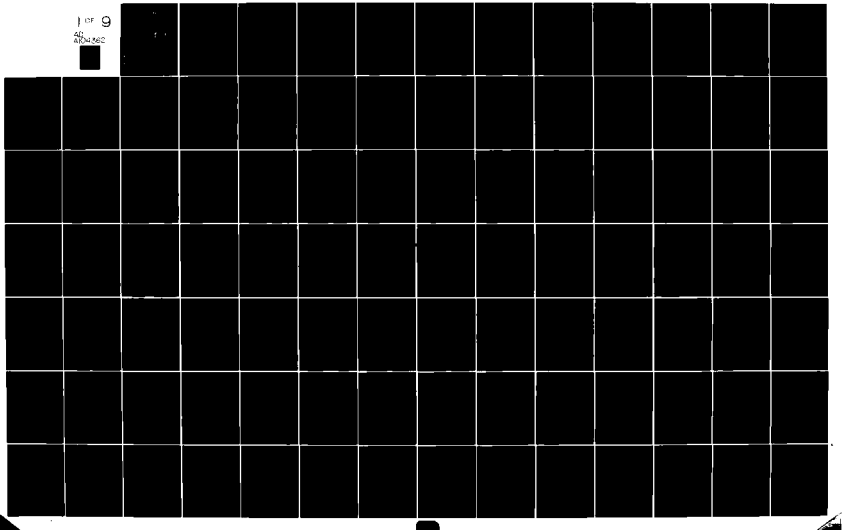
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PLASMASPHERIC, FARADAY AND TOTAL ELECTRON CONTENTS, 1977 AND 1978

Thomas H. Roelofs

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Honolulu, Hawaii

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Final Report
October 1977 - November 1980

December 1980

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Plasmaspheric Electron Content
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Faraday Rotation

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

These volumes contain the experimental results of monitoring the Faraday rotation and group delay of VHF and UHF signals transmitted from the ATS-6 geostationary satellite at a station located at Palehua, Hawaii. The Faraday rotation data represents the electron content measured out to a vertical height of approximately 2000-3000 kilometers, while the group delay is a measure of the total electron content along the entire path from

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20. Abstract (continued)

station to the ATS-6 satellite. The difference between these two measures of electron content has been defined as the plasmaspheric electron content along the slant path from heights above 2000-3000 kilometers to the ATS-6 satellite.

Also included in the data tables are values of the equivalent vertical slab thickness defined as the ratio of vertical electron content obtained by the Faraday rotation measurement divided by the density at the peak of the ionospheric F region obtained from measurements of f0F2 from the Maui Ionosonde.

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PLASMASPHERIC, FARADAY
AND
TOTAL ELECTRON CONTENTS
1977

This volume contains daily graphs and tables of plasmaspheric, Faraday and total electron contents of the ionosphere, from 20 September 1977 to 31 December 1977. Each page contains data for one day based on Hawaiian Standard Time = UT + 10 hours.

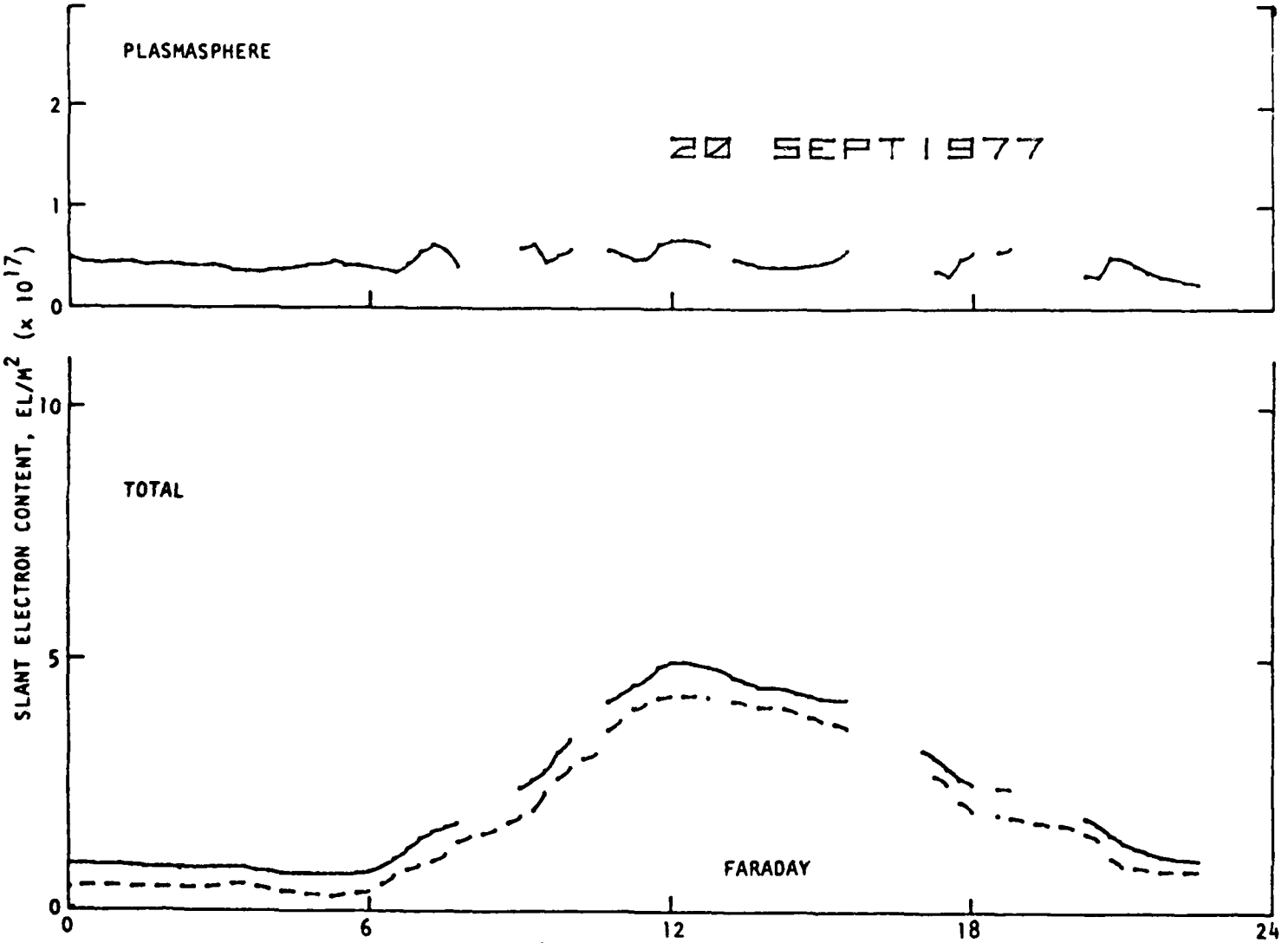
Support of the Atmospheric Sciences Section of the National Science Foundation and the United States Air Force is gratefully acknowledged.

The many hours of work contributed by students Mike Takashita, Lily Dung, and Ginni Mannion are deeply appreciated.

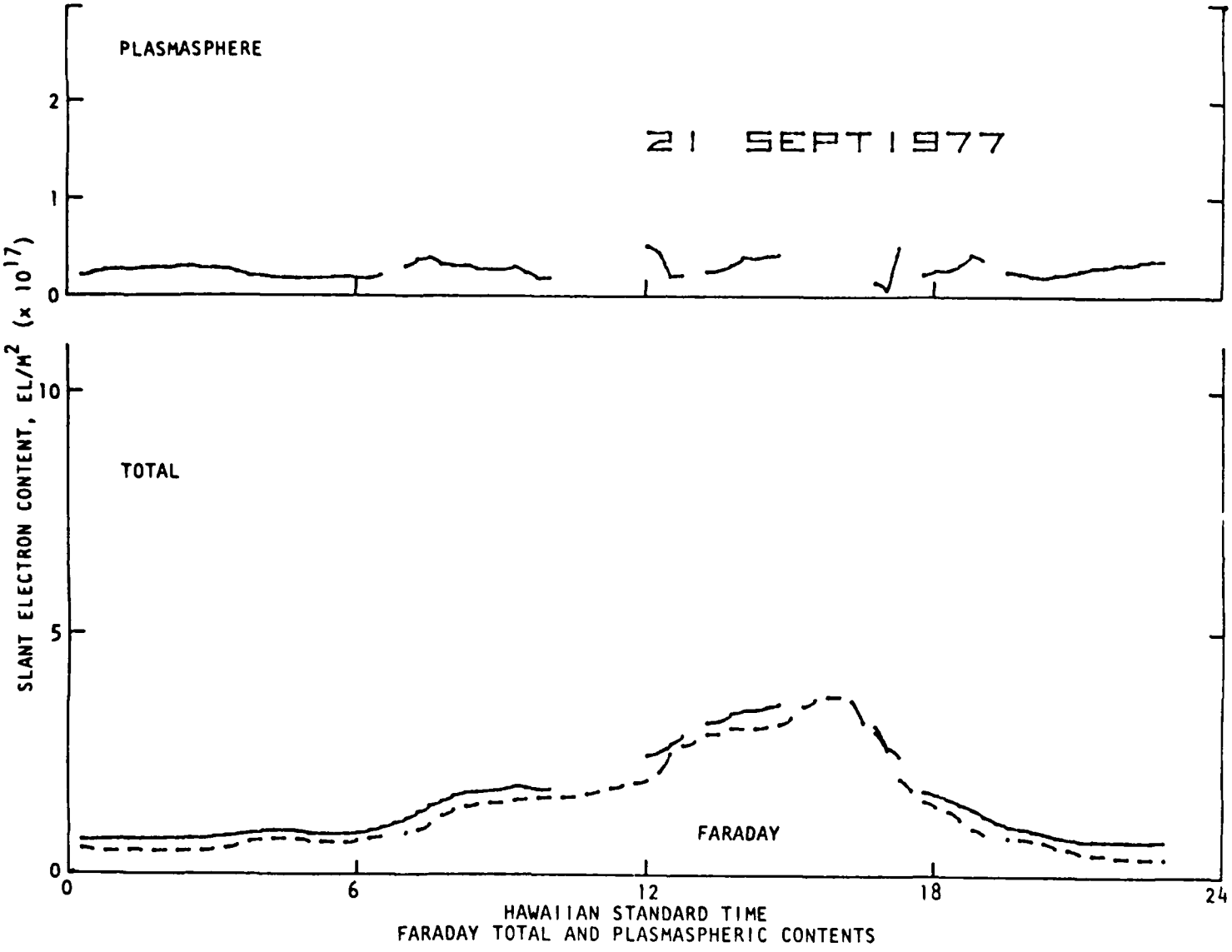
Thomas H. Roelofs
Professor of Electrical Engineering

