | .0    | .0    |       |       |       |       |       |       |    | 751    | 751      | 400      | 260       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 60/ 59       |                                     | .1   | .3   | 1.6  | 2.5 | 1.6  | .7    | .1    | .3    | .0    |       |       |       |       |       |       |    | 653    | 653      | 491      | 264       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 58/ 57       |                                     | .1   | 1.1  | 2.0  | 2.0 | 1.3  | .4    | .1    |       |       |       |       |       |       |       |       |    | 653    | 653      | 590      | 346       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 56/ 55       |                                     | .2   | 1.5  | 2.4  | 2.0 | 1.4  | .3    | .0    |       |       |       |       |       |       |       |       |    | 727    | 727      | 798      | 389       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 54/ 53       |                                     | .1   | 1.7  | 2.6  | 2.0 | 1.2  | .2    |       |       |       |       |       |       |       |       |       |    | 729    | 729      | 855      | 563       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 52/ 51       |                                     | .1   | 2.4  | 2.6  | 2.1 | .8   | .3    |       |       |       |       |       |       |       |       |       |    | 756    | 756      | 835      | 732       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 50/ 49       |                                     | .1   | 2.4  | 2.9  | 2.6 | .4   | .0    |       |       |       |       |       |       |       |       |       |    | 794    | 794      | 854      | 796       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 48/ 47       |                                     | .1   | 2.2  | 3.8  | 1.5 | .1   |       |       |       |       |       |       |       |       |       |       |    | 713    | 713      | 860      | 847       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 46/ 45       |                                     | .1   | 1.7  | 3.3  | 1.0 |      |       |       |       |       |       |       |       |       |       |       |    | 572    | 572      | 916      | 812       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 44/ 43       |                                     | .1   | 1.5  | 2.6  | .4  |      |       |       |       |       |       |       |       |       |       |       |    | 470    | 470      | 787      | 705       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 42/ 41       |                                     | .0   | 1.8  | 1.5  | .3  |      |       |       |       |       |       |       |       |       |       |       |    | 334    | 334      | 614      | 743       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 40/ 39       |                                     | .1   | 1.7  | .4   | .0  |      |       |       |       |       |       |       |       |       |       |       |    | 144    | 144      | 498      | 854       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 38/ 37       |                                     | .0   | .5   | .1   |     |      |       |       |       |       |       |       |       |       |       |       |    | 62     | 62       | 200      | 723       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 36/ 35       |                                     |      | .7   | .0   |     |      |       |       |       |       |       |       |       |       |       |       |    | 25     | 25       | 85       | 571       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 34/ 33       |                                     | .0   | .0   |      |     |      |       |       |       |       |       |       |       |       |       |       |    | 6      | 6        | 25       | 279       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 32/ 31       |                                     | .0   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    | 2      | 2        | 6        | 118       |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 30/ 29       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          | 50        |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 28/ 27       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          | 15        |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 26/ 25       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          | 6         |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 24/ 23       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 22/ 21       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| 20/ 19       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
| TOTAL        | 1.723                               | 4.30 | 7.22 | 4.13 | 6   | 6.1  | 1.6   | .4    | .1    | .0    | .0    |       |       |       |       |       |    |        | 9360     |          | 9360      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        | 9360     |          | 9360      |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       | </    |       |    |        |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |  |  |



43263 MCSULP-C KORFA/CHEJU-CC ROK K-39 54-66

102

MONTH

PAGE 1 OF 1

HOURS L S T

1210 WS FORM 0-26-5 (OL1) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA RECORDS DIVISION  
 WASH. STATE  
 100 MILLER, S. O. 1960

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES USED FOR RECORDING PURPOSES