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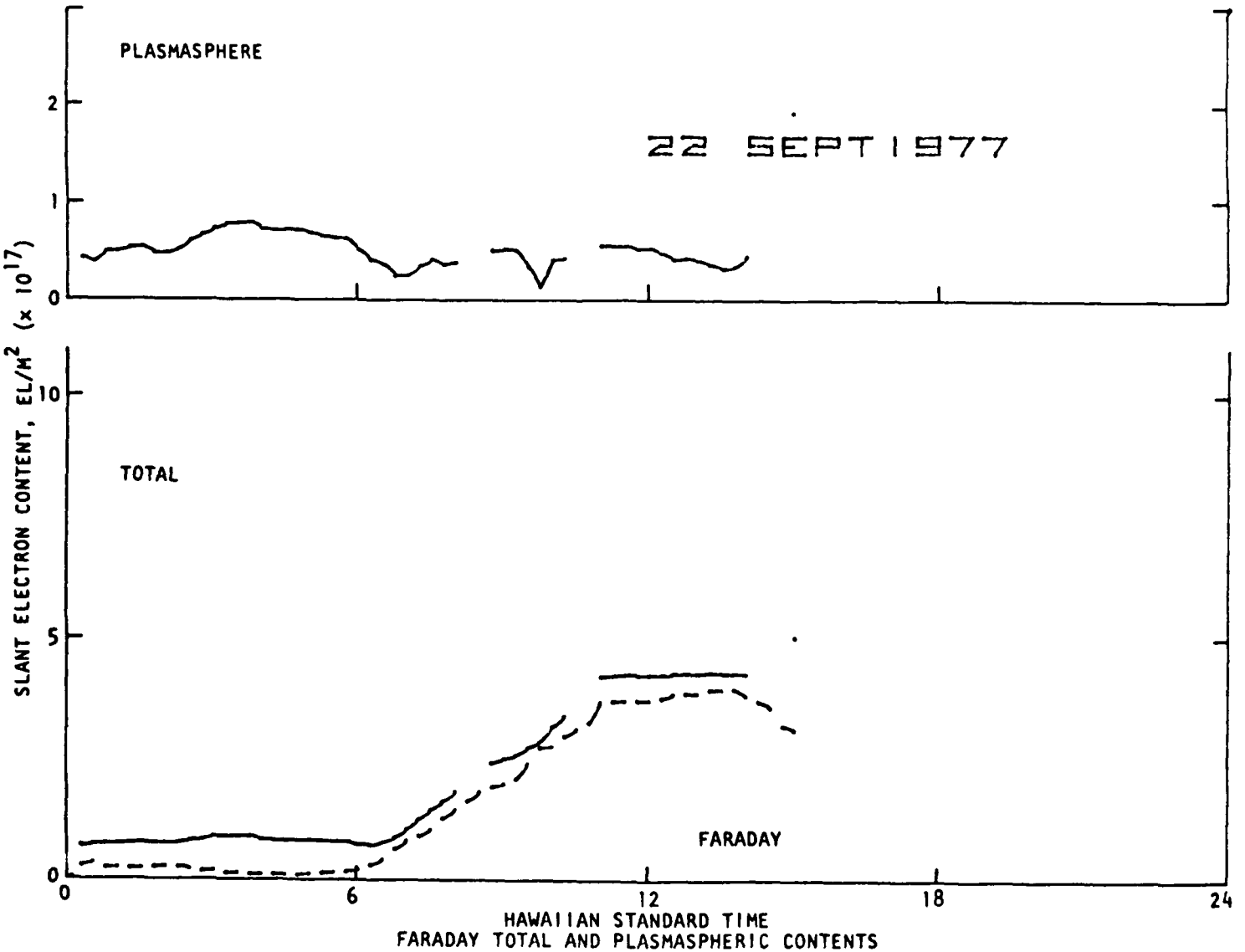
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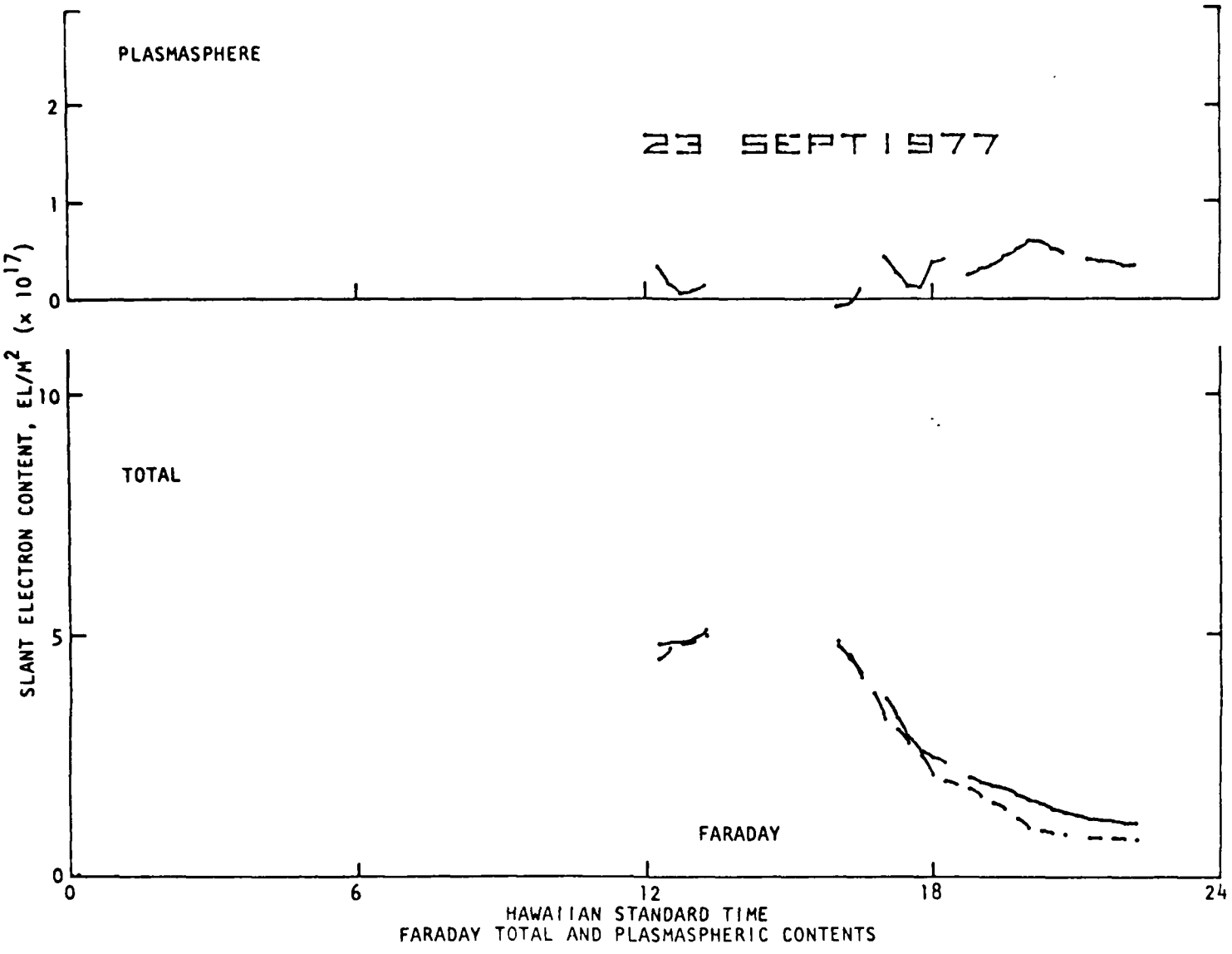
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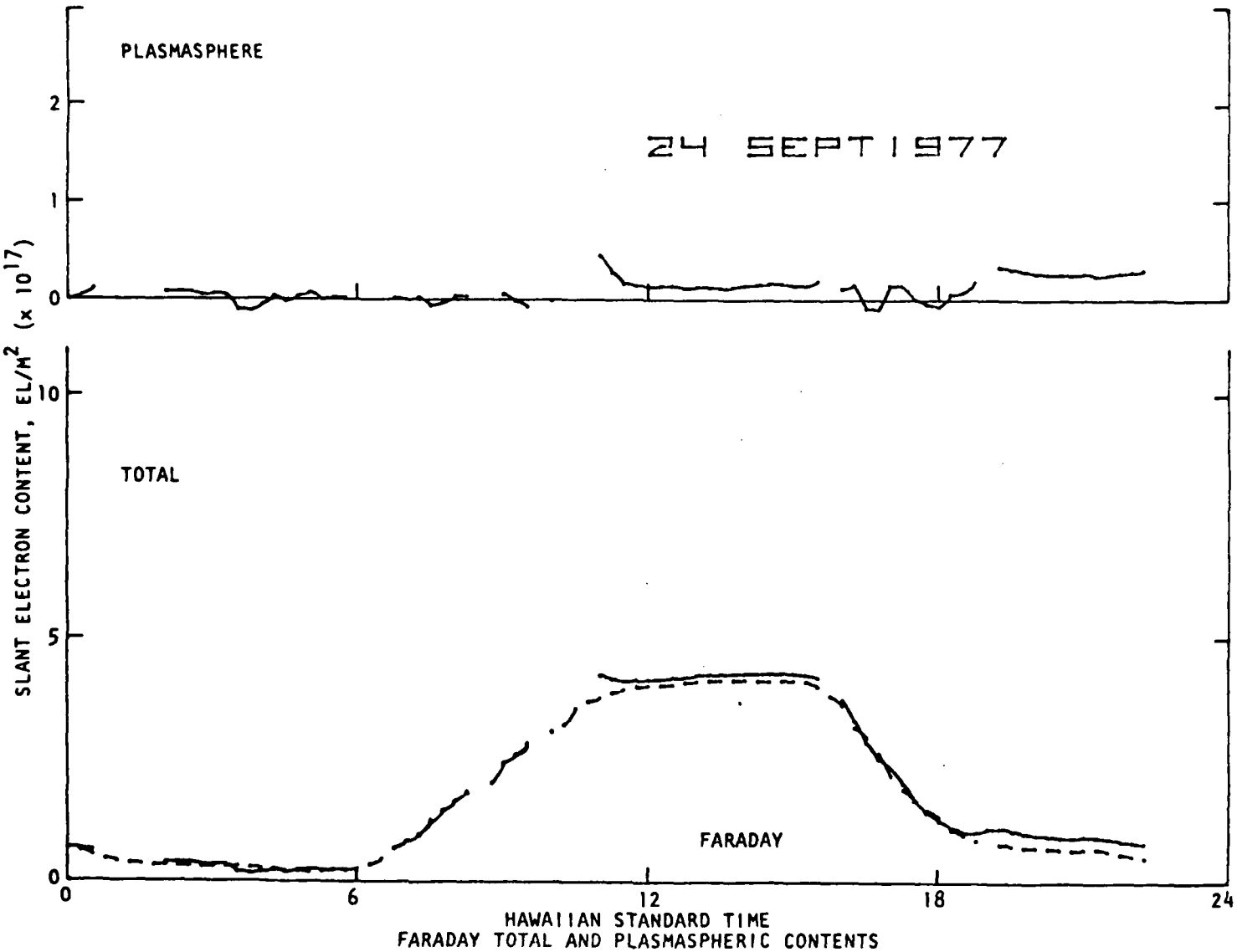
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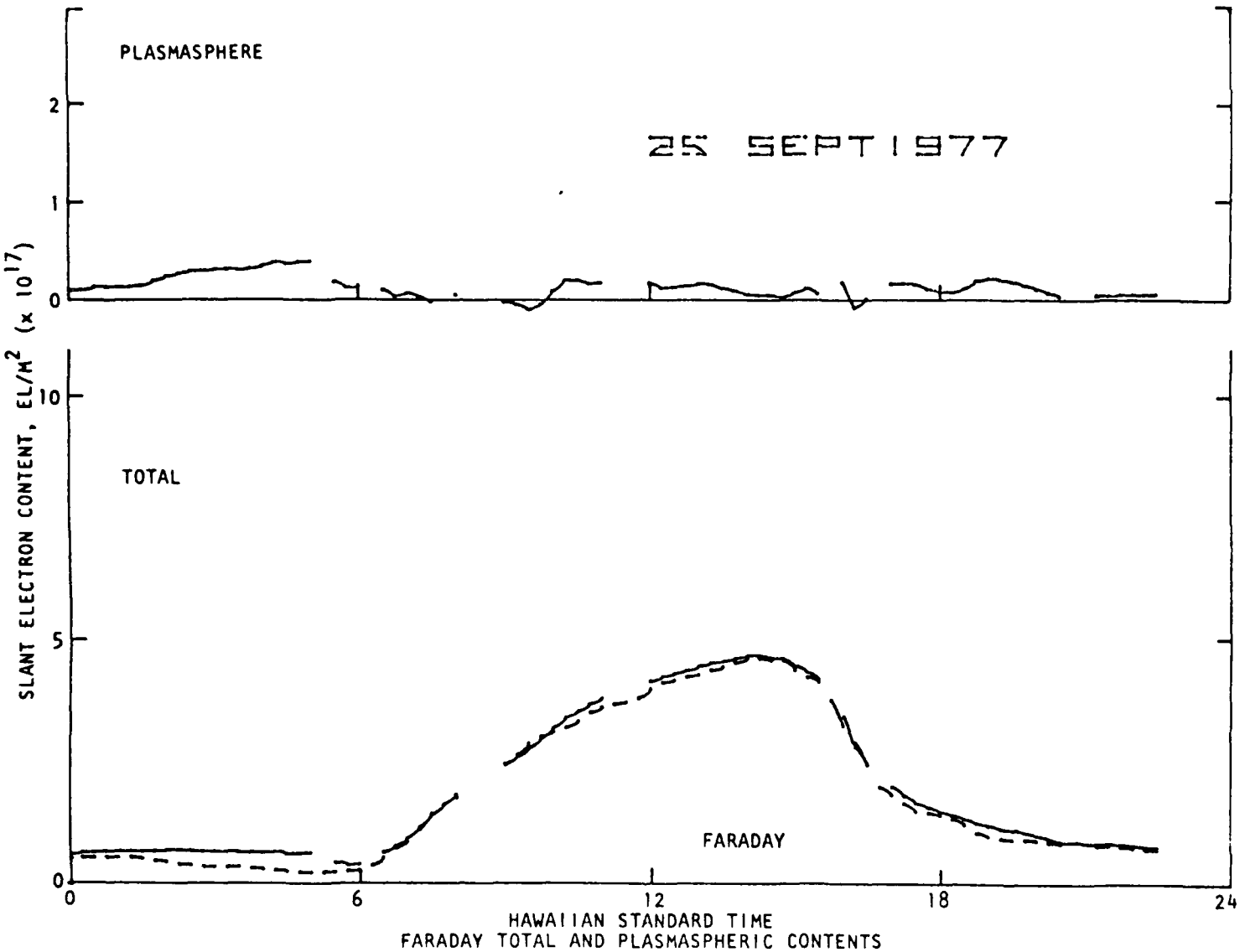
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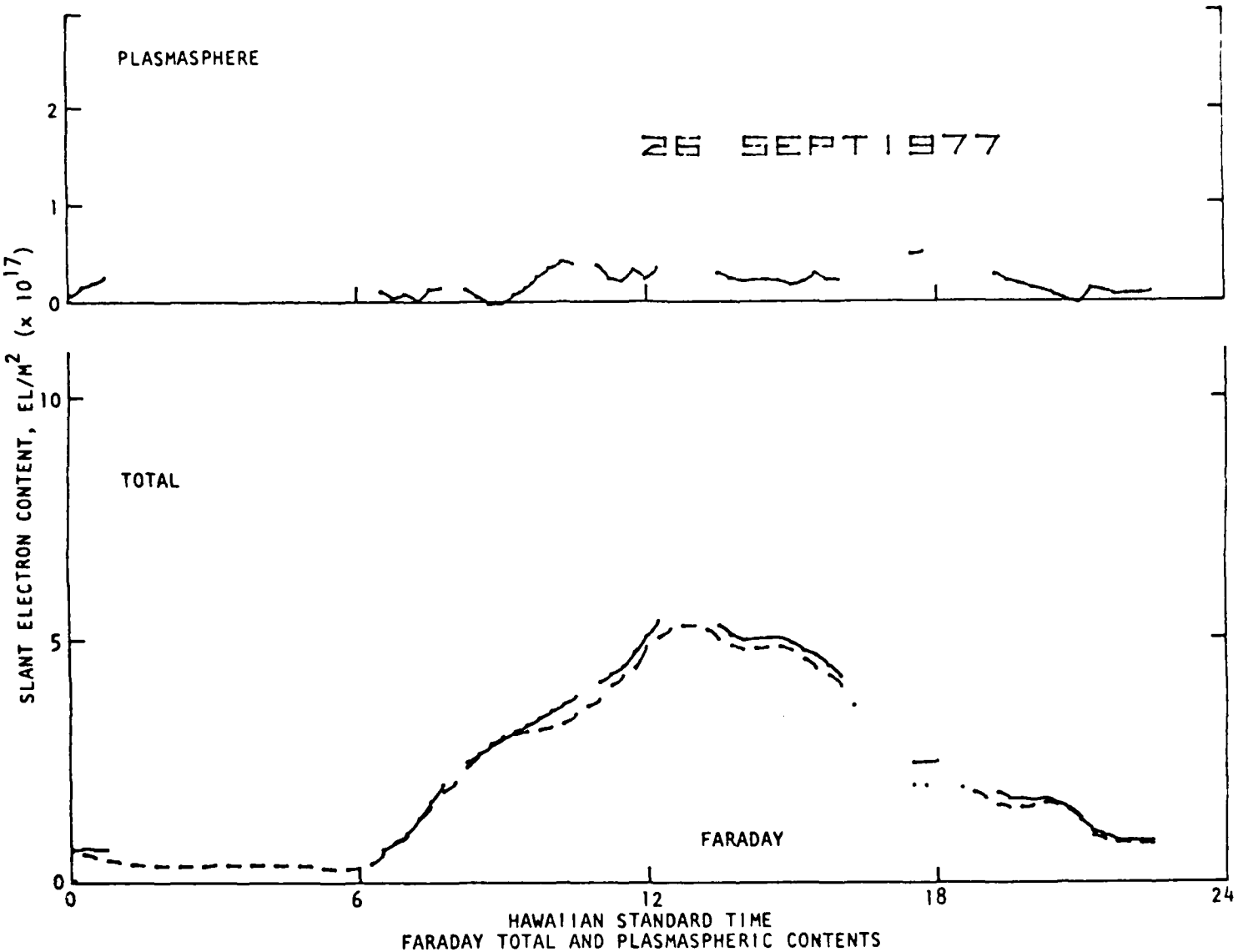
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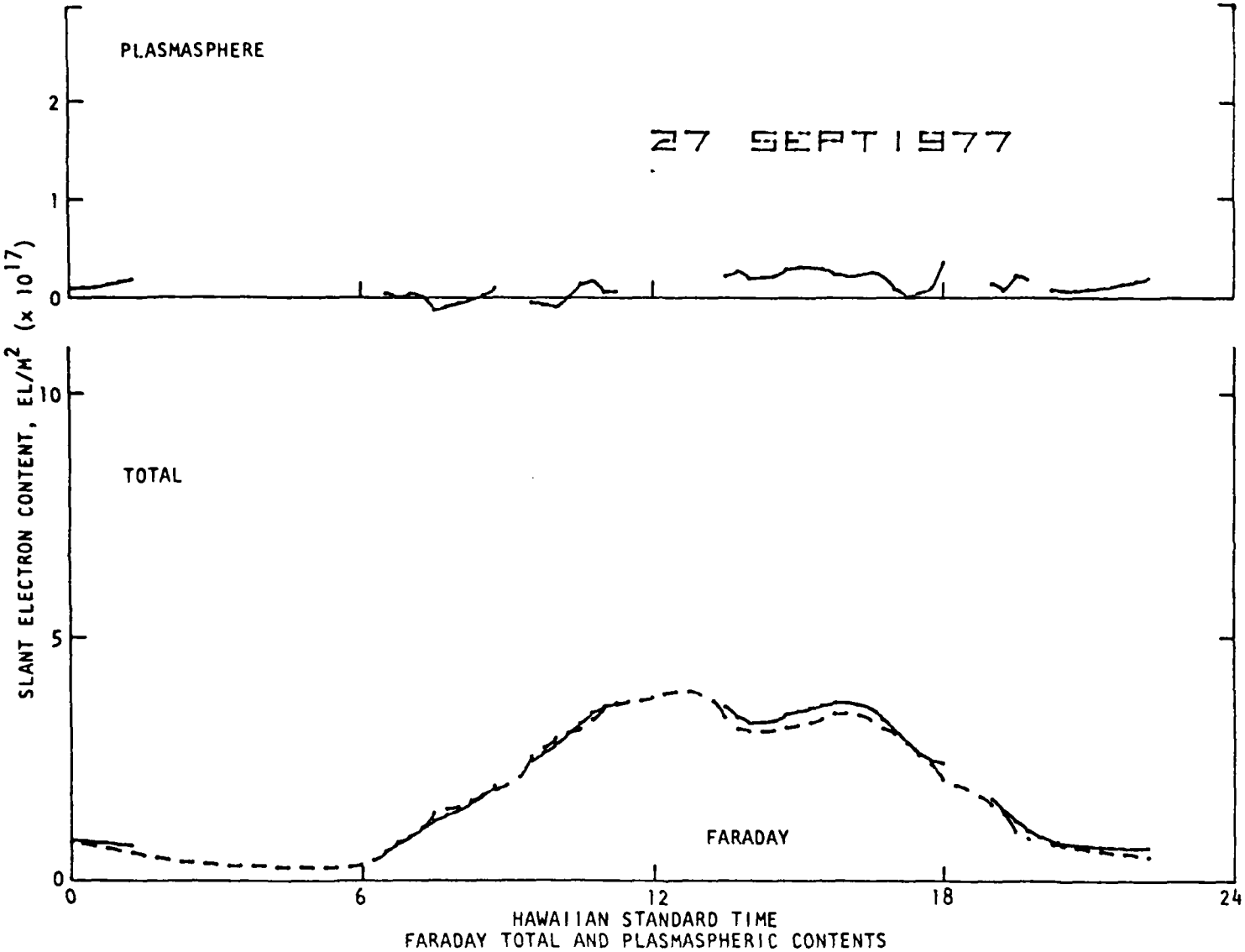
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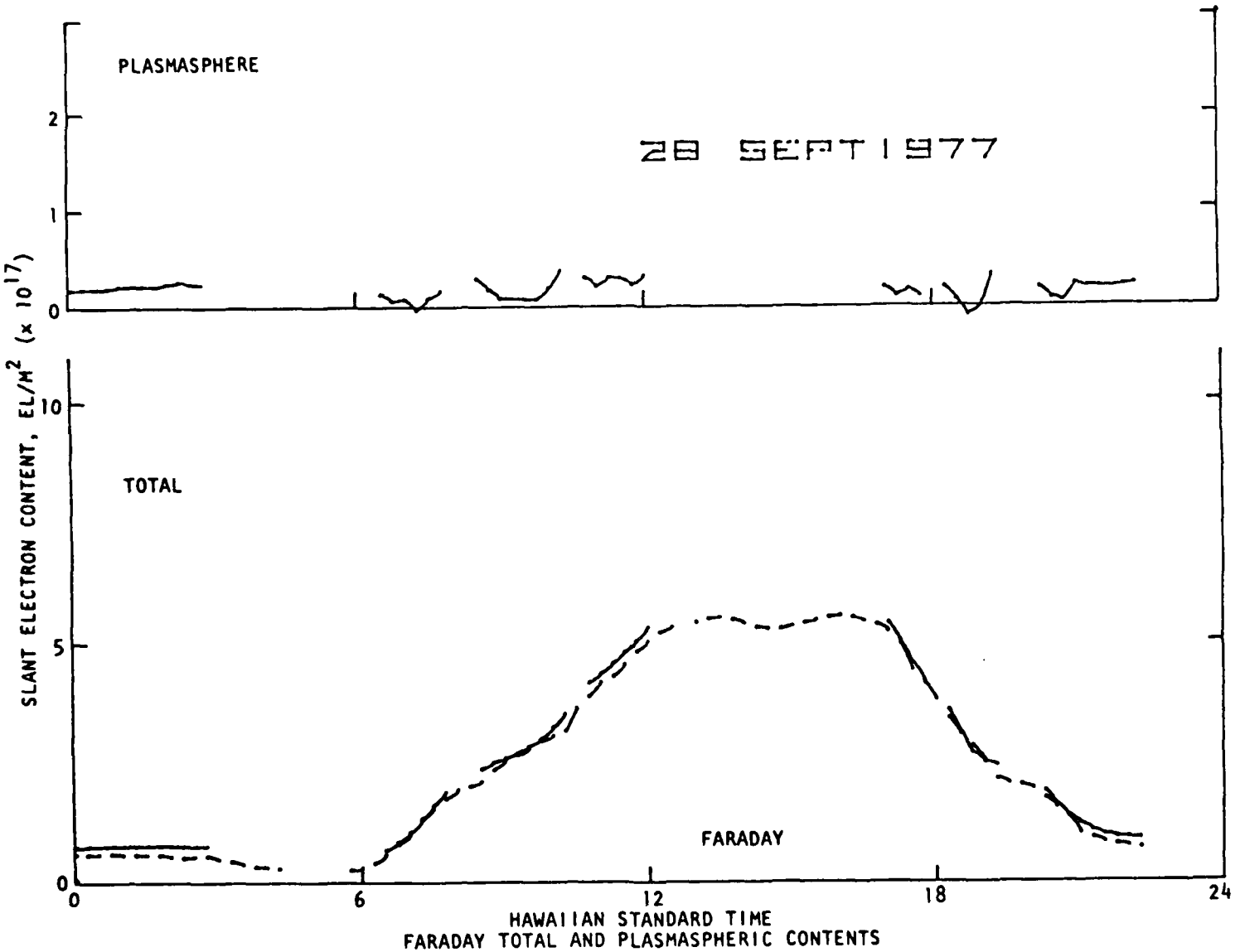
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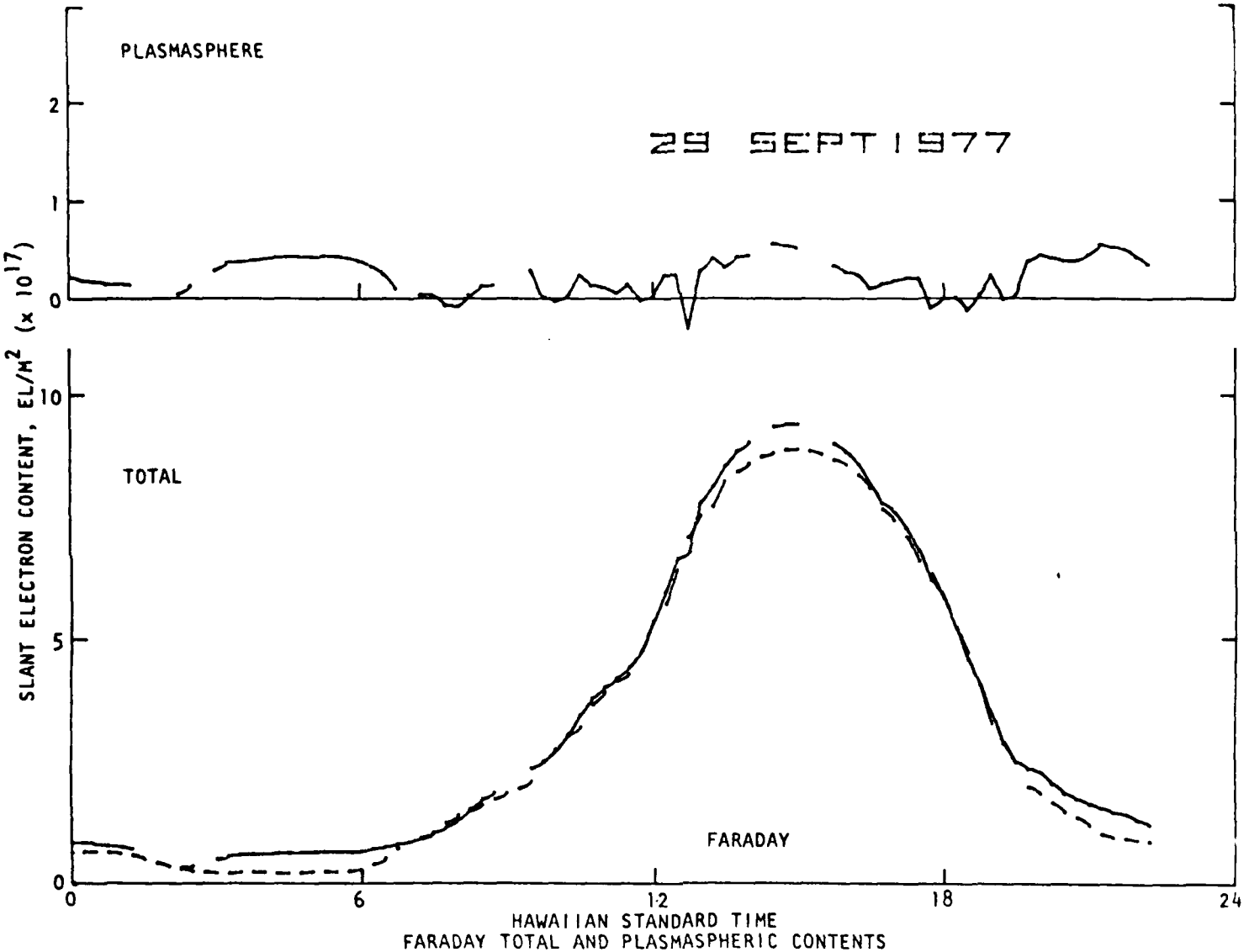
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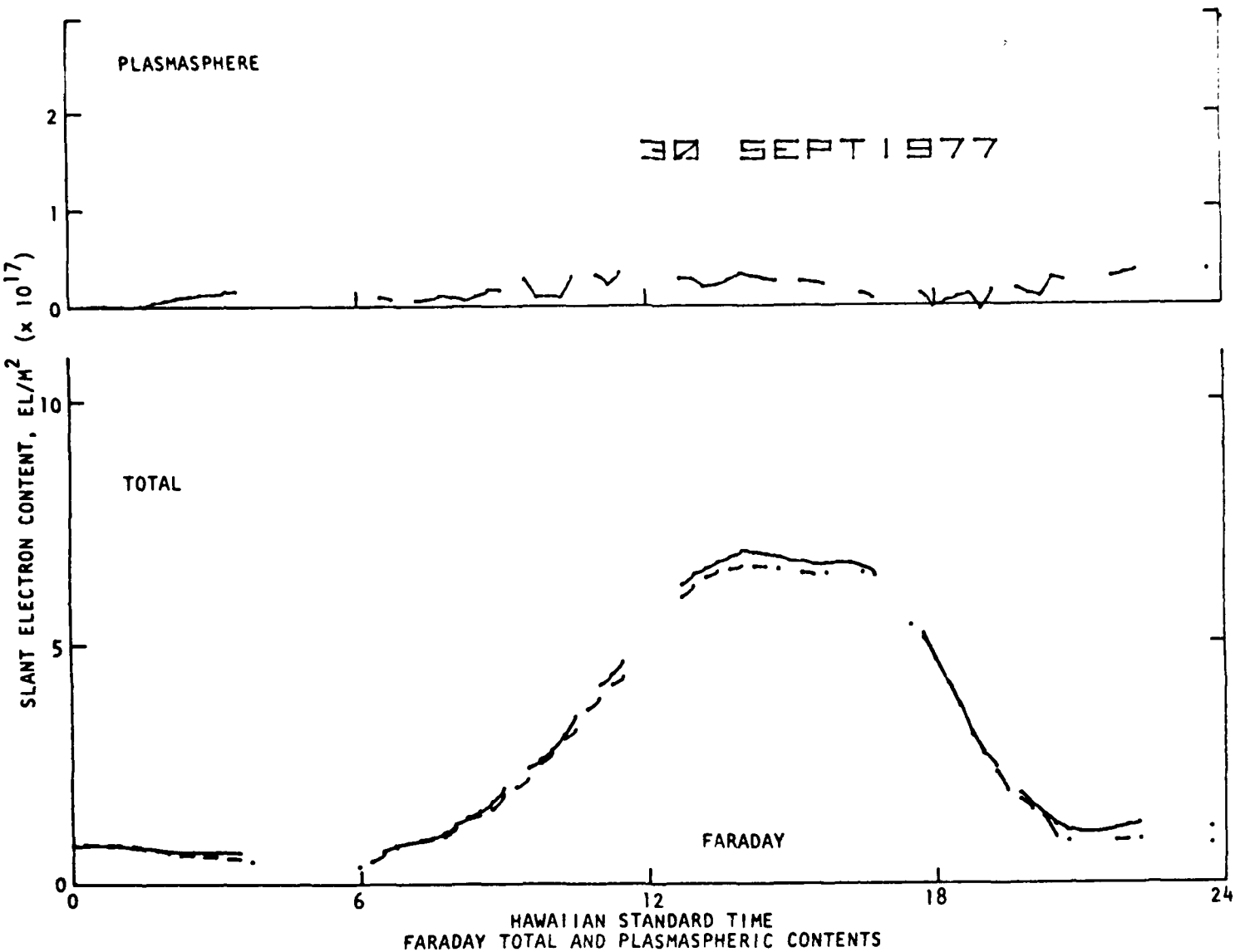
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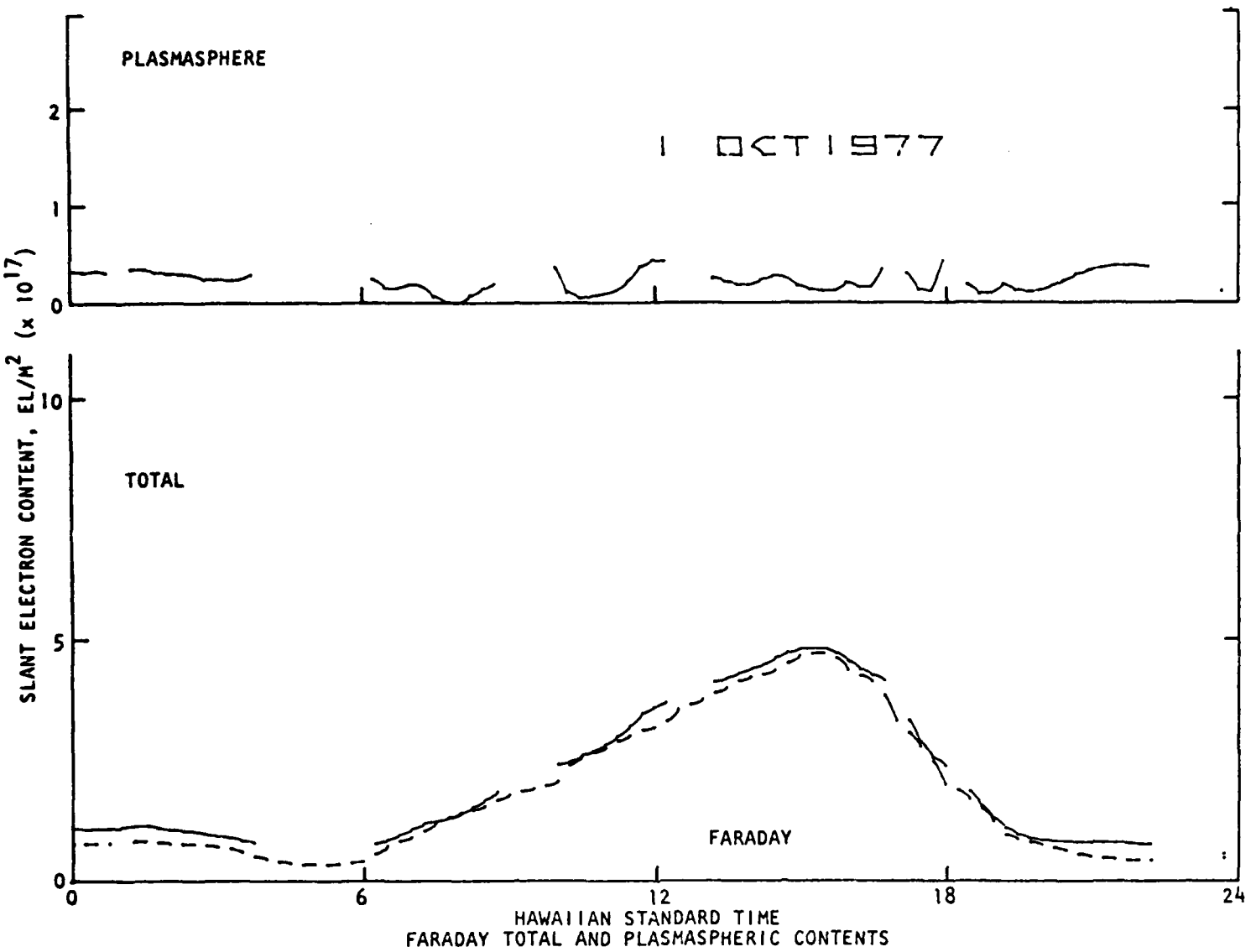
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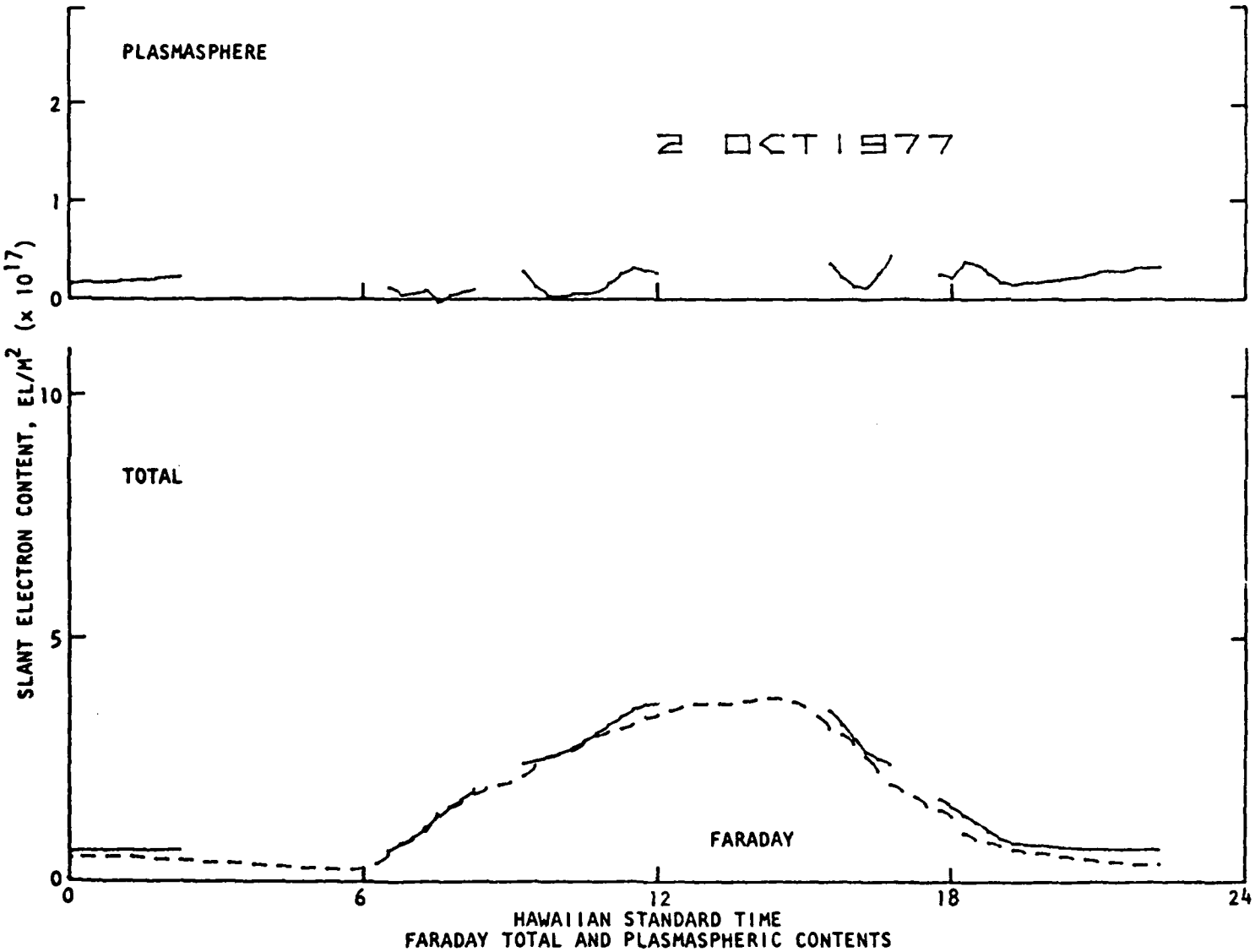
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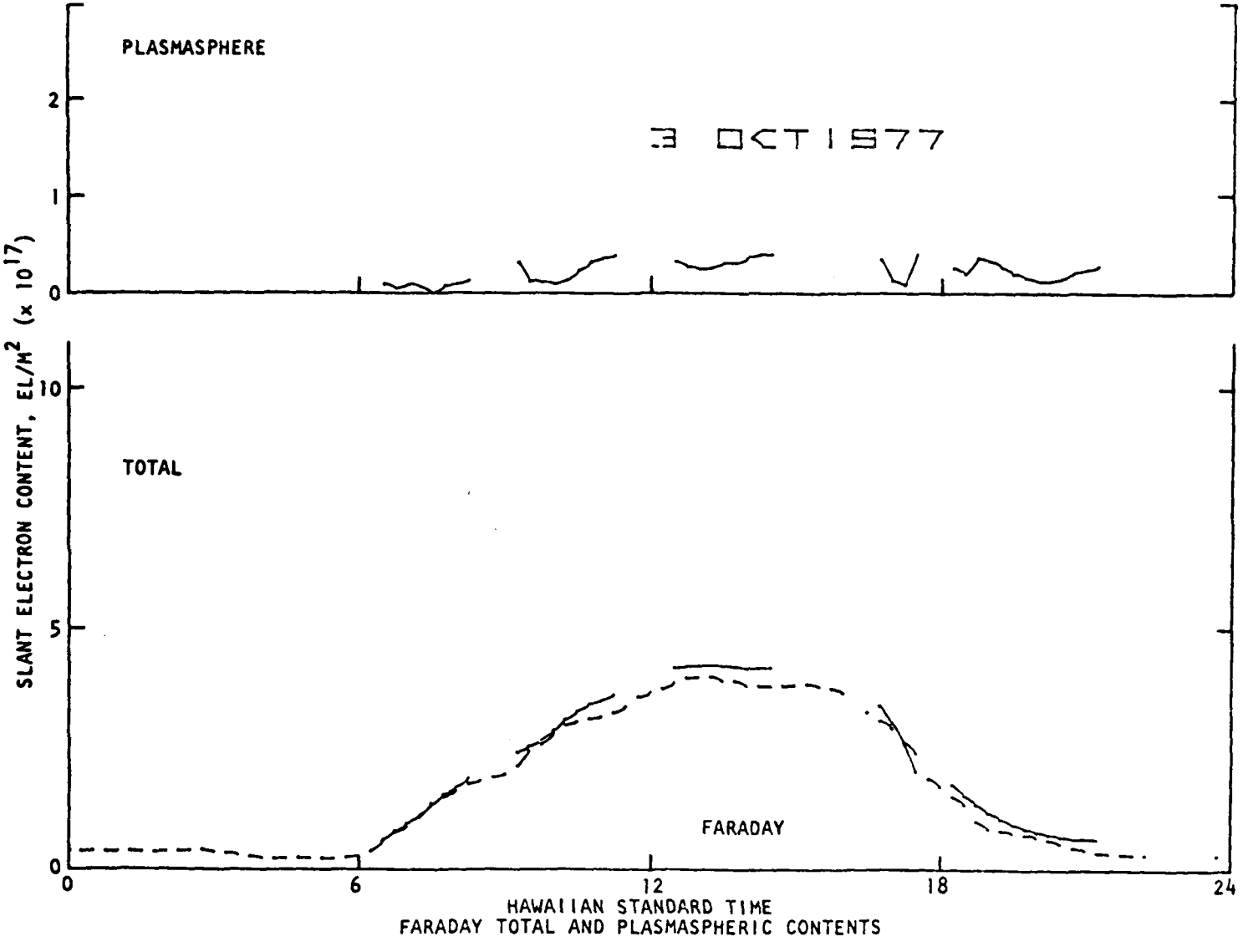