4-20 RESULTS FOR 1961/ 1962-63 14-67

| STATION   | STATION NAME |       |       |       |       |       |       |       |       |       |       |       | YEARS  |
|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| HRS (LST) | JAN.         | FEB.  | MAR.  | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.  | DEC.  | ANNUAL |
| MEAN      | 48.4         | 47.4  | 45.1  | 47.1  | 50.4  | 55.4  | 70.1  | 77.1  | 77.1  | 55.1  | 51.1  | 42.7  | 50.1   |
| S.D.      | 6.561        | 7.137 | 7.271 | 6.989 | 4.815 | 4.889 | 3.354 | 3.445 | 6.273 | 6.611 | 7.294 | 6.617 | 14.174 |
| TOTAL OBS | 1276         | 1111  | 1278  | 1170  | 1279  | 1170  | 1116  | 1209  | 1170  | 1279  | 1170  | 1279  | 14174  |
| MEAN      | 38.4         | 39.4  | 44.4  | 51.2  | 57.2  | 65.1  | 74.4  | 74.4  | 67.5  | 58.4  | 51.1  | 43.7  | 57.4   |
| S.D.      | 5.494        | 7.191 | 7.345 | 6.971 | 4.846 | 4.870 | 3.376 | 3.629 | 6.547 | 6.751 | 7.431 | 6.810 | 14.161 |
| TOTAL OBS | 209          | 1111  | 1279  | 1170  | 1279  | 1170  | 1116  | 1209  | 1170  | 1279  | 1170  | 1279  | 14174  |
| MEAN      | 41.1         | 47.4  | 46.1  | 54.1  | 61.2  | 67.1  | 76.4  | 74.1  | 67.4  | 61.1  | 53.1  | 44.4  | 59.7   |
| S.D.      | 6.536        | 7.234 | 7.126 | 6.762 | 4.723 | 3.747 | 3.937 | 3.947 | 6.023 | 6.397 | 7.547 | 6.671 | 14.172 |
| TOTAL OBS | 1279         | 1111  | 1278  | 1170  | 1279  | 1170  | 1116  | 1209  | 1170  | 1279  | 1170  | 1279  | 14174  |
| MEAN      | 43.1         | 49.1  | 51.1  | 59.1  | 60.1  | 72.1  | 79.7  | 83.1  | 77.1  | 67.1  | 59.7  | 49.1  | 63.1   |
| S.D.      | 7.365        | 7.475 | 6.368 | 4.925 | 4.678 | 3.442 | 4.597 | 3.750 | 4.673 | 5.112 | 7.211 | 7.267 | 14.172 |
| TOTAL OBS | 1279         | 1111  | 1278  | 1170  | 1279  | 1170  | 1116  | 1209  | 1169  | 1279  | 1170  | 1279  | 14174  |
| MEAN      | 44.4         | 47.2  | 53.1  | 60.1  | 67.7  | 73.1  | 80.4  | 84.4  | 78.9  | 70.4  | 60.4  | 50.7  | 64.4   |
| S.D.      | 7.531        | 7.154 | 6.391 | 4.968 | 4.663 | 3.750 | 4.871 | 3.844 | 4.750 | 5.247 | 7.117 | 7.410 | 14.171 |
| TOTAL OBS | 270          | 1111  | 1279  | 1170  | 1209  | 1170  | 1116  | 1209  | 1170  | 1209  | 1170  | 1209  | 14174  |
| MEAN      | 47.5         | 45.5  | 51.5  | 58.6  | 66.2  | 72.0  | 80.1  | 83.4  | 77.7  | 68.7  | 57.0  | 49.1  | 67.5   |
| S.D.      | 7.277        | 7.184 | 6.523 | 5.127 | 4.499 | 3.747 | 4.811 | 3.850 | 4.939 | 5.749 | 7.224 | 7.102 | 14.174 |
| TOTAL OBS | 1276         | 1111  | 1279  | 1170  | 1279  | 1170  | 1116  | 1209  | 1170  | 1279  | 1170  | 1279  | 14174  |
| MEAN      | 47.1         | 42.2  | 47.7  | 55.1  | 62.1  | 68.9  | 77.5  | 79.9  | 72.6  | 62.6  | 53.6  | 45.1  | 58.4   |
| S.D.      | 6.697        | 6.464 | 6.717 | 5.457 | 4.076 | 3.470 | 3.984 | 3.375 | 4.423 | 6.243 | 7.077 | 6.570 | 14.171 |
| TOTAL OBS | 1279         | 1111  | 1279  | 1170  | 1279  | 1170  | 1116  | 1208  | 1170  | 1279  | 1170  | 1279  | 14174  |
| MEAN      | 49.3         | 40.9  | 46.7  | 53.1  | 59.6  | 66.9  | 76.1  | 77.8  | 70.8  | 60.4  | 51.9  | 44.1  | 57.2   |
| S.D.      | 6.607        | 6.951 | 7.037 | 6.098 | 4.311 | 3.694 | 3.414 | 3.374 | 5.978 | 6.535 | 7.204 | 6.626 | 14.168 |
| TOTAL OBS | 1209         | 1100  | 1279  | 1169  | 1279  | 1170  | 1116  | 1209  | 1170  | 1279  | 1170  | 1279  | 14174  |
| MEAN      | 41.7         | 42.6  | 46.7  | 55.6  | 62.7  | 69.1  | 77.7  | 80.2  | 73.7  | 63.5  | 54.9  | 46.1  | 59.6   |
| S.D.      | 7.216        | 7.691 | 7.567 | 6.619 | 5.721 | 4.780 | 4.676 | 4.688 | 6.572 | 7.502 | 8.137 | 7.371 | 14.639 |
| TOTAL OBS | 9671         | 8007  | 9671  | 9359  | 9671  | 9361  | 8977  | 9671  | 9359  | 9671  | 9361  | 9771  | 11340  |