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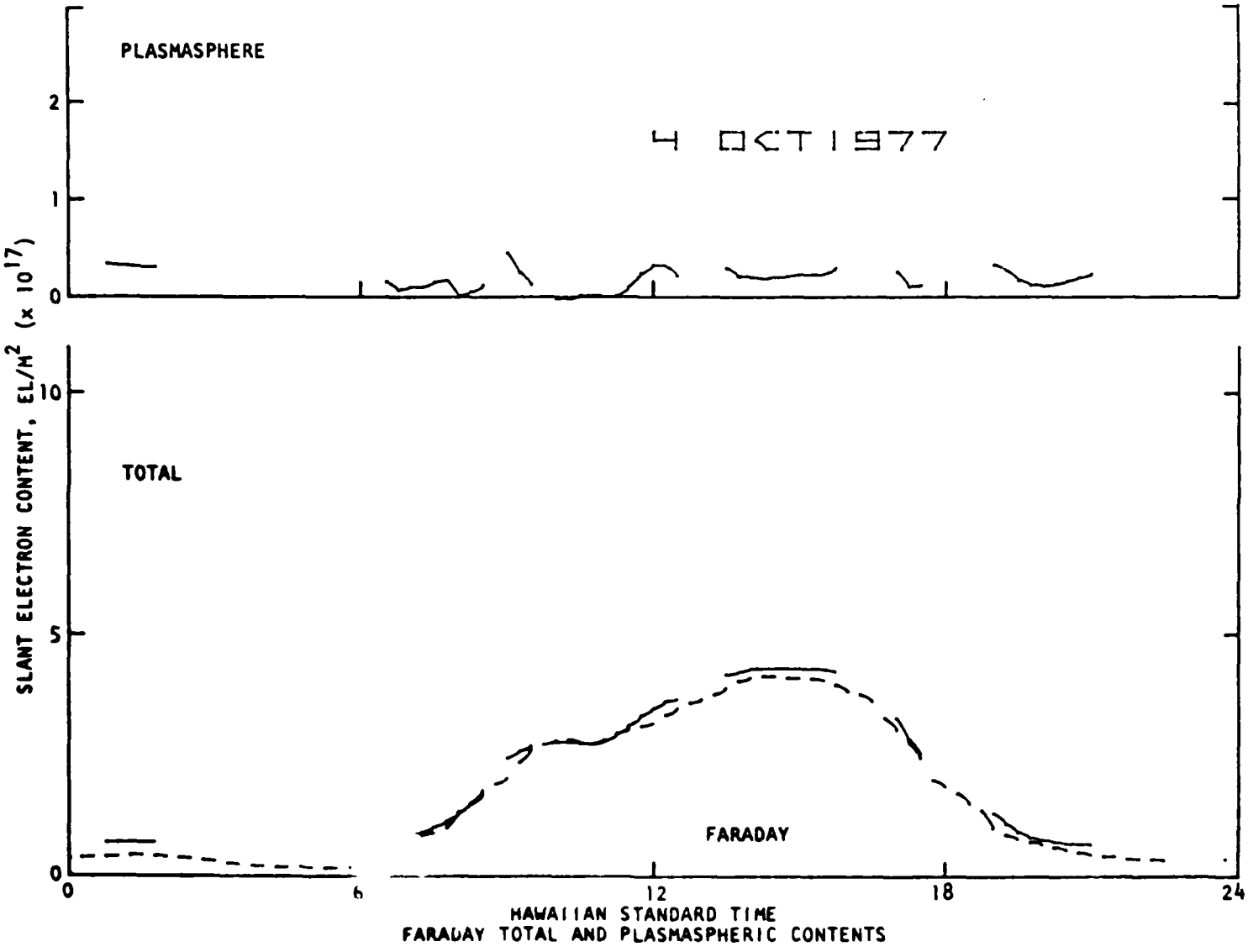
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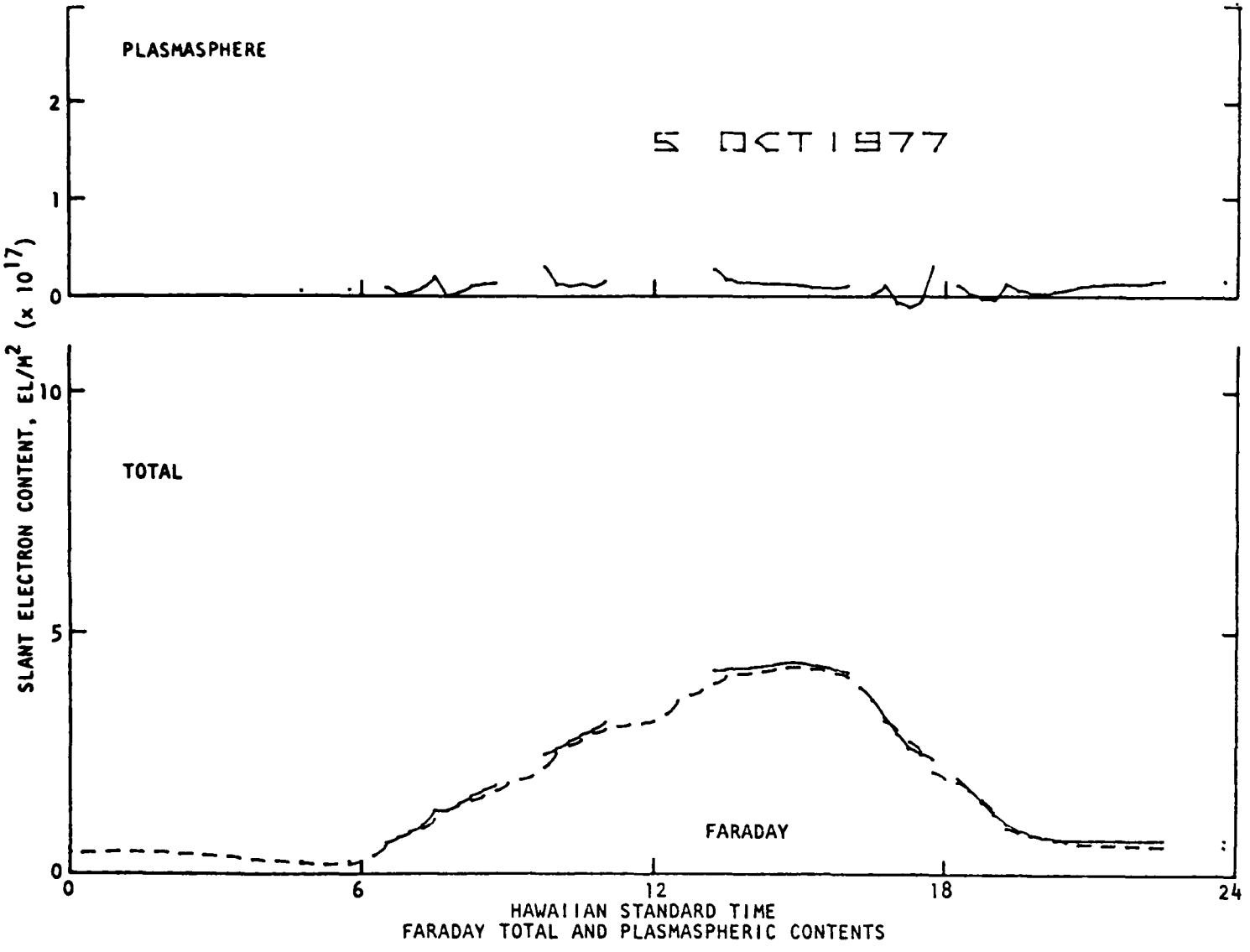
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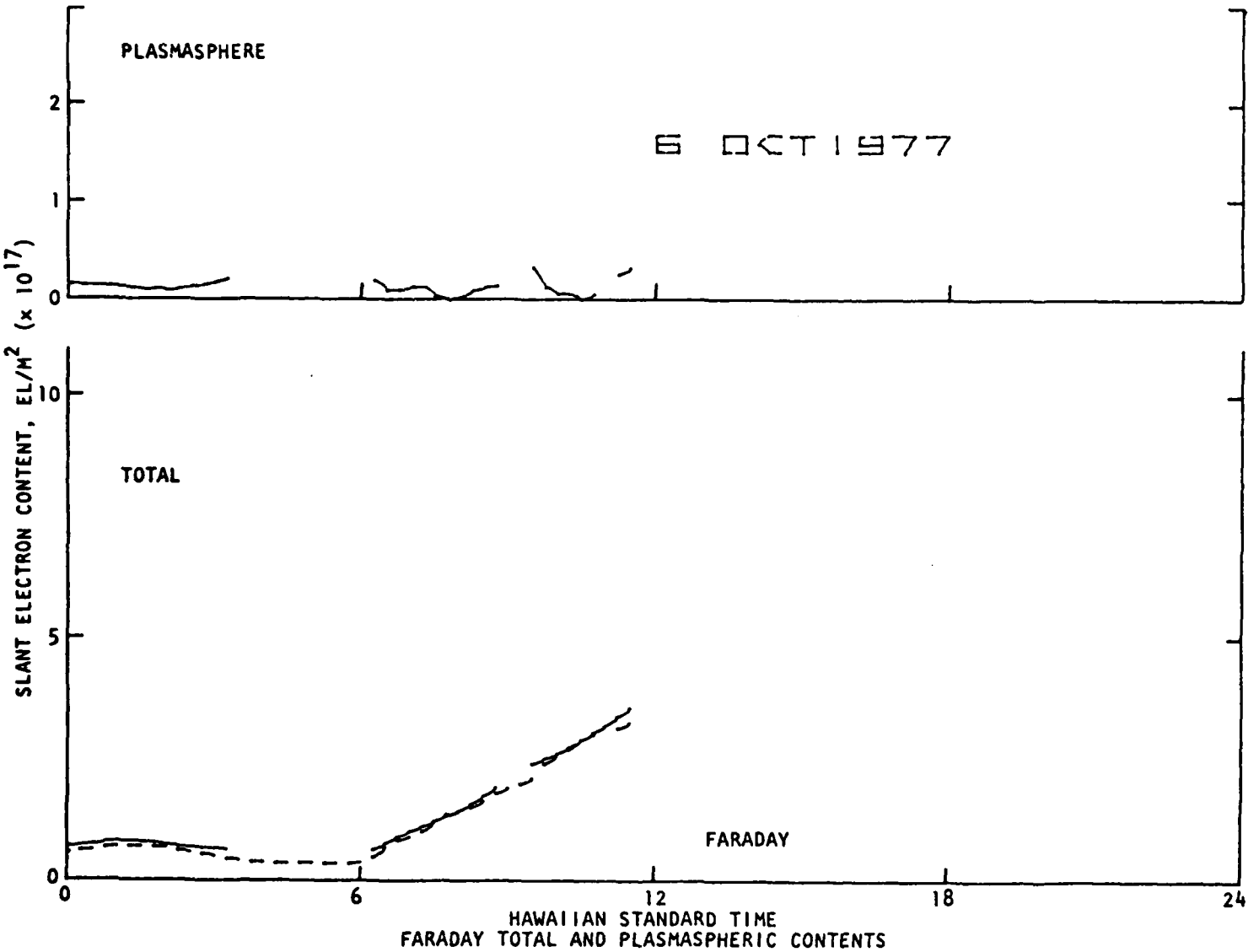
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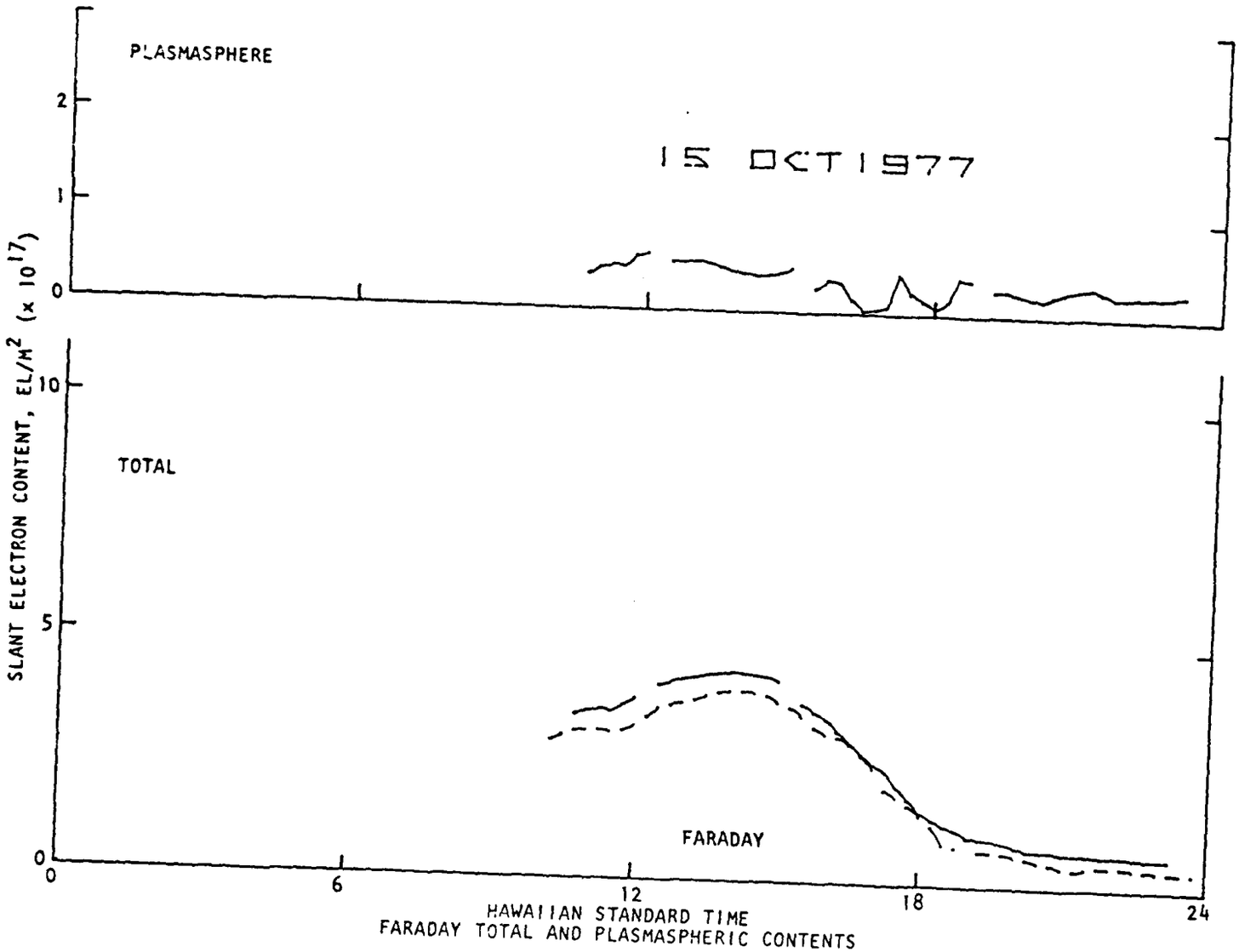
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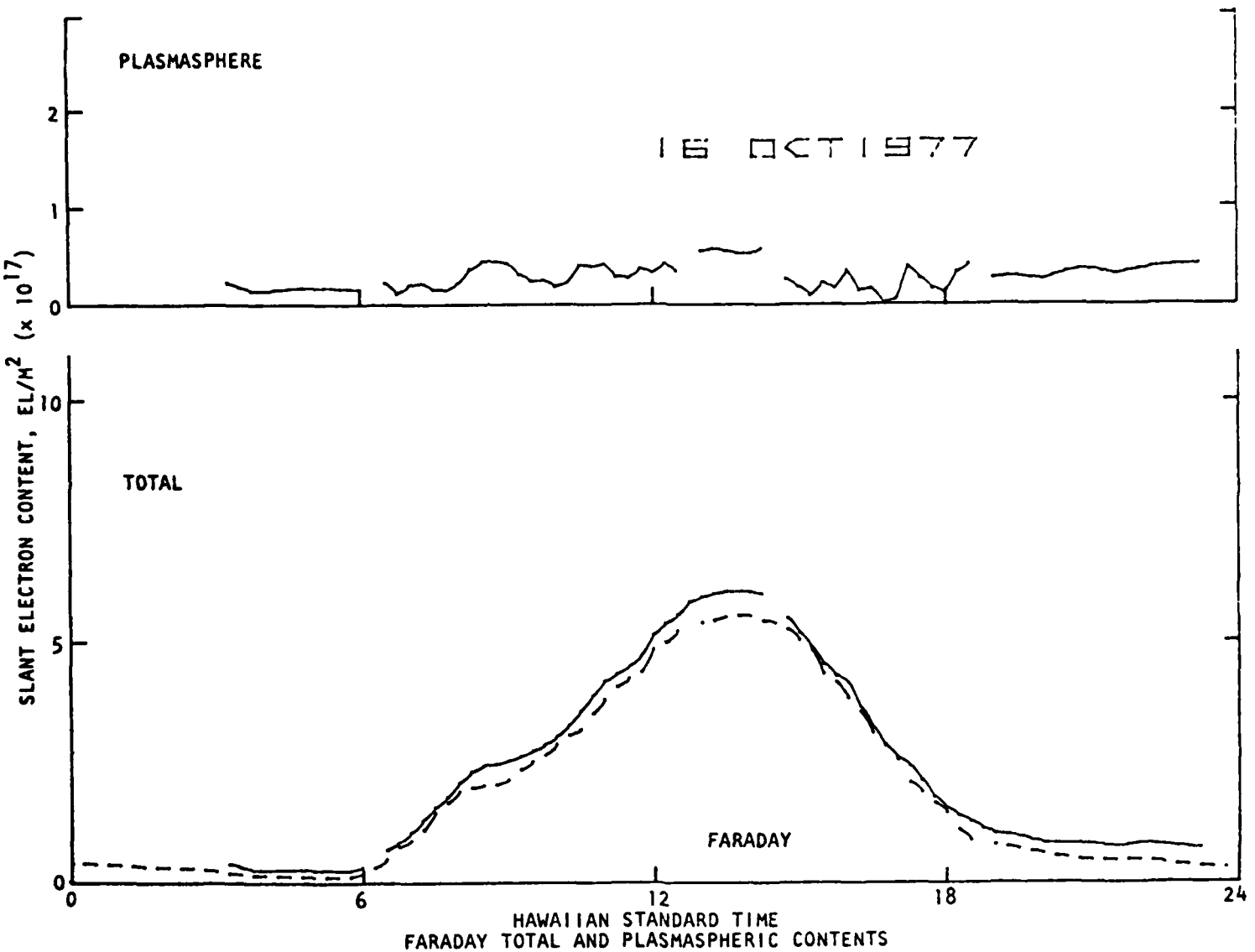
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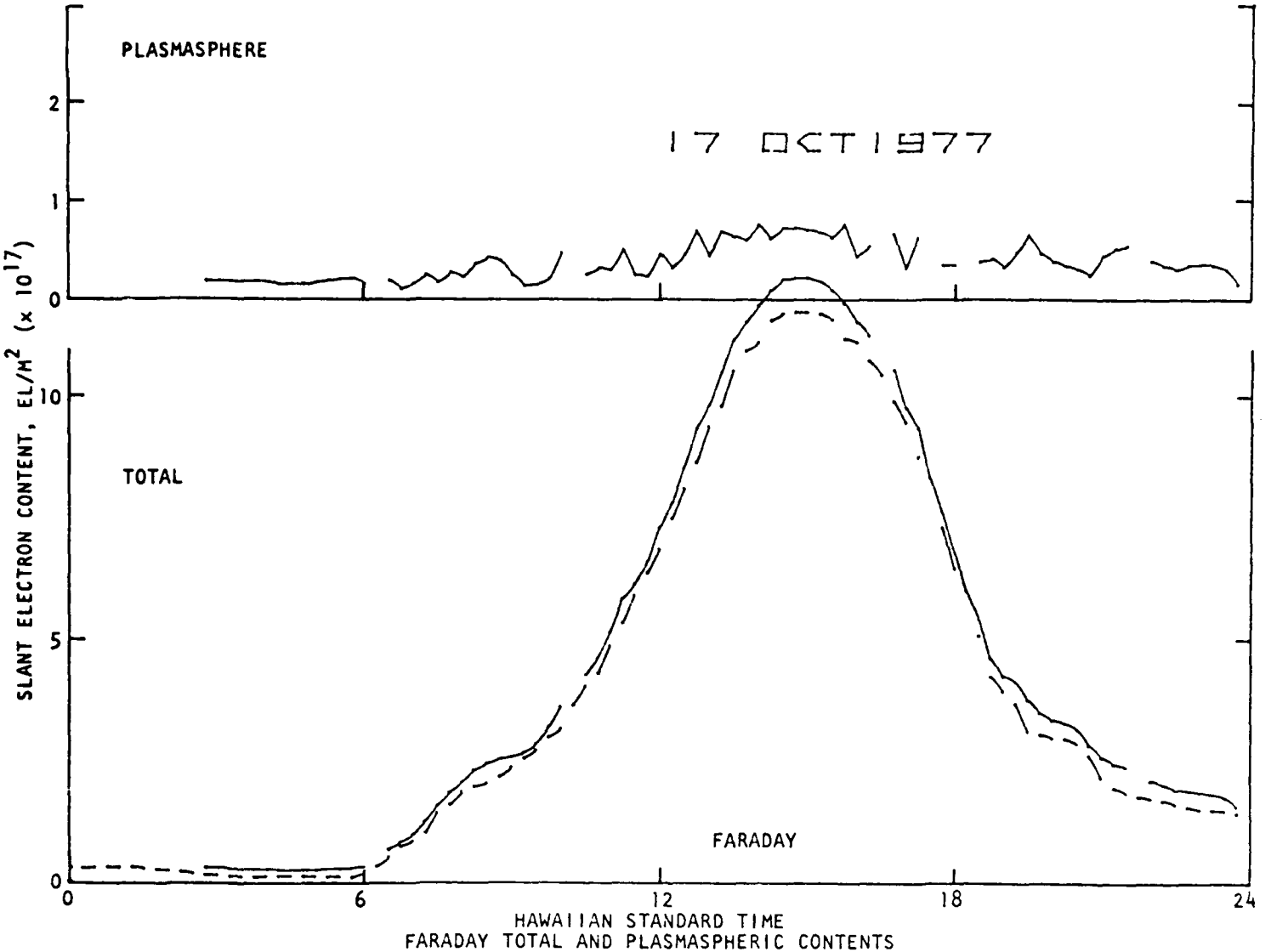