DATA PROCESSING REPORT  
 MEANS AND STANDARD DEVIATIONS  
 WHEATVILLE, N. C. 28388

## MEANS AND STANDARD DEVIATIONS

WITH MEAN TEMPERATURES FOR EACH MONTHLY PERIOD

412601 1210 WS 80P 6/10/64-6/10/67 54-67

| STATION   |  | STATION NAME |  |       |  |       |  |       |  |       |  |       |  | YEARS |  |       |  |       |  |       |  |       |  |       |  |        |  |
|-----------|--|--------------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|--------|--|
| HRS (LST) |  | JAN          |  | FEB   |  | MAR   |  | APR   |  | MAY   |  | JUN   |  | JUL   |  | AUG.  |  | SEP   |  | OCT   |  | NOV   |  | DEC   |  | ANNUAL |  |
| -         |  | 37.4         |  | 37.4  |  | 42.1  |  | 51.1  |  | 52.7  |  | 61.8  |  | 73.9  |  | 74.5  |  | 67.8  |  | 56.1  |  | 48.9  |  | 41.1  |  | 51.1   |  |
| S D       |  | 6.194        |  | 6.083 |  | 7.401 |  | 7.259 |  | 6.947 |  | 6.322 |  | 5.830 |  | 5.295 |  | 5.585 |  | 6.474 |  | 7.174 |  | 6.809 |  | 14.177 |  |
| TOTAL OBS |  | 2            |  | 1171  |  | 1219  |  | 1170  |  | 1219  |  | 1170  |  | 1116  |  | 1209  |  | 1170  |  | 1209  |  | 1170  |  | 1219  |  | 14140  |  |
| -         |  | 37.4         |  | 37.4  |  | 41.1  |  | 46.4  |  | 46.1  |  | 63.4  |  | 71.7  |  | 74.2  |  | 67.1  |  | 56.7  |  | 48.1  |  | 41.7  |  | 51.1   |  |
| S D       |  | 6.177        |  | 6.067 |  | 7.516 |  | 7.481 |  | 6.144 |  | 4.553 |  | 5.189 |  | 3.473 |  | 5.895 |  | 6.370 |  | 7.218 |  | 6.866 |  | 14.101 |  |
| TOTAL OBS |  | 224          |  | 1111  |  | 1219  |  | 1170  |  | 1219  |  | 1170  |  | 1116  |  | 1209  |  | 1170  |  | 1209  |  | 1170  |  | 1219  |  | 14140  |  |
| 11-13     |  | 37.4         |  | 37.4  |  | 43.1  |  | 51.8  |  | 52.1  |  | 65.5  |  | 75.1  |  | 71.1  |  | 67.8  |  | 57.2  |  | 49.1  |  | 41.4  |  | 51.1   |  |
| S D       |  | 6.210        |  | 7.112 |  | 7.241 |  | 6.741 |  | 6.443 |  | 3.913 |  | 3.175 |  | 3.411 |  | 5.390 |  | 6.289 |  | 7.221 |  | 6.346 |  | 14.101 |  |
| TOTAL OBS |  | 219          |  | 1111  |  | 1219  |  | 1170  |  | 1219  |  | 1170  |  | 1116  |  | 1209  |  | 1170  |  | 1209  |  | 1170  |  | 1219  |  | 14140  |  |
| 11-13     |  | 37.4         |  | 41.2  |  | 47.1  |  | 54.6  |  | 61.5  |  | 67.6  |  | 70.6  |  | 72.1  |  | 71.3  |  | 61.9  |  | 55.1  |  | 44.7  |  | 51.1   |  |
| S D       |  | 6.635        |  | 6.492 |  | 6.509 |  | 5.650 |  | 7.751 |  | 3.512 |  | 3.275 |  | 2.979 |  | 3.342 |  | 5.823 |  | 6.742 |  | 6.444 |  | 14.140 |  |
| TOTAL OBS |  | 1219         |  | 1111  |  | 1219  |  | 1170  |  | 1219  |  | 1170  |  | 1116  |  | 1209  |  | 1149  |  | 1219  |  | 1170  |  | 1219  |  | 14140  |  |
| 12-14     |  | 37.4         |  | 42.4  |  | 48.2  |  | 55.3  |  | 62.2  |  | 68.2  |  | 77.2  |  | 78.5  |  | 73.5  |  | 62.7  |  | 53.2  |  | 45.7  |  | 58.6   |  |
| S D       |  | 6.545        |  | 6.784 |  | 6.519 |  | 5.600 |  | 3.747 |  | 3.394 |  | 3.299 |  | 2.909 |  | 5.196 |  | 5.716 |  | 6.774 |  | 6.553 |  | 13.671 |  |
| TOTAL OBS |  | 1209         |  | 1111  |  | 1219  |  | 1170  |  | 1219  |  | 1170  |  | 1116  |  | 1209  |  | 1170  |  | 1219  |  | 1170  |  | 1209  |  | 14140  |  |
| 13-17     |  | 37.4         |  | 41.3  |  | 47.1  |  | 54.5  |  | 61.4  |  | 67.7  |  | 76.8  |  | 78.3  |  | 71.3  |  | 61.7  |  | 52.2  |  | 44.2  |  | 57.9   |  |
| S D       |  | 6.489        |  | 6.758 |  | 6.630 |  | 5.797 |  | 3.747 |  | 3.416 |  | 3.371 |  | 2.962 |  | 5.379 |  | 5.868 |  | 6.919 |  | 6.532 |  | 14.161 |  |
| TOTAL OBS |  | 1210         |  | 1111  |  | 1219  |  | 1169  |  | 1219  |  | 1170  |  | 1116  |  | 1209  |  | 1170  |  | 1209  |  | 1170  |  | 1219  |  | 14140  |  |
| 18-20     |  | 37.3         |  | 39.7  |  | 44.4  |  | 52.3  |  | 59.2  |  | 66.1  |  | 75.2  |  | 76.2  |  | 69.1  |  | 58.2  |  | 49.7  |  | 41.1  |  | 51.7   |  |
| S D       |  | 6.250        |  | 6.762 |  | 7.045 |  | 6.233 |  | 4.811 |  | 3.598 |  | 3.094 |  | 2.972 |  | 5.838 |  | 6.242 |  | 6.919 |  | 6.310 |  | 14.291 |  |
| TOTAL OBS |  | 1209         |  | 1111  |  | 1219  |  | 1170  |  | 1219  |  | 1170  |  | 1116  |  | 1208  |  | 1170  |  | 1209  |  | 1170  |  | 1209  |  | 14140  |  |
| 21-23     |  | 36.6         |  | 38.2  |  | 43.1  |  | 51.6  |  | 57.6  |  | 64.9  |  | 74.4  |  | 75.1  |  | 67.9  |  | 56.7  |  | 46.5  |  | 41.3  |  | 54.6   |  |
| S D       |  | 6.179        |  | 6.829 |  | 7.300 |  | 6.736 |  | 4.611 |  | 3.975 |  | 3.000 |  | 3.192 |  | 6.324 |  | 6.413 |  | 7.088 |  | 6.339 |  | 14.319 |  |
| TOTAL OBS |  | 1219         |  | 1100  |  | 1219  |  | 1169  |  | 1216  |  | 1170  |  | 1116  |  | 1209  |  | 1170  |  | 1219  |  | 1170  |  | 1209  |  | 14140  |  |
| ALL HOURS |  | 37.7         |  | 39.3  |  | 44.7  |  | 52.3  |  | 59.2  |  | 65.4  |  | 75.1  |  | 76.3  |  | 69.6  |  | 58.8  |  | 50.4  |  | 41.6  |  | 56.0   |  |
| S D       |  | 6.513        |  | 7.145 |  | 7.394 |  | 6.809 |  | 4.834 |  | 4.212 |  | 3.437 |  | 3.510 |  | 6.374 |  | 6.646 |  | 7.324 |  | 6.644 |  | 14.365 |  |
| TOTAL OBS |  | 467          |  | 4507  |  | 9671  |  | 9356  |  | 3671  |  | 1360  |  | 8927  |  | 9671  |  | 9359  |  | 9671  |  | 9360  |  | 9072  |  | 113197 |  |