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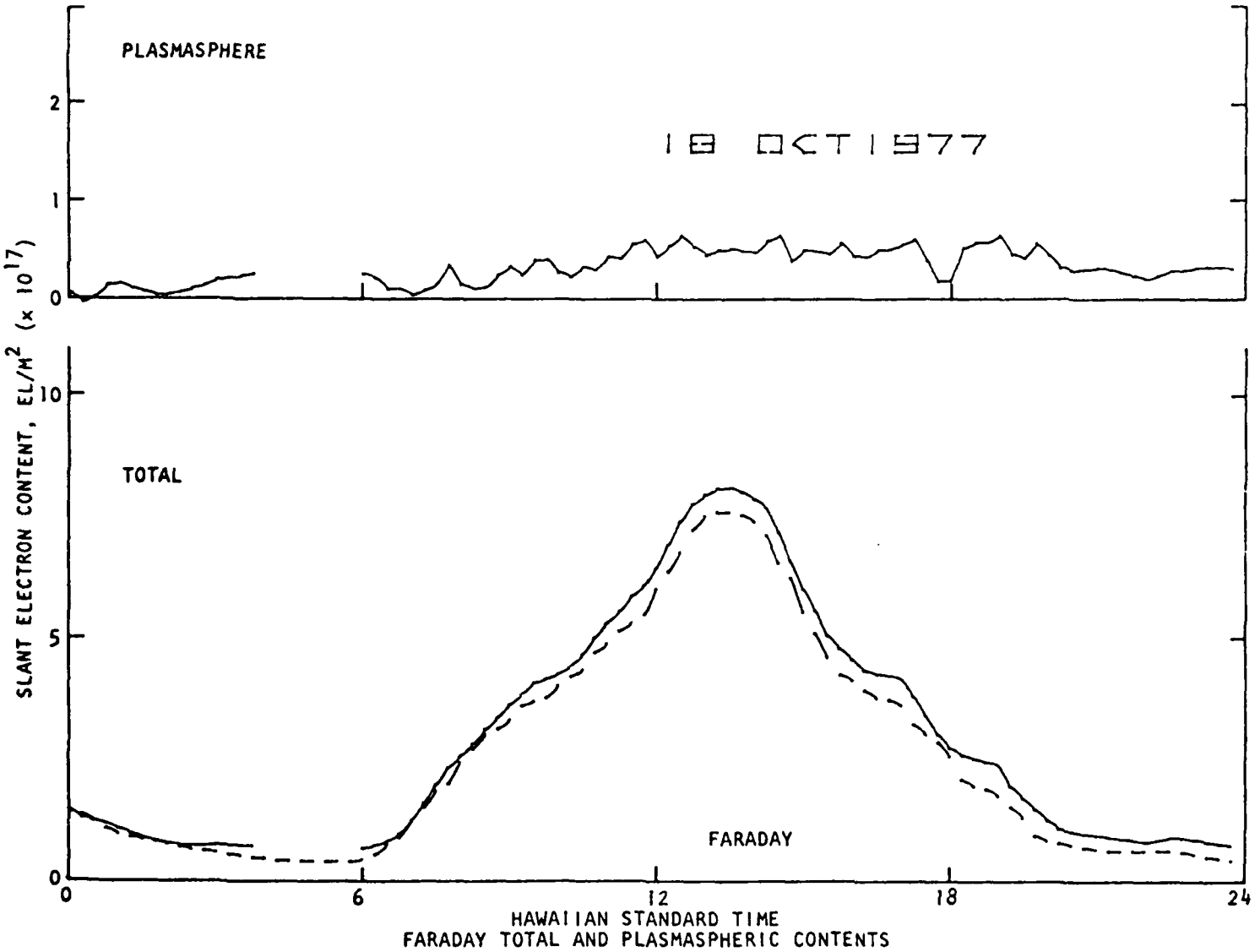
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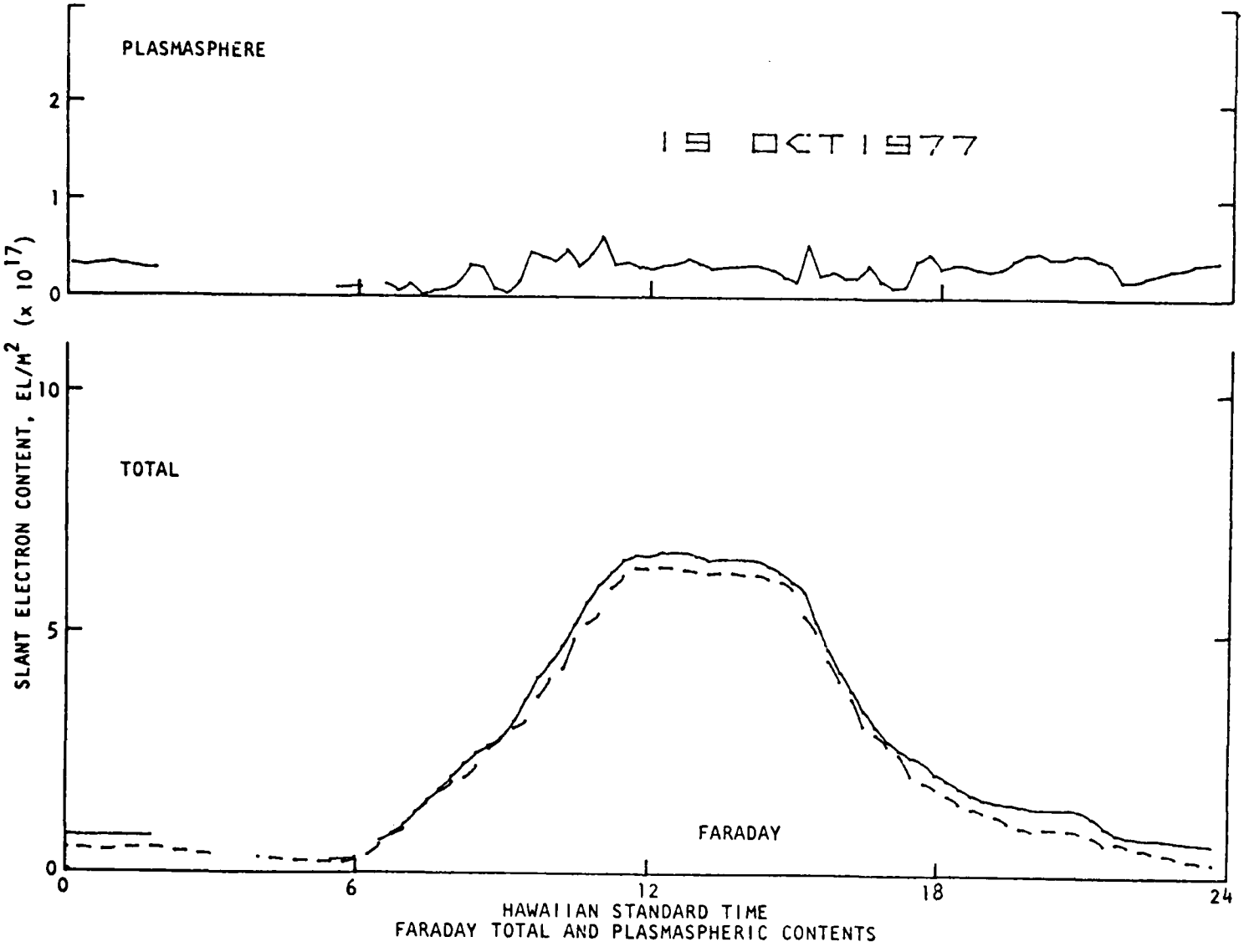
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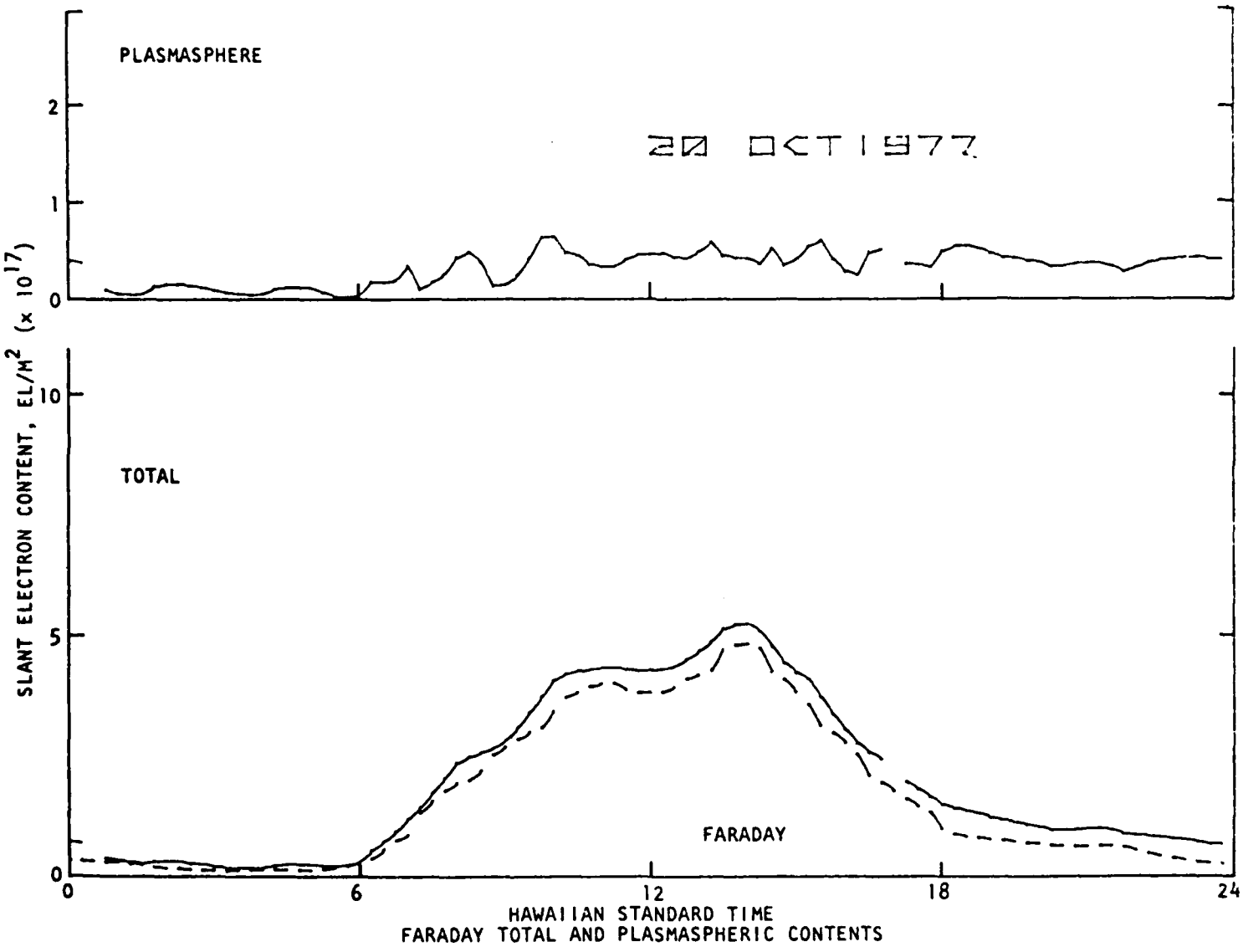
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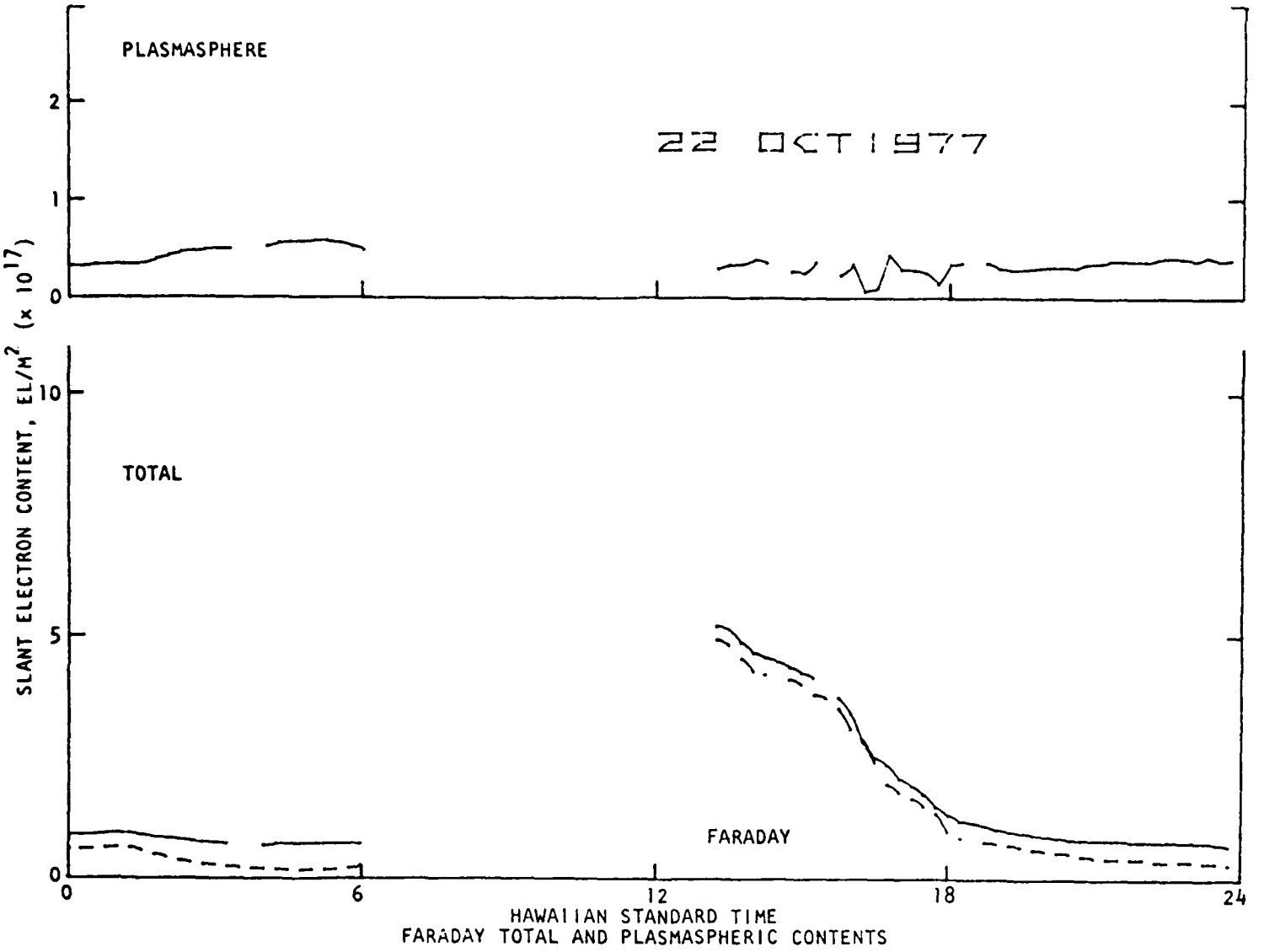
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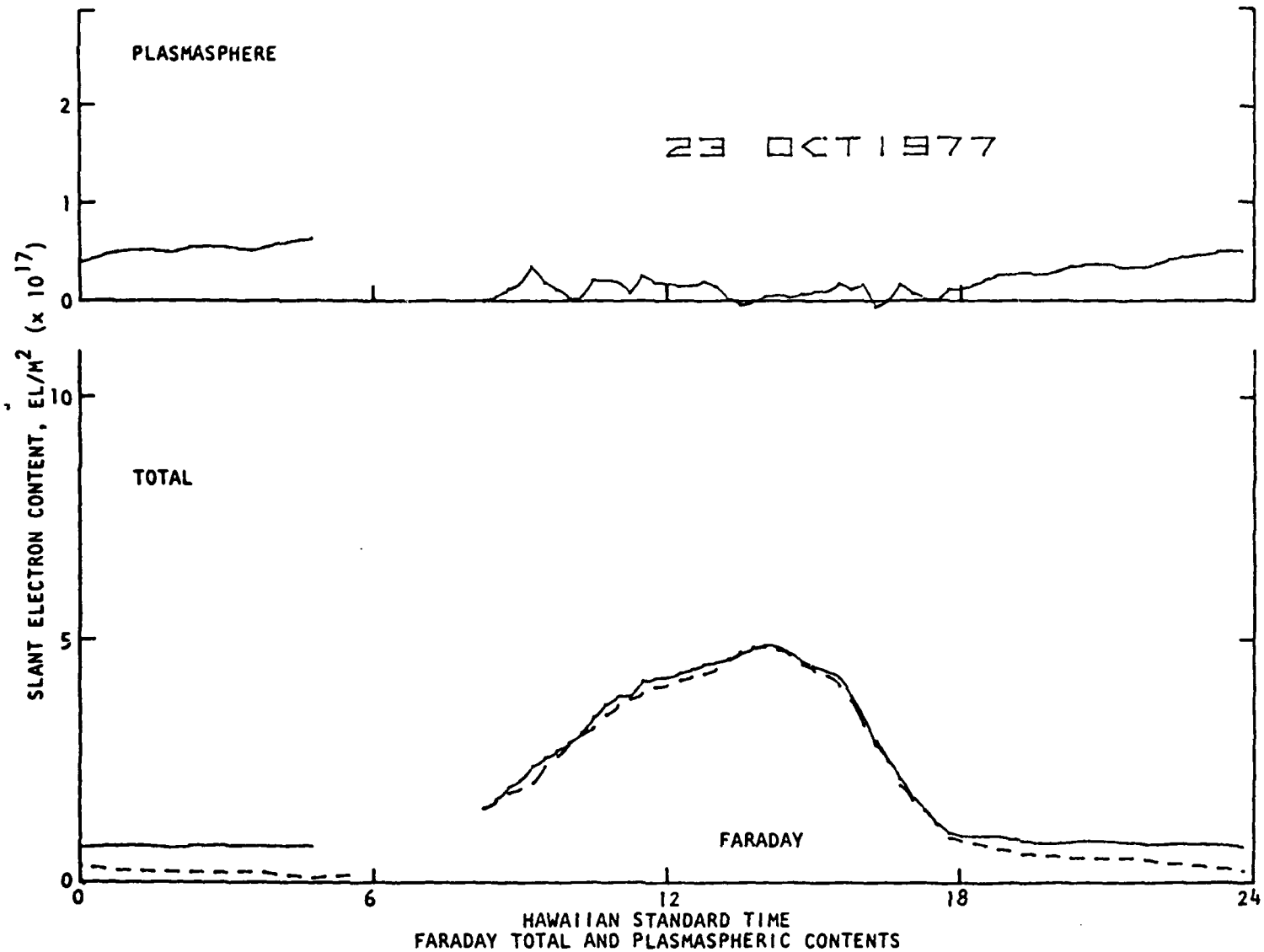
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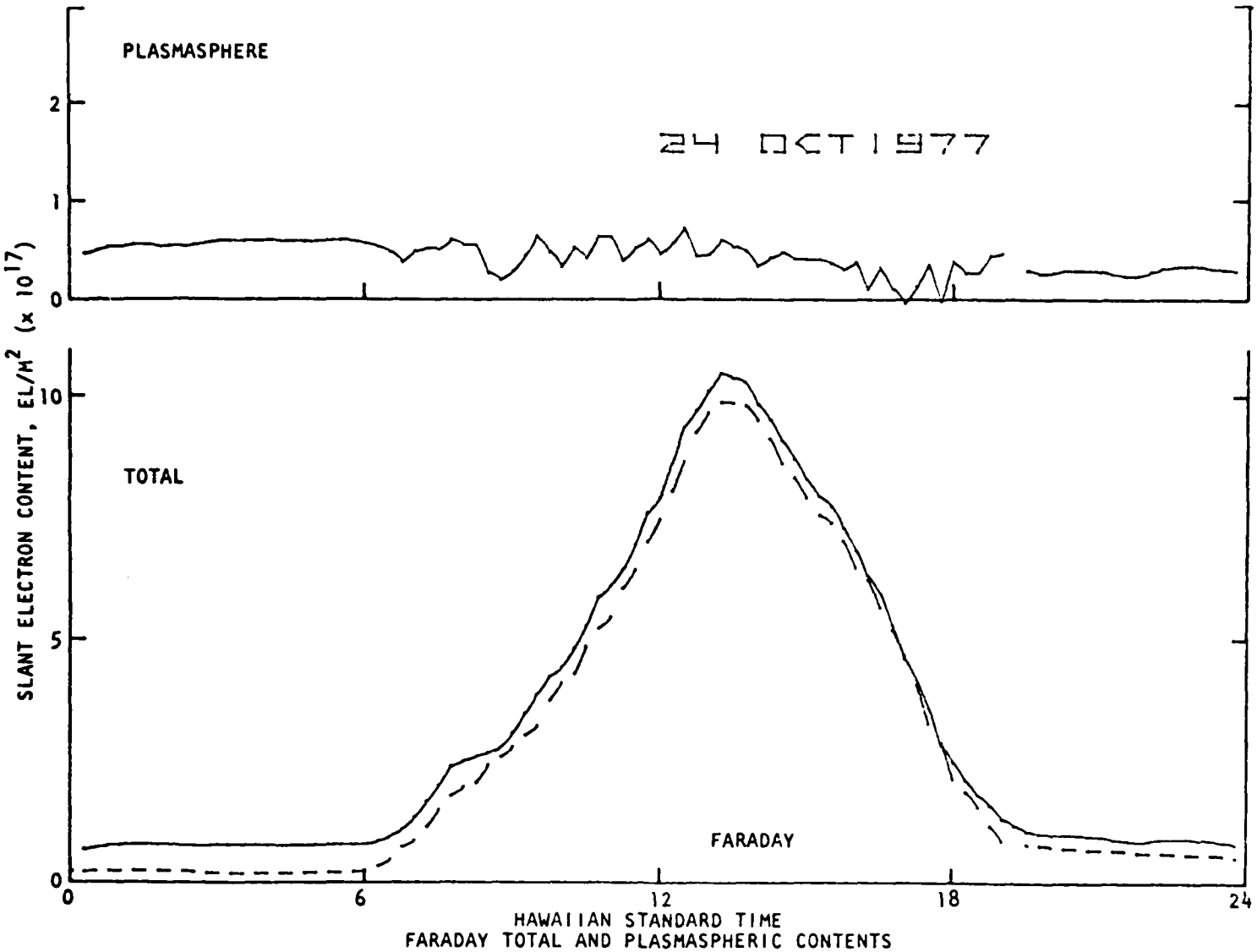