*J. C. = JOHN C. J. L. P. = RUTH L. P. G. = FRANK M. G. S. = N. A. = N. A. II*

$$64-1 \quad \text{A} = (KOP \cdot A / P) \cdot T \cdot CPM \quad 64-2$$

1210 WS FORM 0-89-5 (OLI)

DATA PROCESSING DIVISION  
ETAG, USAF  
ASHTABUL, N.Y. 20-01

## RELATIVE HUMIDITY

432-1 ACQUAP-0 KORTA/CHEQU-ED ROKA 7-10 84-87 PL  
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                         |
| JAN    | 011               | 100.0                                                  | 100.0 | 100.0 | 99.9  | 99.9  | 99.9 | 99.1 | 97.7 | 95.9 | 76.1                         | 957                     |
| FEB    |                   | 100.0                                                  | 100.0 | 100.0 | 99.6  | 97.7  | 97.7 | 96.6 | 93.7 | 90.6 | 71.1                         | 957                     |
| MAR    |                   | 100.0                                                  | 100.0 | 100.0 | 99.5  | 96.5  | 96.5 | 93.1 | 89.7 | 87.7 | 71.8                         | 957                     |
| APR    |                   | 100.0                                                  | 100.0 | 100.0 | 99.4  | 96.6  | 95.7 | 91.3 | 87.0 | 84.9 | 71.5                         | 957                     |
| MAY    |                   | 100.0                                                  | 100.0 | 100.0 | 99.7  | 97.7  | 97.7 | 95.5 | 94.0 | 91.7 | 81.4                         | 957                     |
| JUN    |                   | 100.0                                                  | 100.0 | 99.9  | 99.8  | 99.3  | 97.1 | 91.1 | 87.1 | 86.0 | 80.7                         | 957                     |
| JUL    |                   | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 97.0 | 94.0 | 91.5 | 80.7                         | 957                     |
| AUG    |                   | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.9  | 99.4 | 91.6 | 87.5 | 86.0 | 84.0                         | 957                     |
| SEP    |                   | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.2  | 94.0 | 83.4 | 80.0 | 77.5 | 81.0                         | 957                     |
| OCT    |                   | 100.0                                                  | 100.0 | 100.0 | 99.7  | 96.5  | 95.1 | 84.3 | 80.0 | 79.3 | 74.7                         | 957                     |
| NOV    |                   | 100.0                                                  | 100.0 | 99.8  | 99.4  | 96.5  | 93.0 | 80.1 | 81.0 | 80.5 | 81.7                         | 957                     |
| DEC    |                   | 100.0                                                  | 100.0 | 99.9  | 99.7  | 98.0  | 91.0 | 85.4 | 84.0 | 80.0 | 70.0                         | 957                     |
| TOTALS |                   | 100.0                                                  | 100.0 | 100.0 | 99.7  | 98.2  | 91.0 | 70.5 | 51.7 | 41.3 | 70.7                         | 1357                    |

3

## RELATIVE HUMIDITY

4309 7C-11P-KC-8A/CHEM-CI-8C-11-16-7

MON'S

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

U.S. DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D.C. 20535

## RELATIVE HUMIDITY

1997-1998 1998-1999 1999-2000 2000-2001 2001-2002 2002-2003 2003-2004 2004-2005 2005-2006 2006-2007 2007-2008 2008-2009 2009-2010 2010-2011 2011-2012 2012-2013 2013-2014 2014-2015 2015-2016 2016-2017 2017-2018 2018-2019 2019-2020 2020-2021 2021-2022 2022-2023 2023-2024 2024-2025 2025-2026 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 2033-2034 2034-2035 2035-2036 2036-2037 2037-2038 2038-2039 2039-2040 2040-2041 2041-2042 2042-2043 2043-2044 2044-2045 2045-2046 2046-2047 2047-2048 2048-2049 2049-2050 2050-2051 2051-2052 2052-2053 2053-2054 2054-2055 2055-2056 2056-2057 2057-2058 2058-2059 2059-2060 2060-2061 2061-2062 2062-2063 2063-2064 2064-2065 2065-2066 2066-2067 2067-2068 2068-2069 2069-2070 2070-2071 2071-2072 2072-2073 2073-2074 2074-2075 2075-2076 2076-2077 2077-2078 2078-2079 2079-2080 2080-2081 2081-2082 2082-2083 2083-2084 2084-2085 2085-2086 2086-2087 2087-2088 2088-2089 2089-2090 2090-2091 2091-2092 2092-2093 2093-2094 2094-2095 2095-2096 2096-2097 2097-2098 2098-2099 2099-2100 2100-2101 2101-2102 2102-2103 2103-2104 2104-2105 2105-2106 2106-2107 2107-2108 2108-2109 2109-2110 2110-2111 2111-2112 2112-2113 2113-2114 2114-2115 2115-2116 2116-2117 2117-2118 2118-2119 2119-2120 2120-2121 2121-2122 2122-2123 2123-2124 2124-2125 2125-2126 2126-2127 2127-2128 2128-2129 2129-2130 2130-2131 2131-2132 2132-2133 2133-2134 2134-2135 2135-2136 2136-2137 2137-2138 2138-2139 2139-2140 2140-2141 2141-2142 2142-2143 2143-2144 2144-2145 2145-2146 2146-2147 2147-2148 2148-2149 2149-2150 2150-2151 2151-2152 2152-2153 2153-2154 2154-2155 2155-2156 2156-2157 2157-2158 2158-2159 2159-2160 2160-2161 2161-2162 2162-2163 2163-2164 2164-2165 2165-2166 2166-2167 2167-2168 2168-2169 2169-2170 2170-2171 2171-2172 2172-2173 2173-2174 2174-2175 2175-2176 2176-2177 2177-2178 2178-2179 2179-2180 2180-2181 2181-2182 2182-2183 2183-2184 2184-2185 2185-2186 2186-2187 2187-2188 2188-2189 2189-2190 2190-2191 2191-2192 2192-2193 2193-2194 2194-2195 2195-2196 2196-2197 2197-2198 2198-2199 2199-2200 2200-2201 2201-2202 2202-2203 2203-2204 2204-2205 2205-2206 2206-2207 2207-2208 2208-2209 2209-2210 2210-2211 2211-2212 2212-2213 2213-2214 2214-2215 2215-2216 2216-2217 2217-2218 2218-2219 2219-2220 2220-2221 2221-2222 2222-2223 2223-2224 2224-2225 2225-2226 2226-2227 2227-2228 2228-2229 2229-2230 2230-2231 2231-2232 2232-2233 2233-2234 2234-2235 2235-2236 2236-2237 2237-2238 2238-2239 2239-2240 2240-2241 2241-2242 2242-2243 2243-2244 2244-2245 2245-2246 2246-2247 2247-2248 2248-2249 2249-2250 2250-2251 2251-2252 2252-2253 2253-2254 2254-2255 2255-2256 2256-2257 2257-2258 2258-2259 2259-2260 2260-2261 2261-2262 2262-2263 2263-2264 2264-2265 2265-2266 2266-2267 2267-2268 2268-2269 2269-2270 2270-2271 2271-2272 2272-2273 2273-2274 2274-2275 2275-2276 2276-2277 2277-2278 2278-2279 2279-2280 2280-2281 2281-2282 2282-2283 2283-2284 2284-2285 2285-2286 2286-2287 2287-2288 2288-2289 2289-2290 2290-2291 2291-2292 2292-2293 2293-2294 2294-2295 2295-2296 2296-2297 2297-2298 2298-2299 2299-2300 2300-2301 2301-2302 2302-2303 2303-2304 2304-2305 2305-2306 2306-2307 2307-2308 2308-2309 2309-2310 2310-2311 2311-2312 2312-2313 2313-2314 2314-2315 2315-2316 2316-2317 2317-2318 2318-2319 2319-2320 2320-2321 2321-2322 2322-2323 2323-2324 2324-2325 2325-2326 2326-2327 2327-2328 2328-2329 2329-2330 2330-2331 2331-2332 2332-2333 2333-2334 2334-2335 2335-2336 2336-2337 2337-2338 2338-2339 2339-2340 2340-2341 2341-2342 2342-2343 2343-2344 2344-2345 2345-2346 2346-2347 2347-2348 2348-2349 2349-2350 2350-2351 2351-2352 2352-2353 2353-2354 2354-2355 2355-2356 2356-2357 2357-2358 2358-2359 2359-2360 2360-2361 2361-2362 2362-2363 2363-2364 2364-2365 2365-2366 2366-2367 2367-2368 2368-2369 2369-2370 2370-2371 2371-2372 2372-2373 2373-2374 2374-2375 2375-2376 2376-2377 2377-2378 2378-2379 2379-2380 2380-2381 2381-2382 2382-2383 2383-2384 2384-2385 2385-2386 2386-2387 2387-2388 2388-2389 2389-2390 2390-2391 2391-2392 2392-2393 2393-2394 2394-2395 2395-2396 2396-2397 2397-2398 2398-2399 2399-2400 2400-2401 2401-2402 2402-2403 2403-2404 2404-2405 2405-2406 2406

SECTION

STATION NAME

PER-02

— — — — —

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |
|-------|----------------|--------------------------------------------------------|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
|       |                | 10%                                                    | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                        |
| F     | 12-1           | 122.7                                                  | 100.0 | 100.0 | 99.0  | 97.7 | 97.4 | 96.8 | 96.0 | 95.0 | 93.7                         | 100.0                  |
|       | 1              | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.0 | 97.7 | 96.8 | 95.0 | 93.7 | 93.7                         | 100.0                  |
|       | 6-10           | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.0 | 97.7 | 96.8 | 95.0 | 93.7 | 93.7                         | 100.0                  |
|       | 9-11           | 100.0                                                  | 100.0 | 100.0 | 99.0  | 94.0 | 97.7 | 96.8 | 95.0 | 93.7 | 93.7                         | 100.0                  |
|       | 12-14          | 100.0                                                  | 100.0 | 100.0 | 99.0  | 90.0 | 97.7 | 96.8 | 95.0 | 93.7 | 93.7                         | 100.0                  |
|       | 15-17          | 100.0                                                  | 100.0 | 100.0 | 99.0  | 94.1 | 97.7 | 96.8 | 95.0 | 93.7 | 93.7                         | 100.0                  |
|       | 18-2           | 100.0                                                  | 100.0 | 100.0 | 99.0  | 99.0 | 97.7 | 96.8 | 95.0 | 93.7 | 93.7                         | 100.0                  |
|       | 1-12           | 122.7                                                  | 100.0 | 100.0 | 100.0 | 99.4 | 95.7 | 94.4 | 91.7 | 86.1 | 77.9                         | 100.0                  |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
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|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |
|       |                |                                                        |       |       |       |      |      |      |      |      |                              |                        |

1010 21 G-STREET DIVISION  
7-10-11  
1010 21 G-STREET DIVISION

## 4-203 100ALP-2 ALP-2/CHH-1 100-10 15-7

STATION

STATION NAME

PERIOD

MCN<sup>2</sup>H

[illegible]



4-56 10-110-0 K100A/CHEV-BE 400 - 11 45-17

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

DATE RECEIVED BY DIVISION  
JUL. 1951  
S. M. VILLE, S. L. 200.1

| STATION | STATION NAME                          | PERIOD | MONTH |
|---------|---------------------------------------|--------|-------|
| 4221    | W. 11.0-2 N. 10.0-2 (11.0-2) - 11.0-2 | 11.0-2 |       |

[illegible]

| 4-72    | INTELLO - K 0087169 - (L) 100 - 100 | 15-7   |       |
|---------|-------------------------------------|--------|-------|
| STATION | STATION NAME                        | PERIOD | MONTH |