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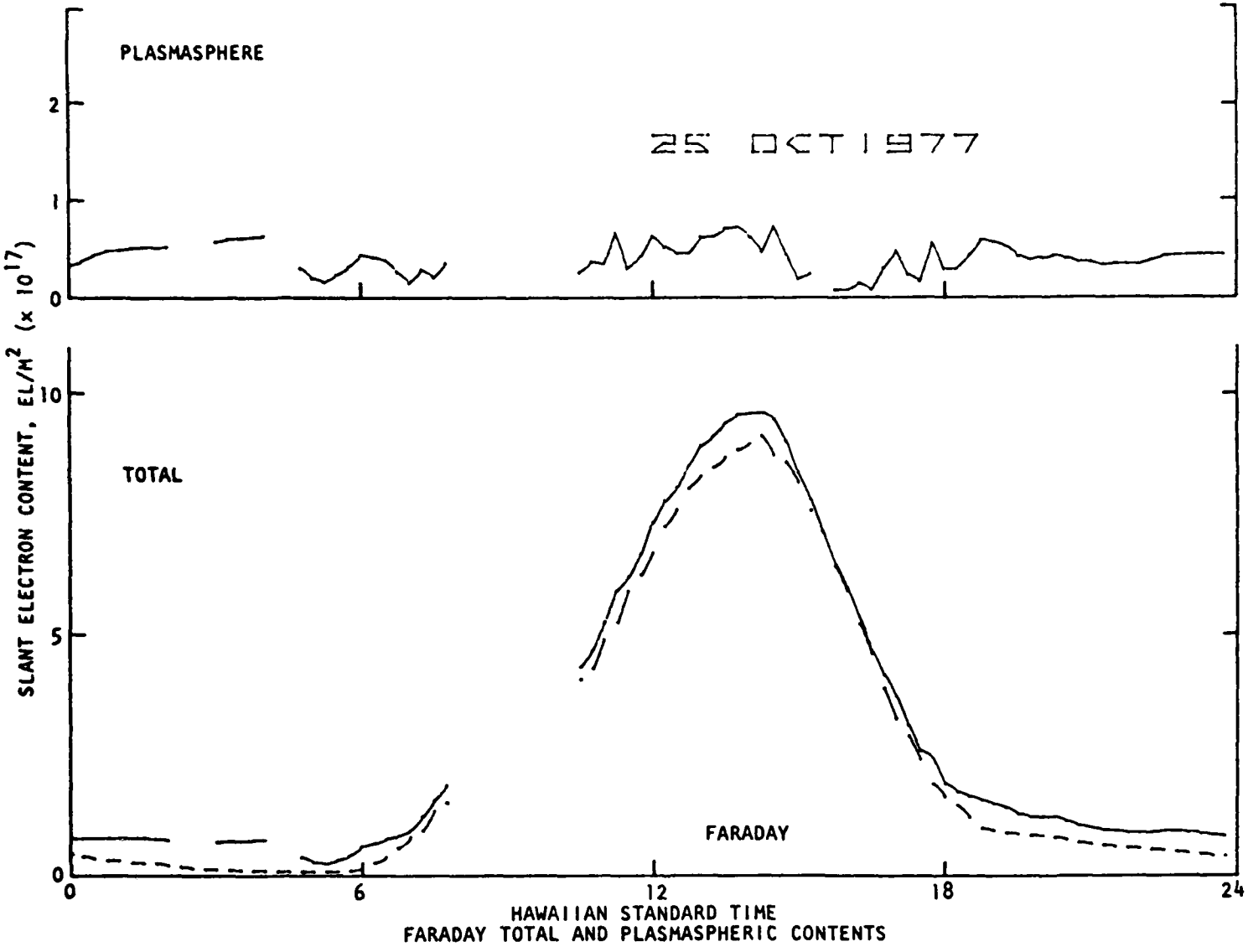
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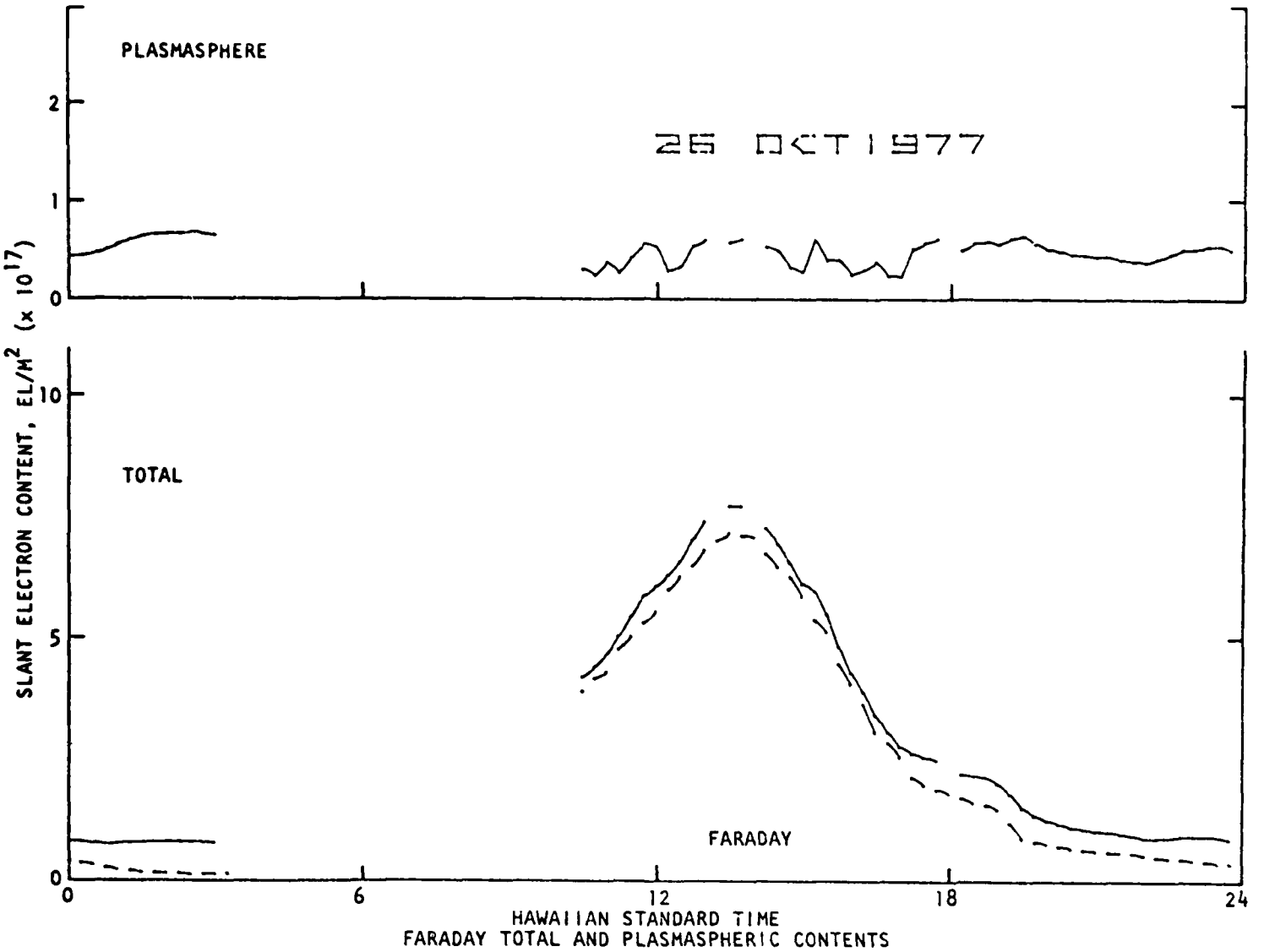
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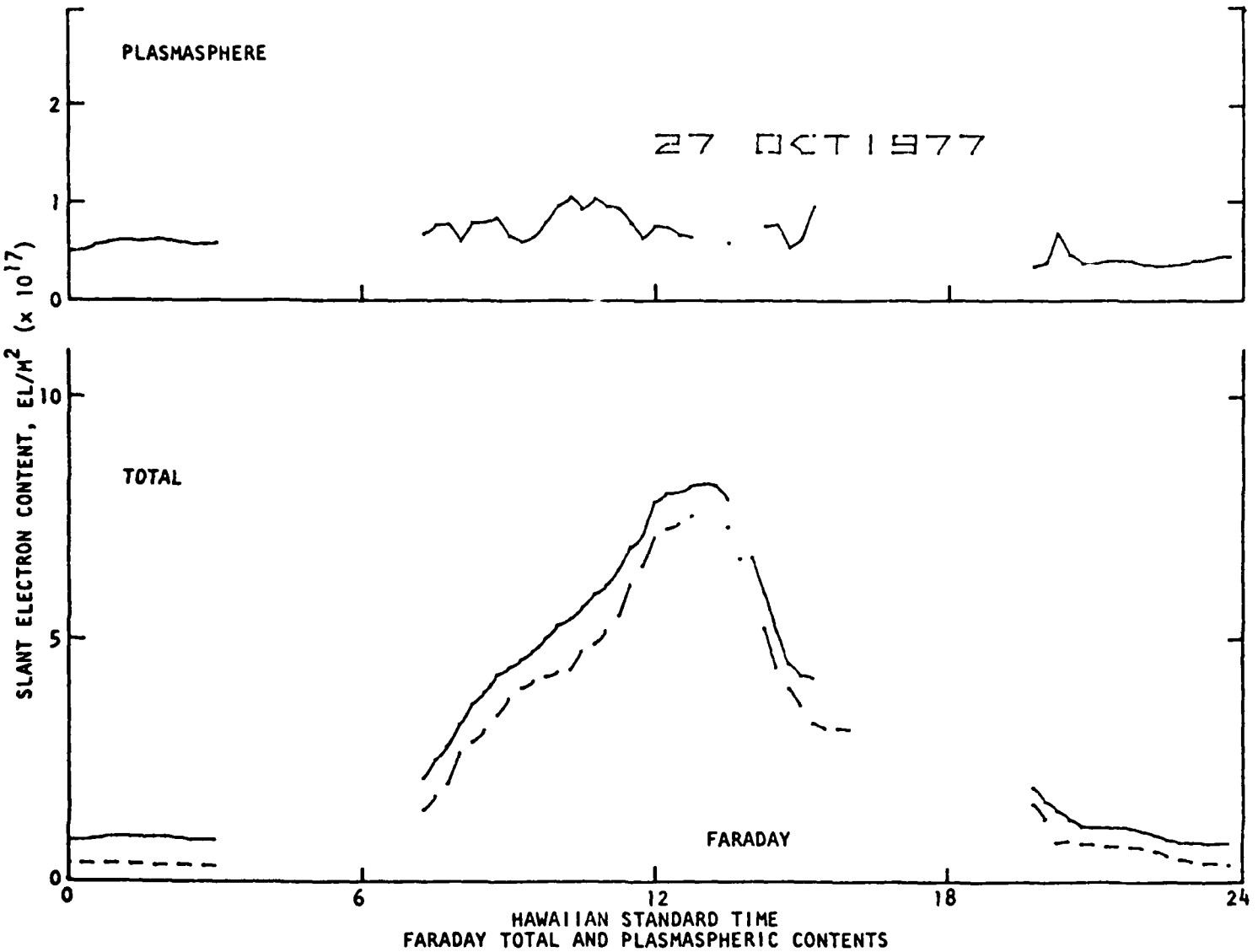
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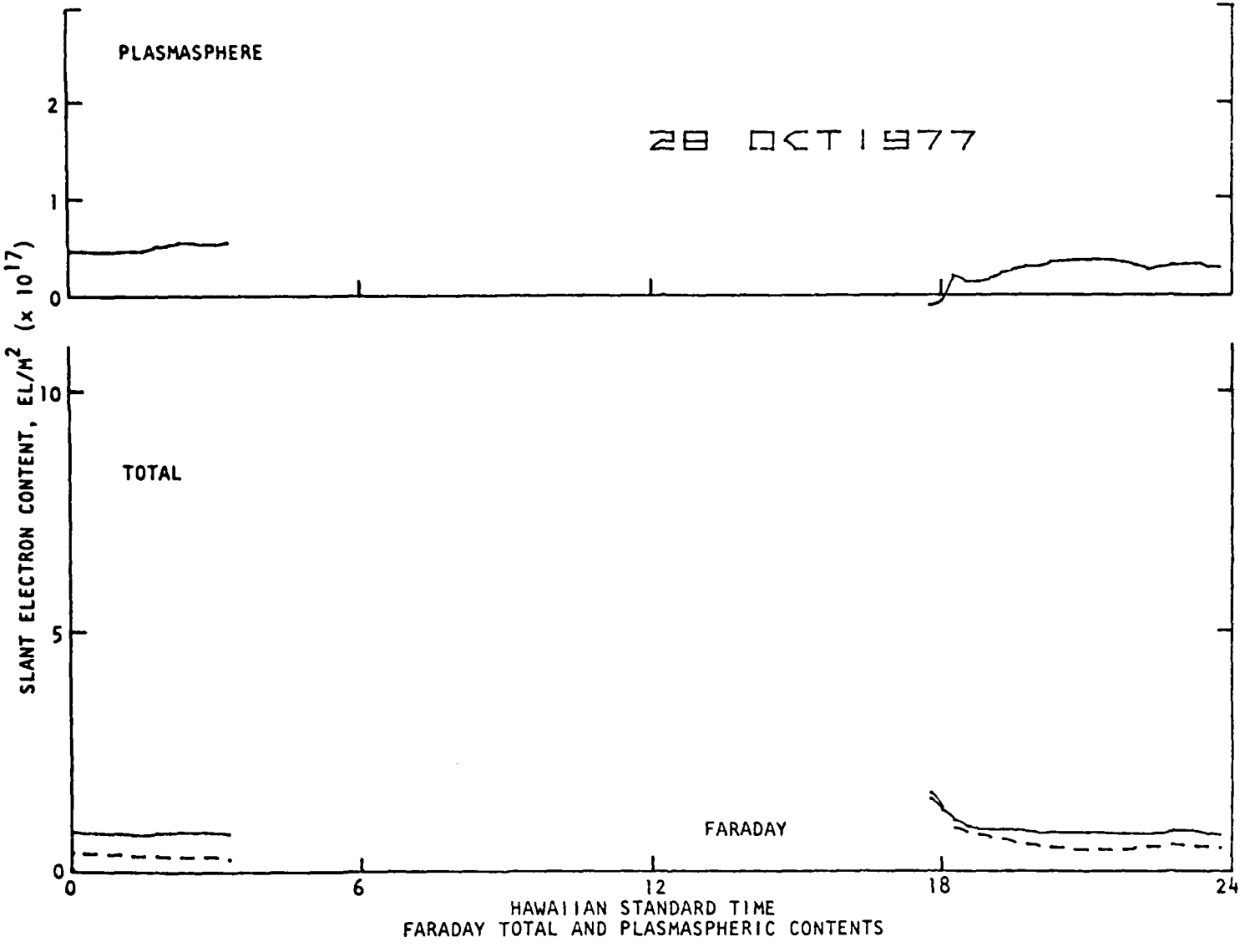
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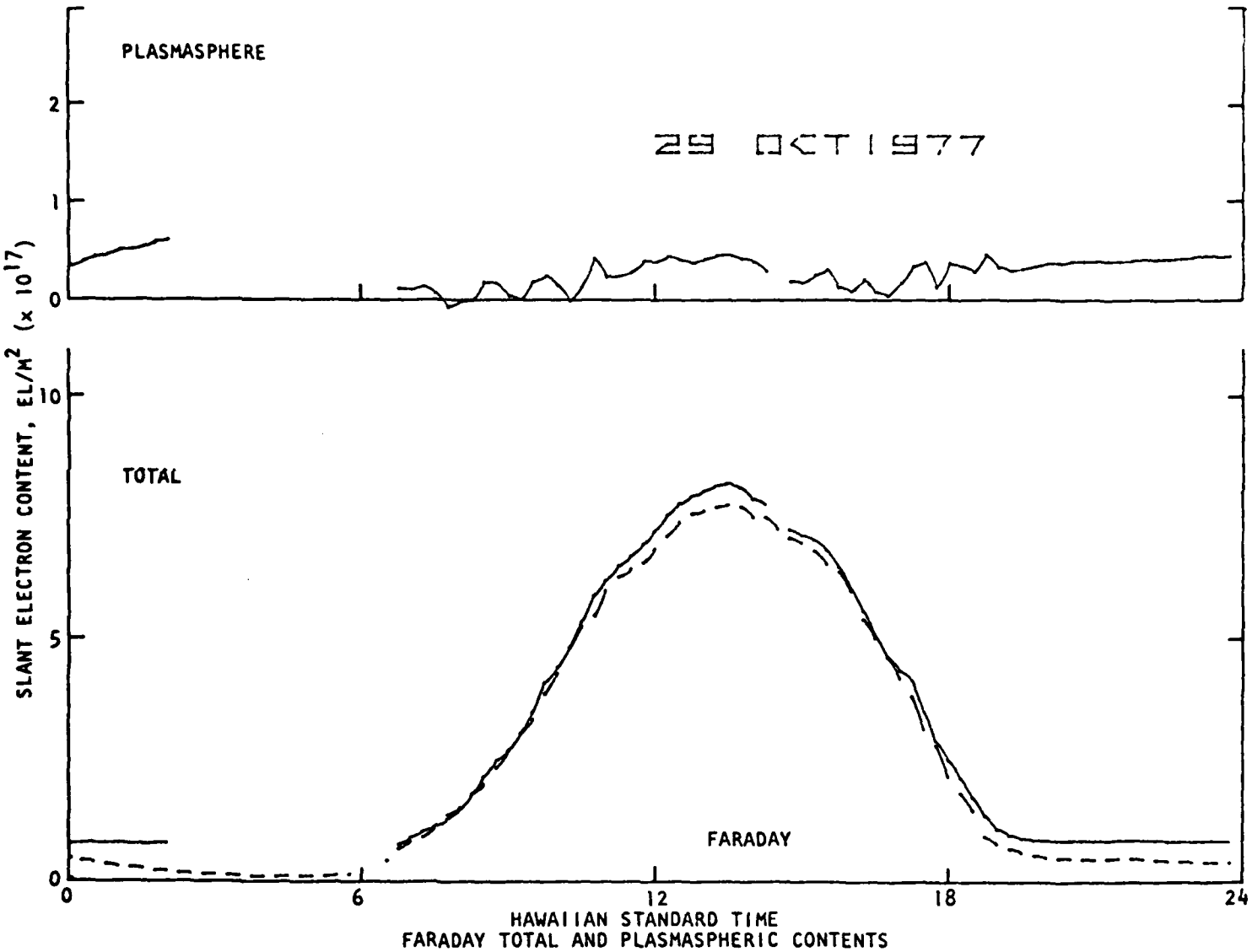
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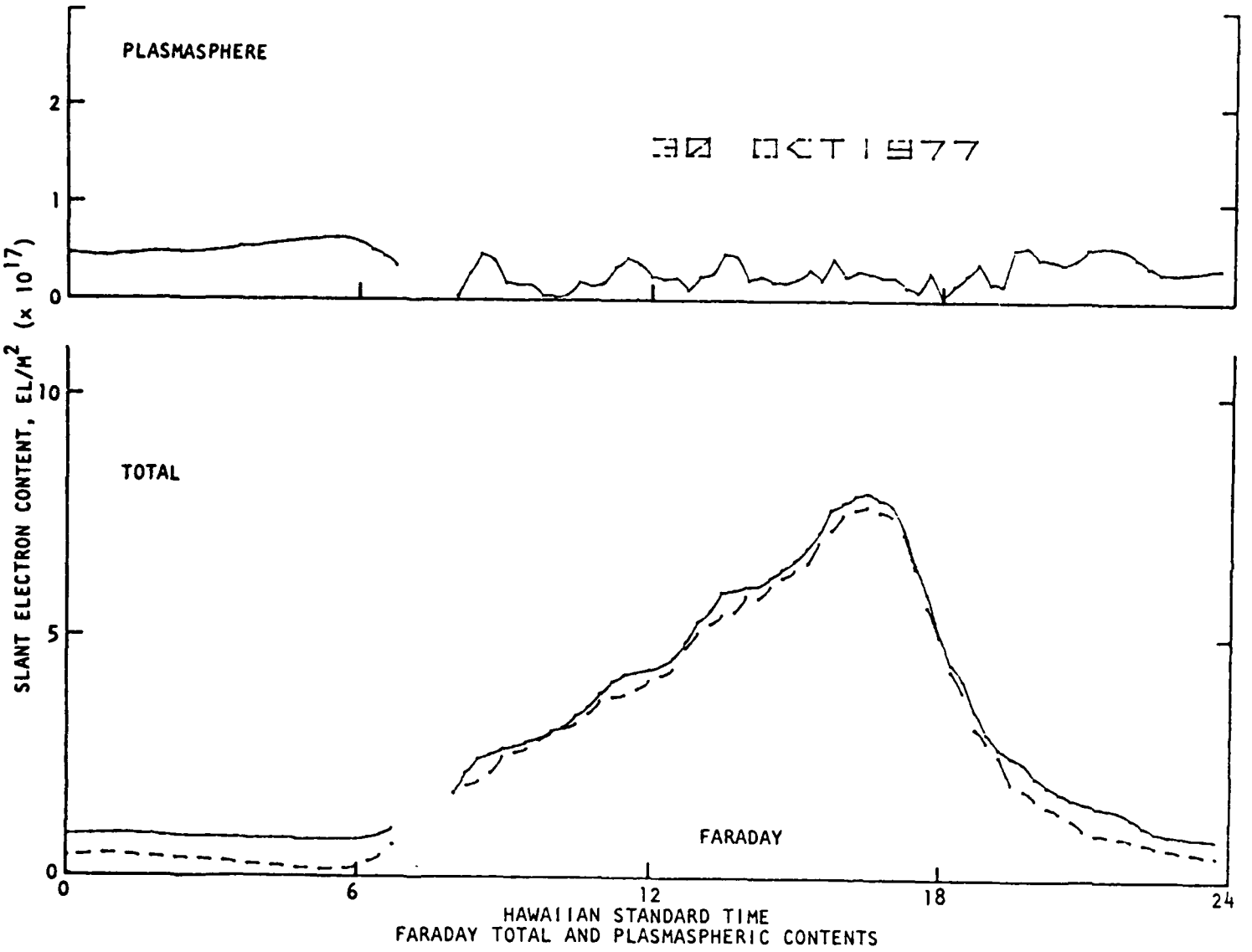