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

LATA POLICE DIVISION  
-TOL, ILL  
AUBVILLE, ILL 200.1

## RELATIVE HUMIDITY

1

— — — — —

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(U.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |       |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|-------|-------|-------|-------|-------|------|------|------------------------------|-------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   | 80%  | 90%  |                              |                         |
| JUL    | 01-02             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.0 | 76.7 | 70.0                         | 1113                    |
|        | 03-05             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 91.0 | 70.1 | 74.0                         | 1110                    |
|        | 06-08             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 94.7  | 50.7 | 74.0 | 71.9                         | 1110                    |
|        | 09-11             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 99.0  | 97.0  | 77.1 | 41.0 | 67.0                         | 1110                    |
|        | 12-14             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.9  | 98.9  | 94.4  | 69.1 | 34.0 | 60.4                         | 1110                    |
|        | 15-17             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 98.7  | 94.7  | 71.7 | 39.4 | 60.0                         | 1110                    |
|        | 18-20             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.0  | 90.1 | 59.0 | 70.0                         | 1110                    |
|        | 21-23             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.0 | 59.0 | 70.0                         | 1110                    |
|        |                   |                                                        |       |       |       |       |       |       |      |      |                              |                         |
|        |                   |                                                        |       |       |       |       |       |       |      |      |                              |                         |
|        |                   |                                                        |       |       |       |       |       |       |      |      |                              |                         |
|        |                   |                                                        |       |       |       |       |       |       |      |      |                              |                         |
| TOTALS |                   | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 99.7  | 98.0  | 87.0 | 57.5 | 70.0                         | 1117                    |

JOHN H. GUNDEL, DIVISION  
OF, USAF  
ALBUQUERQUE, N.M. 87111

## 4-263      MC LUF-2 X PFA/CHL : -0.575      -35      4-11

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|-------|-------|-------|-------|-------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%   | 50%   | 60%   | 70%  | 80%  | 90%  |                              |                         |
| April  | 00-5              | 100.                                                   | 100.  | 100.0 | 100.0 | 100.  | 100.0 | 99.1 | 97.4 | 96.6 | 89.0                         | 12 9                    |
|        | 6-11              | 100.0                                                  | 100.  | 100.0 | 100.0 | 100.  | 100.  | 98.9 | 94.  | 87.2 | 75.0                         | 17 9                    |
|        | 6-11              | 100.                                                   | 100.  | 100.0 | 100.0 | 100.0 | 99.0  | 96.6 | 77.  | 61.6 | 36.7                         | 12 9                    |
|        | 09-14             | 100.                                                   | 100.0 | 100.0 | 100.0 | 99.9  | 99.   | 94.0 | 43.1 | 17.9 | 73.0                         | 12 9                    |
|        | 12-14             | 100.0                                                  | 100.  | 100.0 | 100.0 | 99.1  | 97.7  | 70.9 | 31.7 | 10.0 | 77.4                         | 12 9                    |
|        | 15-17             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.9  | 98.0  | 61.6 | 40.3 | 10.8 | 70.0                         | 12 9                    |
|        | 18-0              | 100.0                                                  | 100.  | 100.0 | 100.0 | 100.  | 99.7  | 96.9 | 73.7 | 31.1 | 90.0                         | 12 9                    |
|        | 21-23             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.  | 98.8 | 91.0 | 43.0 | 30.0                         | 12 9                    |
|        |                   |                                                        |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |                                                        |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |                                                        |       |       |       |       |       |      |      |      |                              |                         |
| TOTALS |                   | 100.                                                   | 100.0 | 100.0 | 100.0 | 99.9  | 99.4  | 91.6 | 67.0 | 30.5 | 84.0                         | 9071                    |

## 4-226 PULP-C KIRSEA/CFFR-DC PCR 4-26 4-26

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

3

DATA PROCESSING CENTER  
ETAC, LRP  
AIR-VILLE, N.J. 20851

## RELATIVE HUMIDITY

41203 NORTHERN AVENUE/CHERRY - 01 208 4-66 1  
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |
|--------|-------------------|--------------------------------------------------------|-------|-------|-------|-------|------|------|------|------|------------------------------|------------------------|
|        |                   | 10%                                                    | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                        |
| 01     | 30-32             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.5  | 98.0 | 85.4 | 57.6 | 10.0 | 60.0                         | 10                     |
|        | 03-05             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 98.0 | 91.6 | 61.2 | 10.0 | 60.0                         | 10                     |
|        | 06-08             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.5  | 94.8 | 70.0 | 40.0 | 10.0 | 77.5                         | 1219                   |
|        | 09-11             | 100.0                                                  | 100.0 | 100.0 | 99.3  | 91.9  | 64.4 | 35.5 | 11.8 | 3.0  | 60.0                         | 1179                   |
|        | 12-14             | 100.0                                                  | 100.0 | 99.8  | 98.8  | 87.8  | 67.5 | 38.5 | 10.0 | 3.0  | 64.0                         | 1219                   |
|        | 15-17             | 100.0                                                  | 100.0 | 100.0 | 99.3  | 94.8  | 73.4 | 38.7 | 17.5 | 4.5  | 60.0                         | 1219                   |
|        | 18-20             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.4  | 95.8 | 74.3 | 37.9 | 5.0  | 77.1                         | 1219                   |
|        | 21-23             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.7  | 97.8 | 84.5 | 50.4 | 12.4 | 60.0                         | 1219                   |
|        |                   |                                                        |       |       |       |       |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |       |       |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |       |       |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |       |       |      |      |      |      |                              |                        |
|        |                   |                                                        |       |       |       |       |      |      |      |      |                              |                        |
| TOTALS |                   | 100.0                                                  | 100.0 | 100.0 | 99.7  | 92.5  | 85.1 | 64.3 | 36.2 | 9.3  | 74.7                         | 9071                   |

## 4-2.3 POLYMER-CLAY COMPOSITE - 3 54-54

STATION

STATION NAME

PERIOD

NOTE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH     | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|-----------|-------------------|--------------------------------------------------------|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
|           |                   | 10%                                                    | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                         |
| MAY       | 01-31             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.0  | 97.7 | 95.0 | 90.0 | 83.7 | 75.0                         | 100                     |
| JUNE      | 01-30             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 100.0 | 97.0 | 93.7 | 84.0 | 73.7 | 65.0                         | 100                     |
| JULY      | 01-31             | 100.0                                                  | 100.0 | 99.9  | 99.4  | 96.0  | 93.0 | 79.6 | 67.0 | 56.5 | 47.0                         | 100                     |
| AUGUST    | 01-31             | 100.0                                                  | 99.9  | 97.6  | 95.4  | 90.7  | 83.0 | 75.1 | 65.0 | 56.0 | 48.0                         | 100                     |
| SEPTEMBER | 01-30             | 100.0                                                  | 100.0 | 99.4  | 97.7  | 97.0  | 95.0 | 90.0 | 81.0 | 70.0 | 63.0                         | 100                     |
| OCTOBER   | 01-31             | 100.0                                                  | 100.0 | 99.8  | 99.3  | 95.0  | 91.0 | 81.5 | 70.0 | 60.0 | 50.0                         | 100                     |
| NOVEMBER  | 01-30             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.0  | 96.0 | 79.0 | 68.0 | 58.0 | 50.0                         | 100                     |
| DECEMBER  | 01-31             | 100.0                                                  | 100.0 | 100.0 | 100.0 | 99.7  | 98.6 | 78.0 | 67.0 | 58.5 | 50.0                         | 100                     |
| TOTALS    |                   | 100.0                                                  | 100.0 | 99.8  | 99.4  | 96.5  | 93.9 | 80.1 | 68.0 | 58.5 | 50.0                         | 999                     |



4.12:  $\gamma_{\text{LTP}} = 1$  (i.e.  $\gamma_{\text{LTP}} = 100\%$ )  $\Rightarrow$   $\gamma_{\text{LTP}} = 1$   $\Rightarrow$   $\gamma_{\text{LTP}} = 1$

-----  
MONTH

| MONTH  | HOURS<br>(U.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------------------------------------------|------|------|------|------|------|------|------|-----|------------------------------|-------------------------|
|        |                   | 10%                                                    | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% |                              |                         |
| DE     | 1-5               | 100.                                                   | 100. | 100. | 100. | 100. | 97.  | 87.6 | 71.  | 60. | 75.                          | 10                      |
|        | 6-10              | 100.                                                   | 100. | 100. | 100. | 99.8 | 97.7 | 81.7 | 51.7 | 30. | 74.8                         | 10                      |
|        | 11-15             | 100.                                                   | 100. | 100. | 99.9 | 99.7 | 97.  | 77.2 | 42.  | 20. | 78.                          | 10                      |
|        | 16-20             | 100.                                                   | 100. | 99.8 | 99.7 | 98.8 | 78.  | 45.7 | 15.  | 5.  | 65.6                         | 10                      |
|        | 21-25             | 100.                                                   | 100. | 99.8 | 97.5 | 96.1 | 75.6 | 41.6 | 11.  | 2.7 | 71.                          | 10                      |
|        | 26-30             | 100.                                                   | 100. | 100. | 99.8 | 98.7 | 88.  | 59.4 | 25.  | 3.  | 75.                          | 10                      |
|        | 31                | 100.                                                   | 100. | 100. | 100. | 100. | 97.  | 79.5 | 36.5 | 5.5 | 77.7                         | 10                      |
|        | TOTAL             | 100.                                                   | 100. | 100. | 100. | 99.9 | 97.5 | 82.6 | 45.9 | 6.7 | 75.                          | 100                     |
|        |                   |                                                        |      |      |      |      |      |      |      |     |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |     |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |     |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |     |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |     |                              |                         |
|        |                   |                                                        |      |      |      |      |      |      |      |     |                              |                         |
| TOTALS |                   | 100.                                                   | 100. | 99.9 | 97.9 | 98.9 | 91.5 | 69.4 | 34.9 | 5.9 | 75.6                         | 97.5                    |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

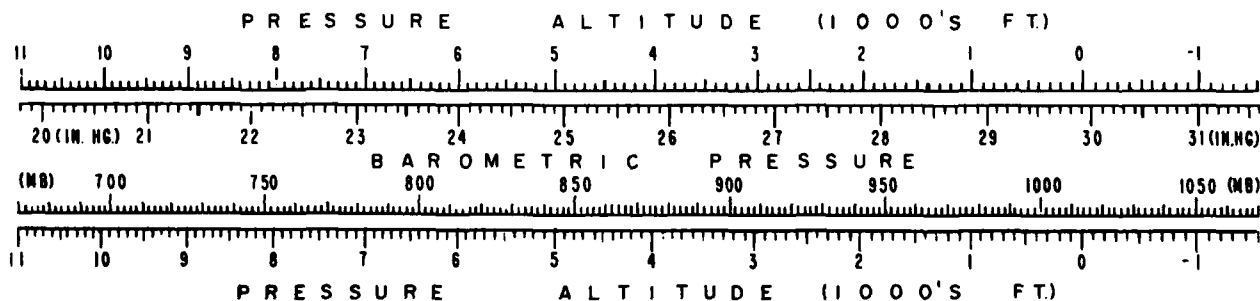
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