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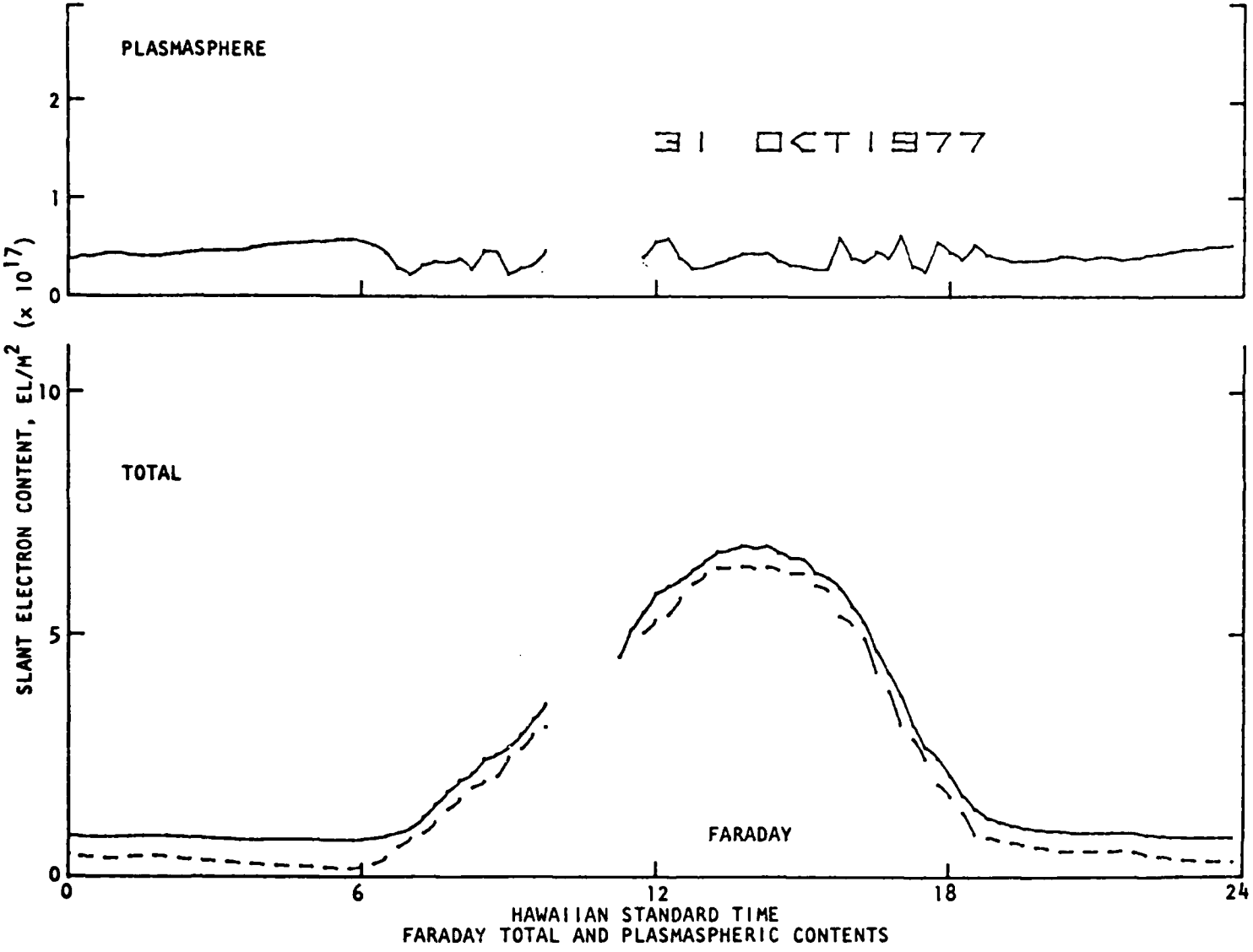
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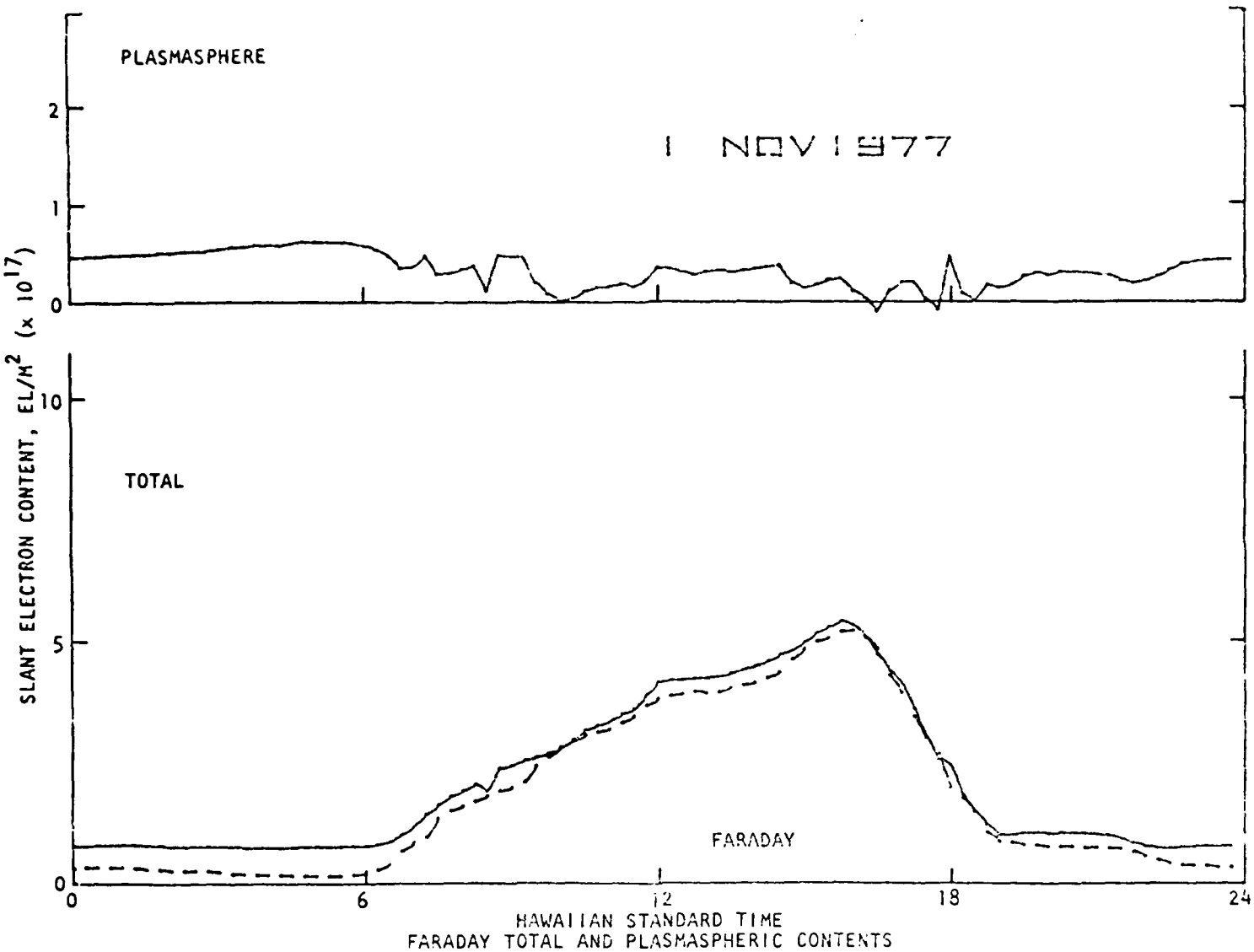
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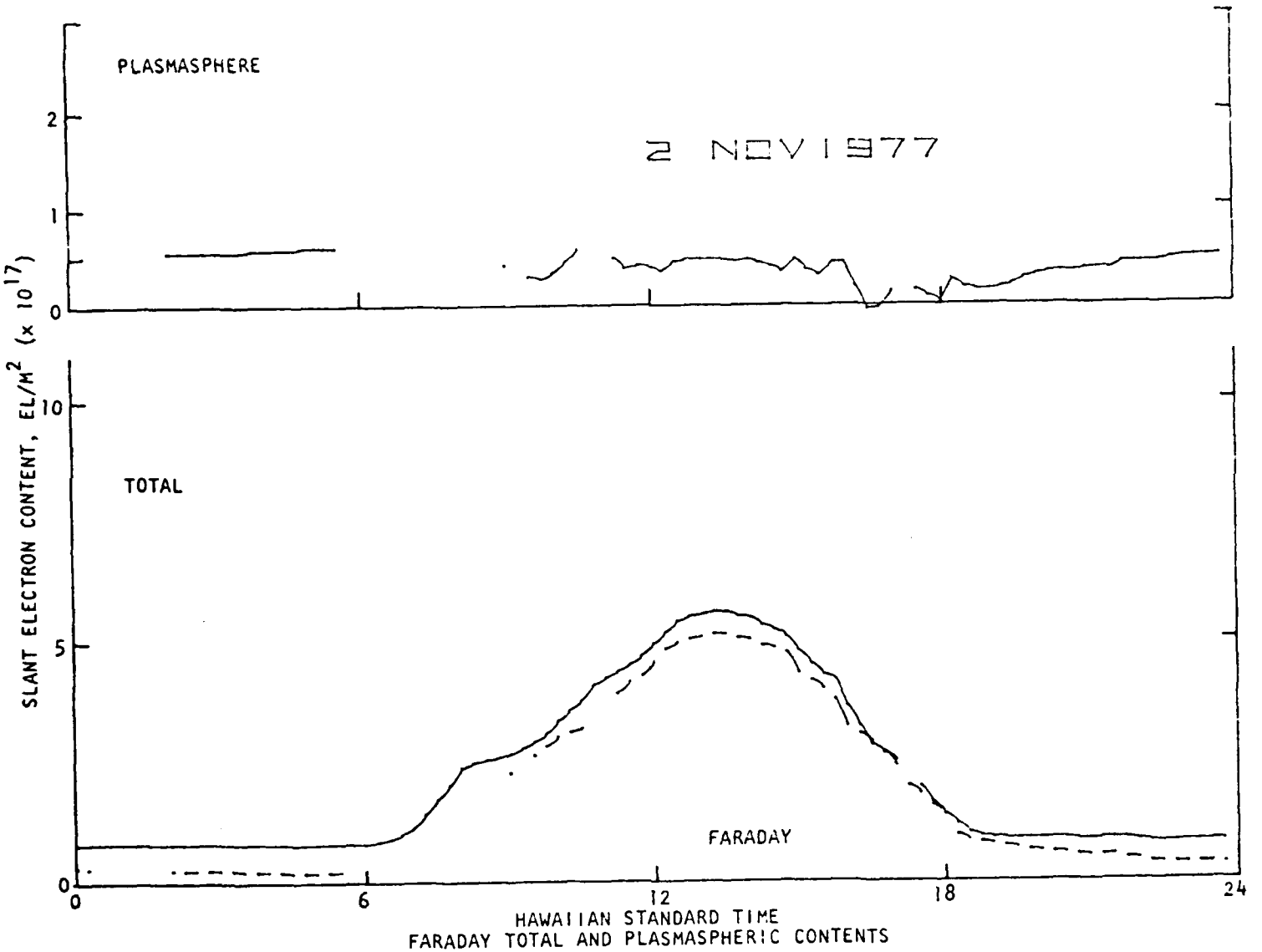
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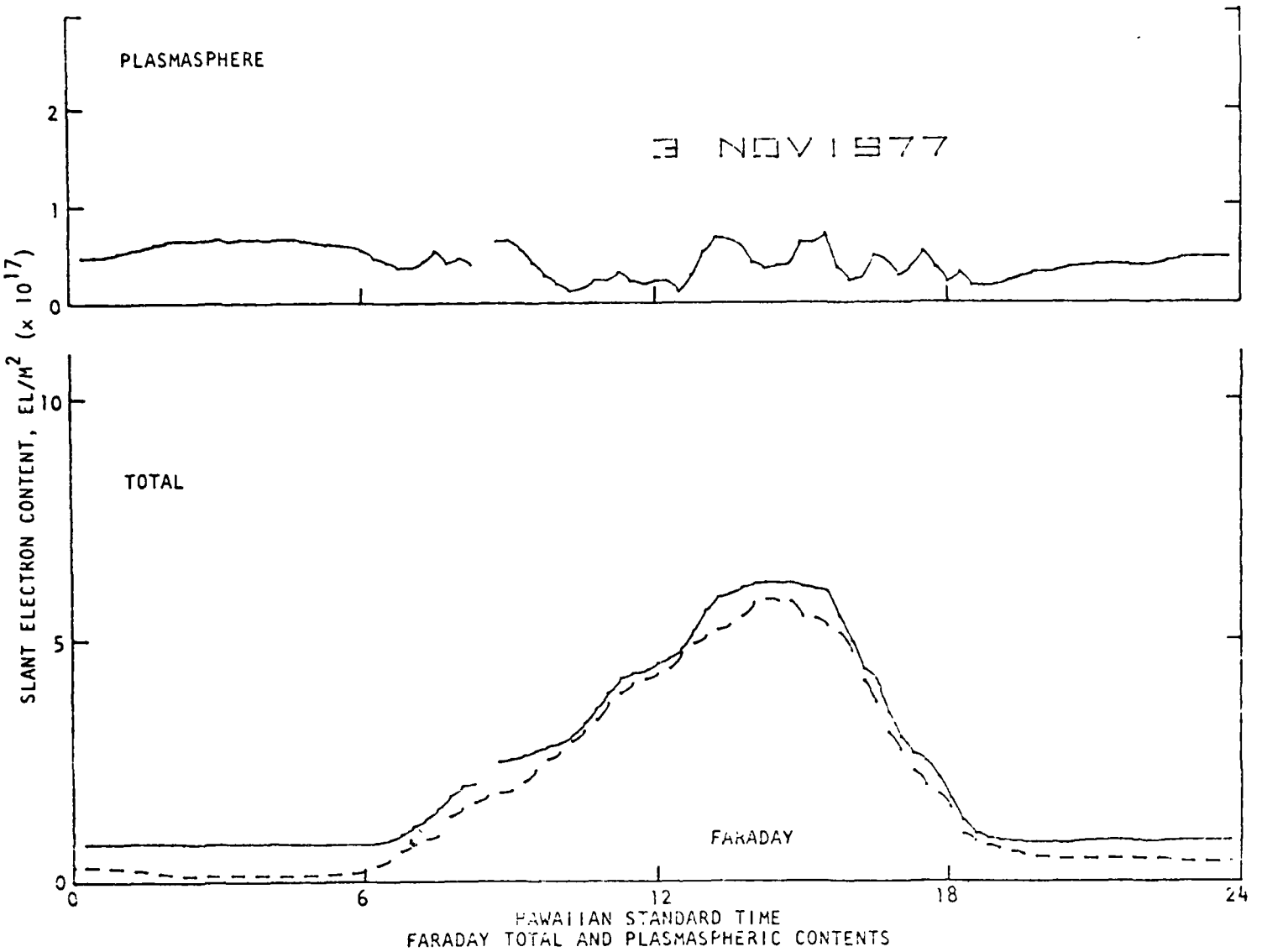
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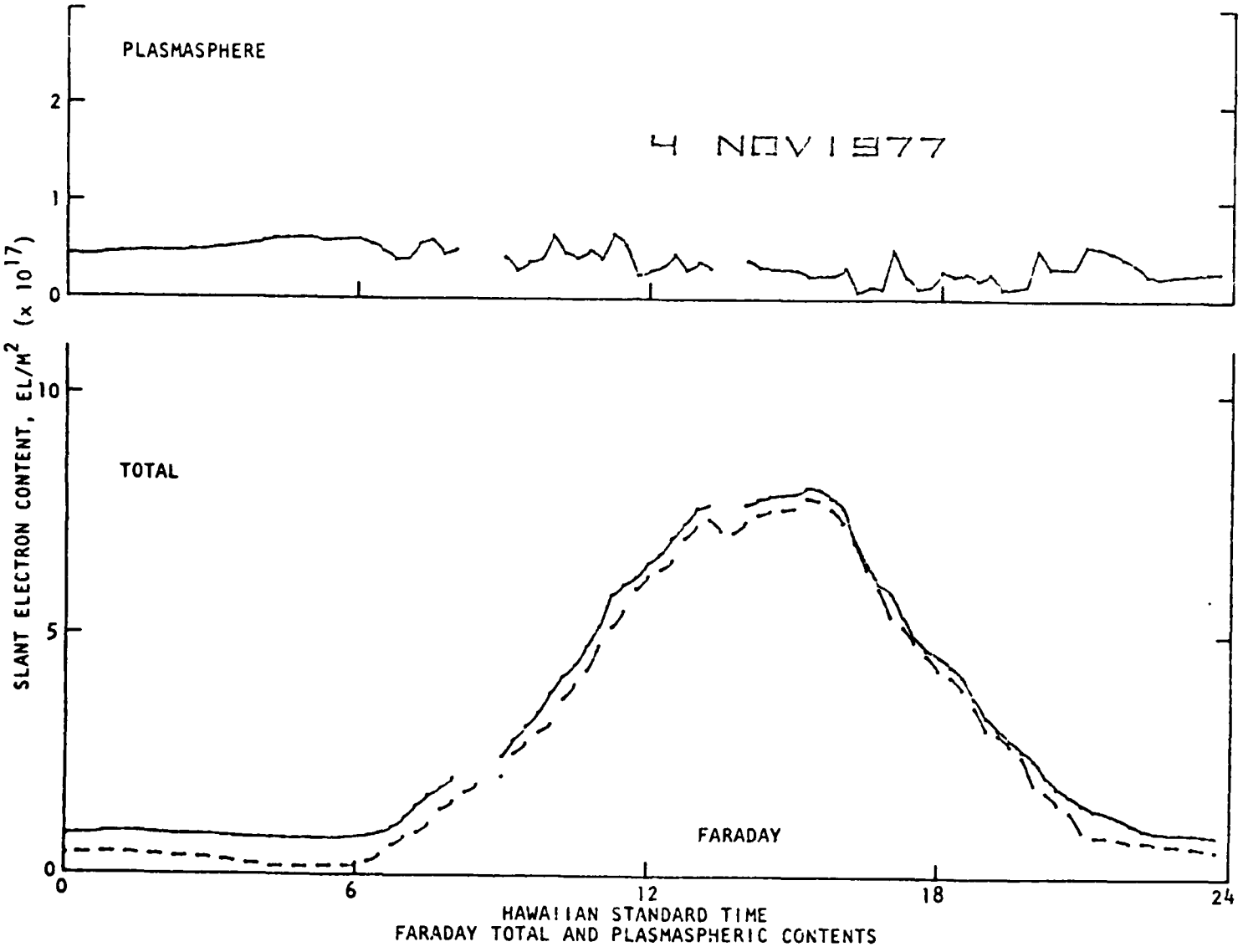
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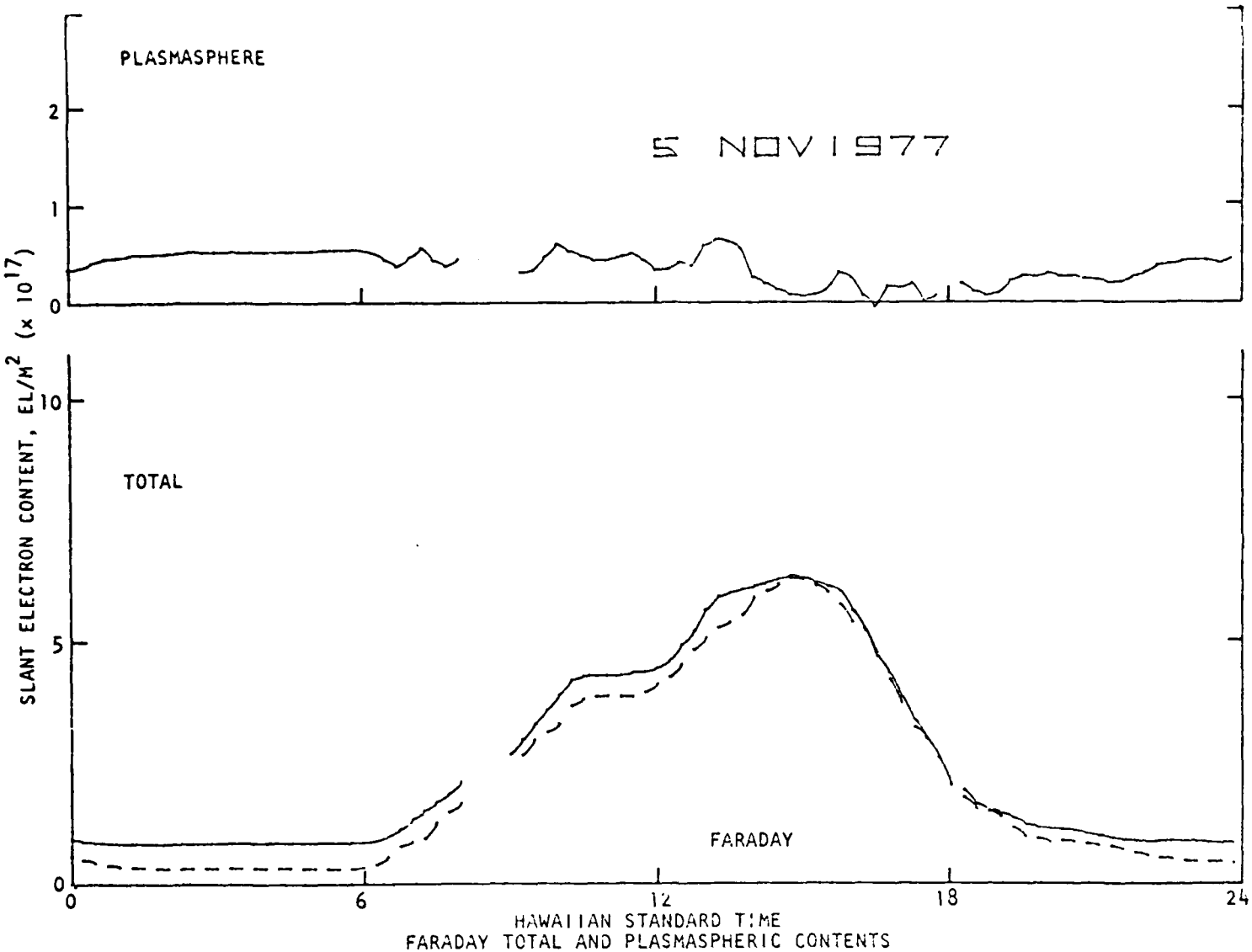