UNITED STATES DIVISION  
JULY 1964  
ATKINSVILLE, N. D. 58001

# MEANS AND STANDARD DEVIATIONS

STATION PREVIOUS TO DISCARD FROM FIELD OBSERVATION

42044 APRIL-10 KORIA/CHU -00 116 8-24 14-17

| STATION   |  | STATION NAME |        |        |        |        |        |        |        |        |        |        |        | YEARS   |         |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--|--|--|--|--|--|--|--|--|--|--|--|
| HRS (LST) |  | JAN          | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANNUAL  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MEAN      |  | .1630        | .1430  | .1470  | .1500  | .1360  | .1270  | .1170  | .1410  | .1460  | .1530  | .1560  | .1560  | .1540   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| S D       |  | .1070        | .1480  | .1670  | .1500  | .1360  | .1270  | .1170  | .1410  | .1460  | .1530  | .1560  | .1560  | .1540   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL OBS |  | 403          | 366    | 403    | 390    | 403    | 390    | 372    | 403    | 390    | 403    | 390    | 403    | 4712    |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MEAN      |  | .14930       | .12530 | .07529 | .03329 | .01129 | .71129 | .67729 | .67029 | .69330 | .61230 | .11330 | .15630 | .19.140 |         |  |  |  |  |  |  |  |  |  |  |  |  |
| S D       |  | .1670        | .1500  | .1660  | .1570  | .1370  | .1160  | .1170  | .1410  | .1500  | .1230  | .1290  | .1250  | .1250   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL OBS |  | 403          | 367    | 403    | 390    | 403    | 390    | 371    | 403    | 390    | 403    | 390    | 403    | 4710    |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MEAN      |  | .17330       | .14730 | .06229 | .06629 | .04329 | .71929 | .67729 | .71029 | .82030 | .64030 | .16130 | .16730 | .20.161 |         |  |  |  |  |  |  |  |  |  |  |  |  |
| S D       |  | .1630        | .1520  | .1770  | .1600  | .1400  | .1280  | .1160  | .1410  | .1430  | .1230  | .1100  | .1160  | .1230   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL OBS |  | 403          | 367    | 403    | 390    | 403    | 390    | 372    | 403    | 390    | 403    | 390    | 403    | 4717    |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MEAN      |  | .17630       | .14930 | .06229 | .06629 | .04329 | .73129 | .67629 | .71429 | .82330 | .63030 | .11330 | .17330 | .19.161 |         |  |  |  |  |  |  |  |  |  |  |  |  |
| S D       |  | .1630        | .1510  | .1770  | .1600  | .1420  | .1180  | .1170  | .1410  | .1490  | .1210  | .1110  | .1150  | .1200   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL OBS |  | 403          | 367    | 403    | 390    | 403    | 390    | 372    | 403    | 390    | 403    | 390    | 403    | 4717    |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MEAN      |  | .17330       | .14930 | .06229 | .06629 | .04329 | .71129 | .67729 | .69029 | .81229 | .64030 | .11330 | .11330 | .19.161 |         |  |  |  |  |  |  |  |  |  |  |  |  |
| S D       |  | .1630        | .1510  | .1770  | .1600  | .1420  | .1180  | .1170  | .1440  | .1350  | .1200  | .1110  | .1160  | .1200   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL OBS |  | 403          | 367    | 403    | 390    | 403    | 390    | 371    | 403    | 390    | 403    | 390    | 403    | 4710    |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MEAN      |  | .14730       | .14730 | .11930 | .07330 | .07229 | .66929 | .68129 | .67829 | .80130 | .67530 | .11330 | .11330 | .20.140 |         |  |  |  |  |  |  |  |  |  |  |  |  |
| S D       |  | .1570        | .1490  | .1660  | .1560  | .1390  | .1110  | .1150  | .1390  | .1360  | .1210  | .1290  | .1260  | .1250   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL OBS |  | 403          | 366    | 403    | 390    | 403    | 390    | 372    | 403    | 390    | 403    | 390    | 403    | 4710    |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MEAN      |  | .17130       | .12430 | .06229 | .05629 | .03529 | .71729 | .67929 | .69929 | .82630 | .63230 | .13030 | .17330 | .20.140 |         |  |  |  |  |  |  |  |  |  |  |  |  |
| S D       |  | .1550        | .1450  | .1660  | .1530  | .1370  | .1150  | .1110  | .1380  | .1330  | .1210  | .1290  | .1390  | .1250   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL OBS |  | 403          | 367    | 403    | 390    | 403    | 390    | 372    | 403    | 389    | 403    | 390    | 403    | 4710    |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MEAN      |  | .17130       | .13730 | .05129 | .06329 | .01829 | .73029 | .69529 | .70929 | .81130 | .63530 | .13030 | .17130 | .20.140 |         |  |  |  |  |  |  |  |  |  |  |  |  |
| S D       |  | .1540        | .1460  | .1650  | .1540  | .1340  | .1140  | .1130  | .1410  | .1370  | .1200  | .1300  | .1370  | .1200   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL OBS |  | 403          | 366    | 403    | 389    | 403    | 390    | 372    | 403    | 389    | 403    | 390    | 403    | 4712    |         |  |  |  |  |  |  |  |  |  |  |  |  |
| ALL HOURS |  | MEAN         | .16330 | .12530 | .04229 | .04429 | .02629 | .71729 | .67129 | .69729 | .61630 | .12230 | .12230 | .16430  | .20.140 |  |  |  |  |  |  |  |  |  |  |  |  |
| S D       |  | .1590        | .1490  | .1690  | .1570  | .1390  | .1160  | .1160  | .1410  | .1410  | .1220  | .1300  | .1370  | .1230   |         |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL OBS |  | 3224         | 2933   | 3222   | 3119   | 3223   | 3120   | 2974   | 3224   | 3118   | 3223   | 3120   | 3224   | 3774    |         |  |  |  |  |  |  |  |  |  |  |  |  |

1. *Journal of the American Medical Association*, 1977; 237: 1001-1002.  
 2. *Journal of the American Medical Association*, 1977; 237: 1002-1003.  
 3. *Journal of the American Medical Association*, 1977; 237: 1003-1004.

### MEANS AND STANDARD DEVIATIONS

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$$0.20^{\circ} \quad \text{and} \quad \text{the} \quad \text{ratio} \quad \text{of} \quad \text{the} \quad \text{two} \quad \text{is} \quad 0.10^{\circ} \quad \text{and} \quad 0.05^{\circ}$$
[illegible]

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