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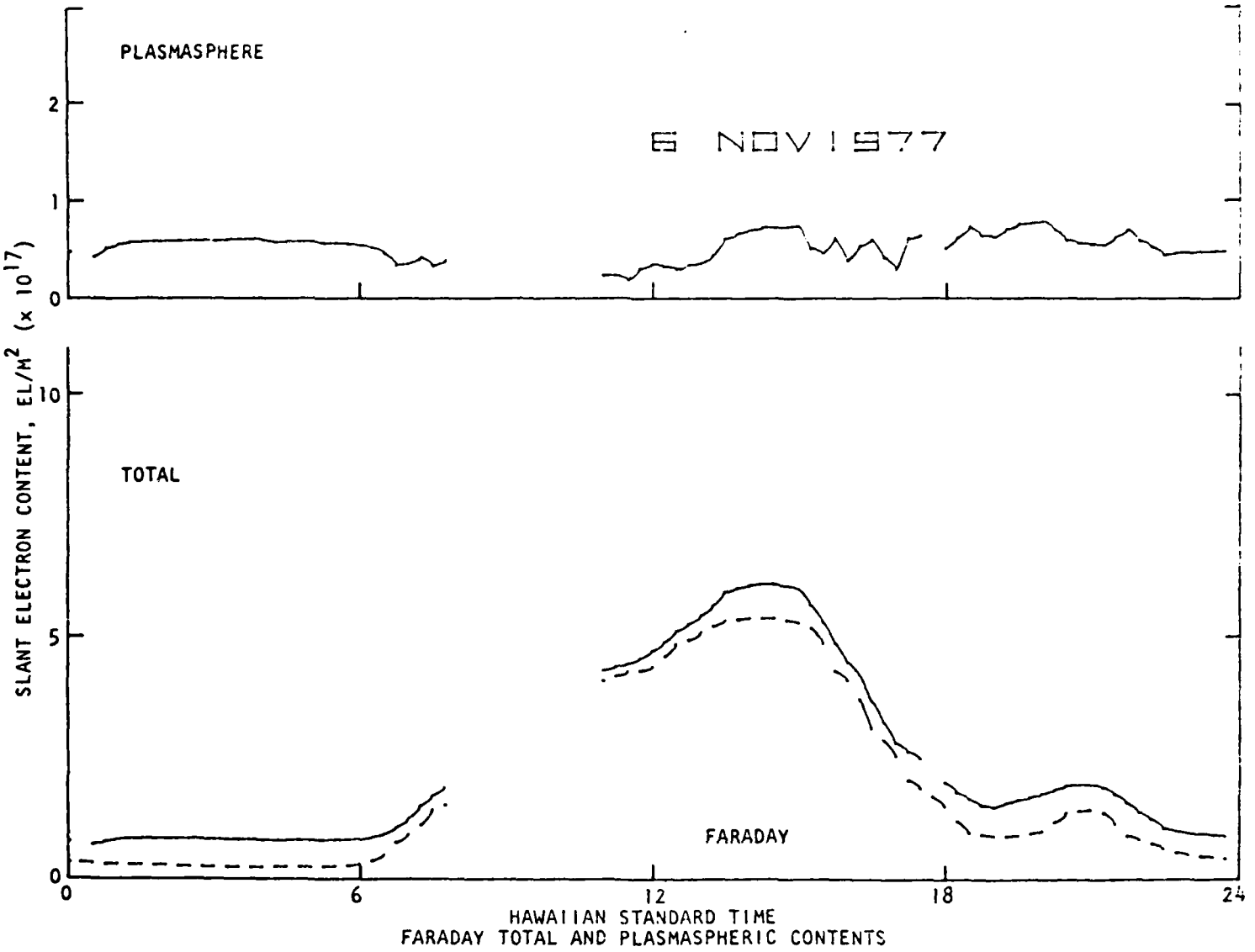
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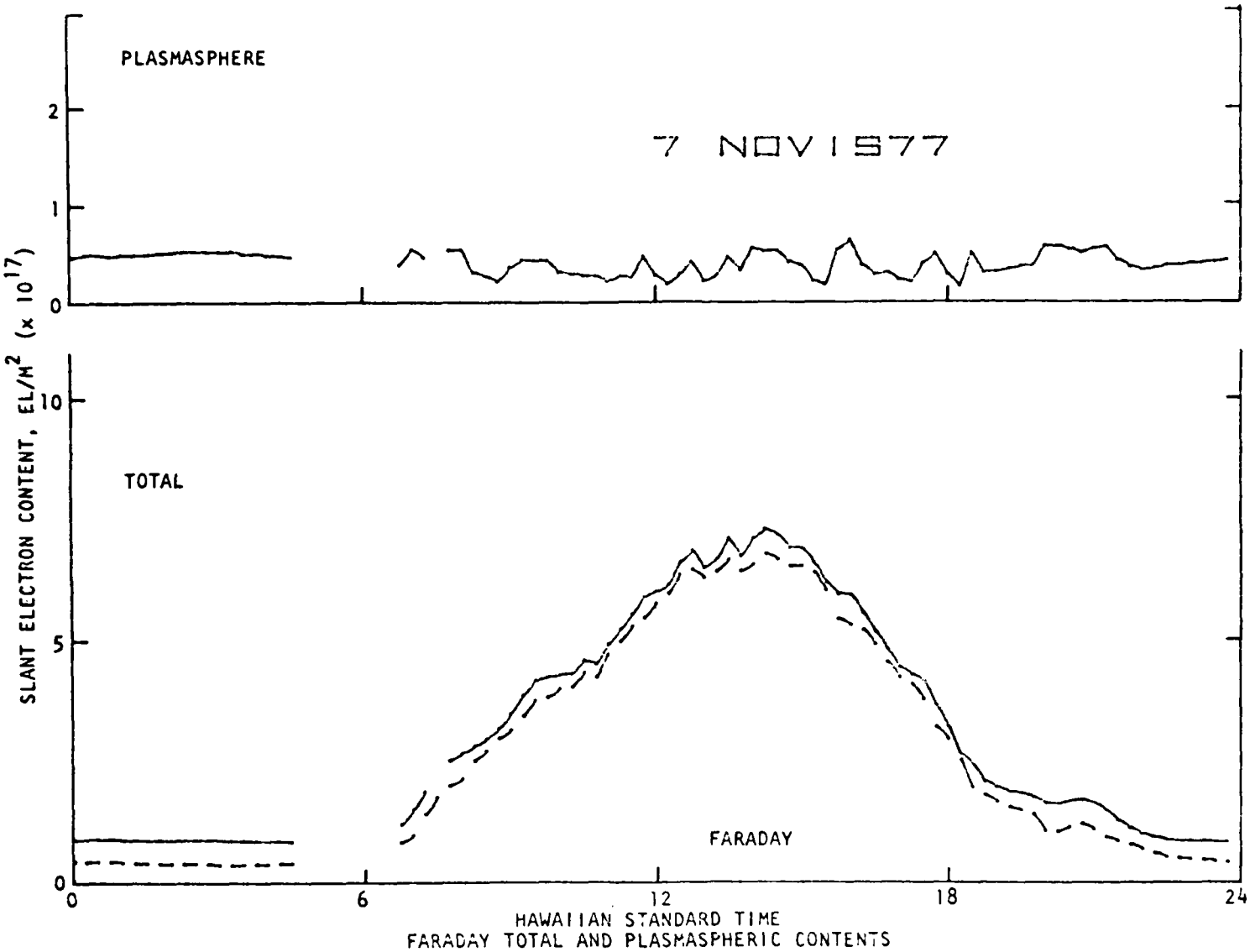
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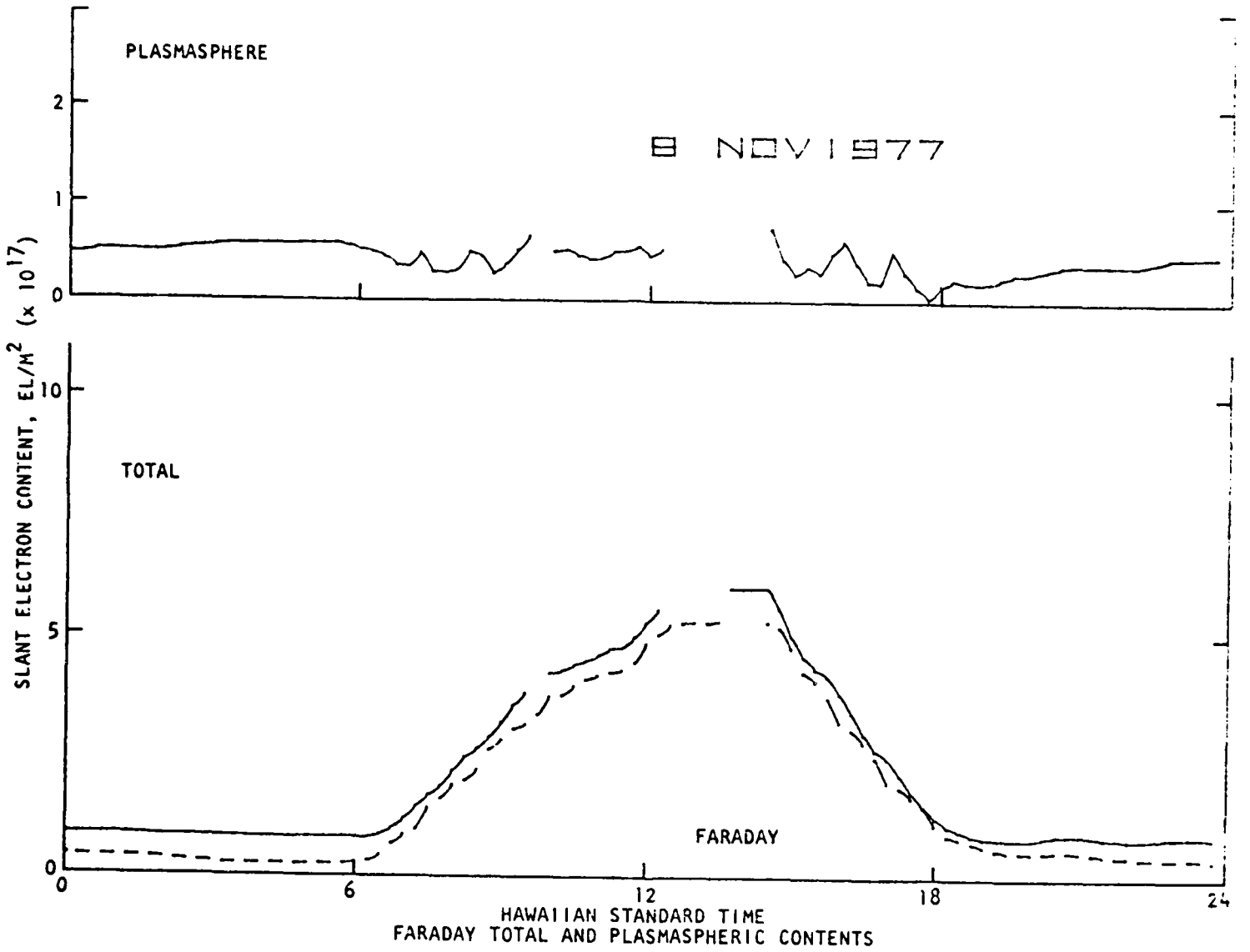
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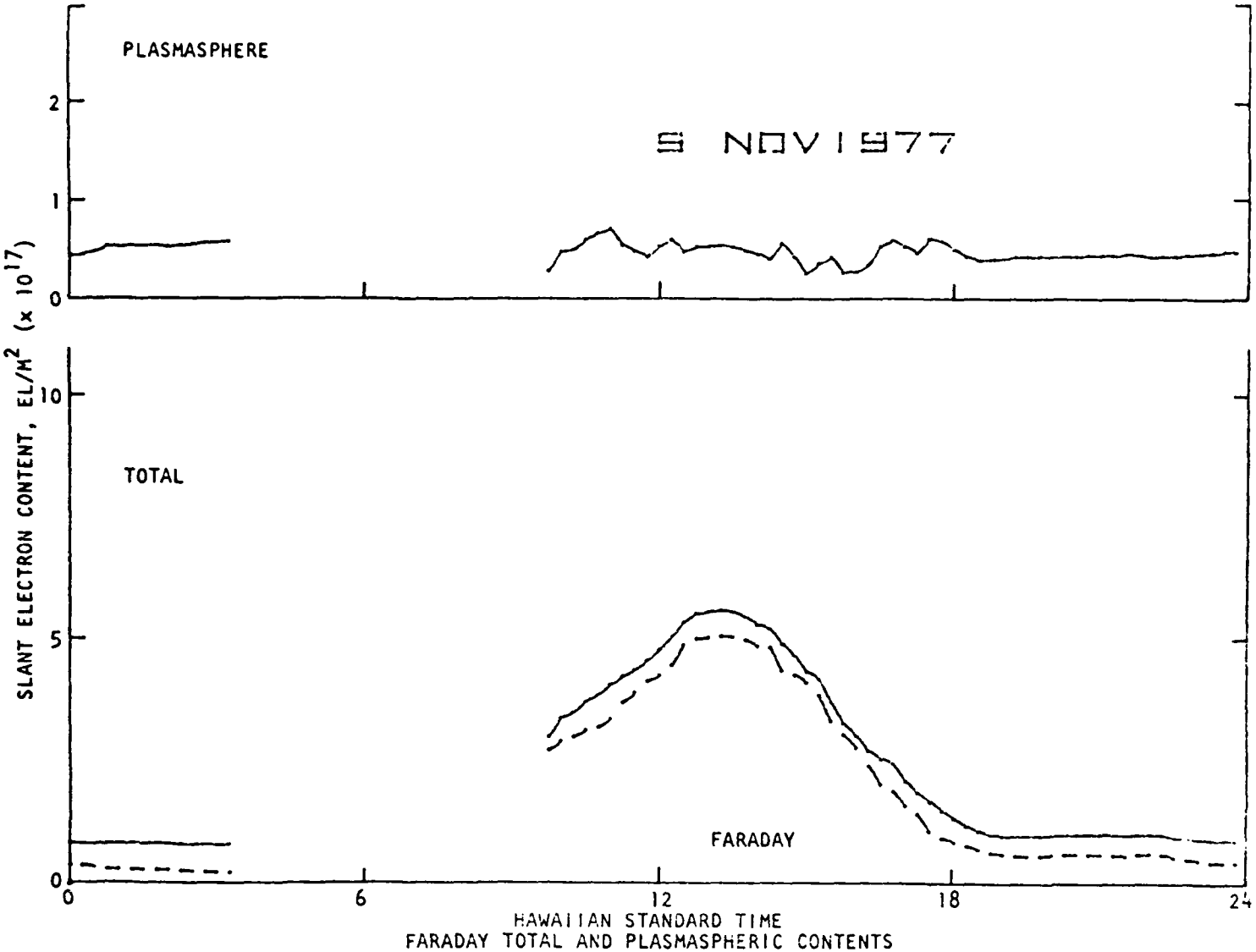
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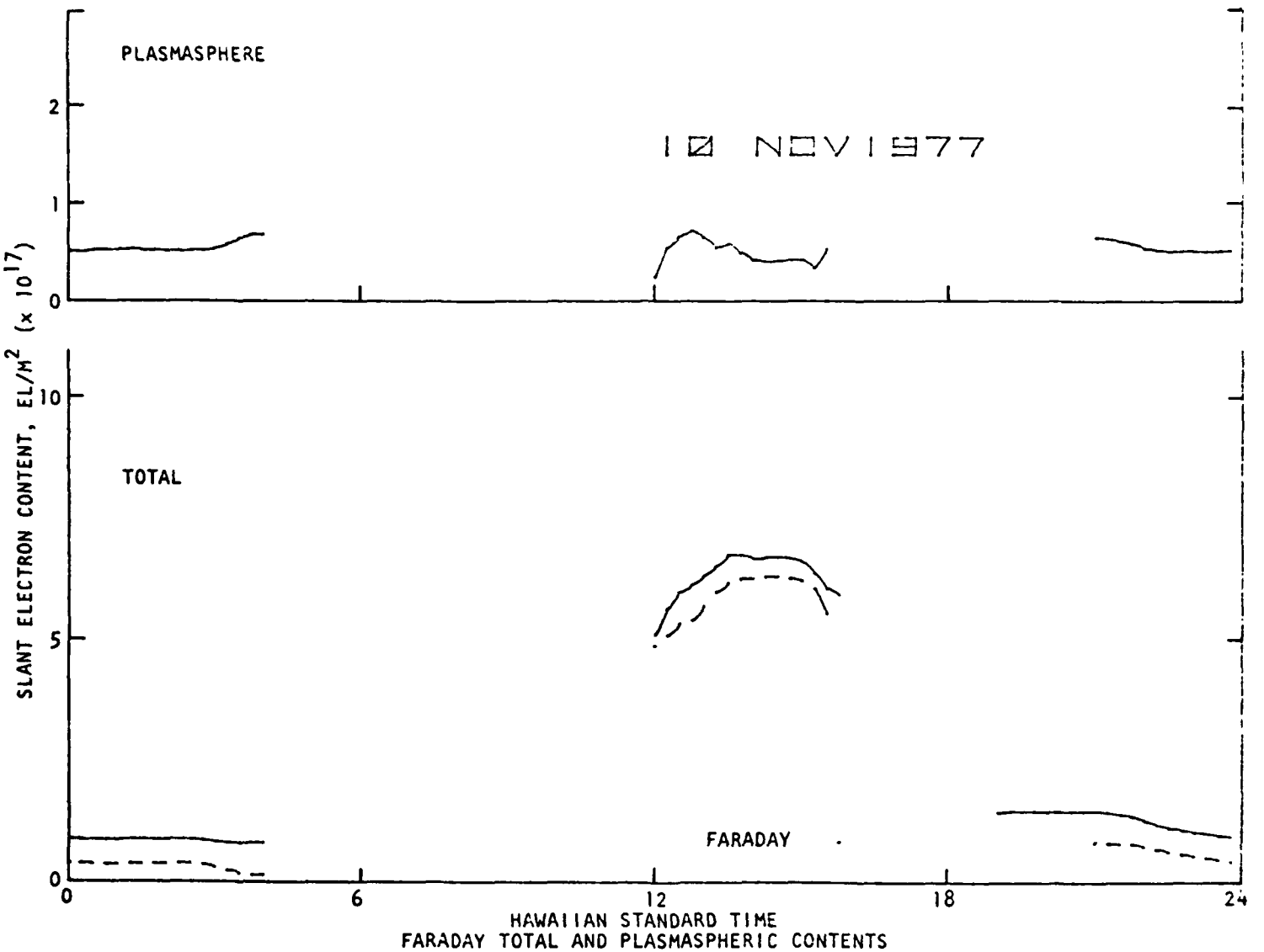
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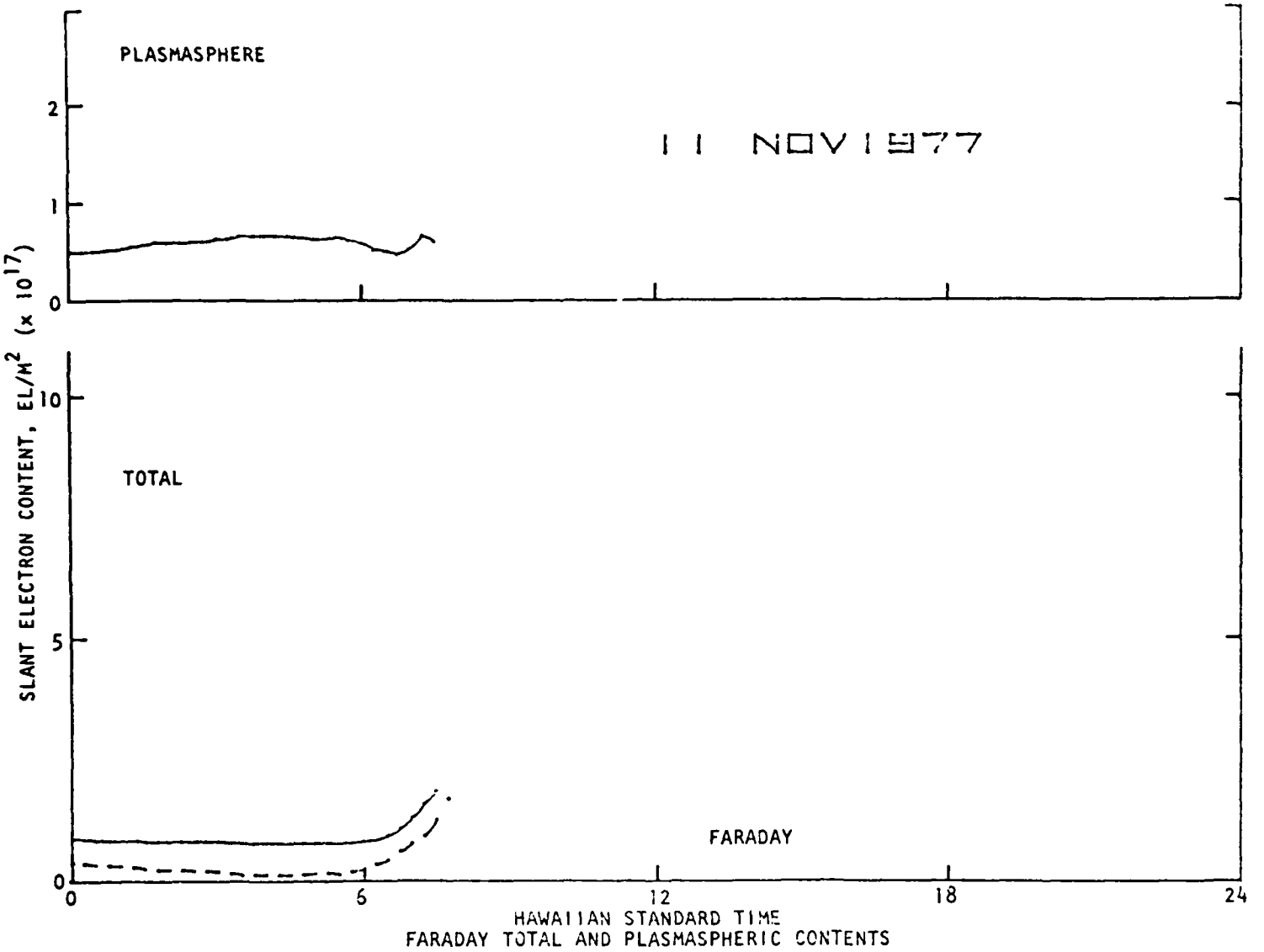
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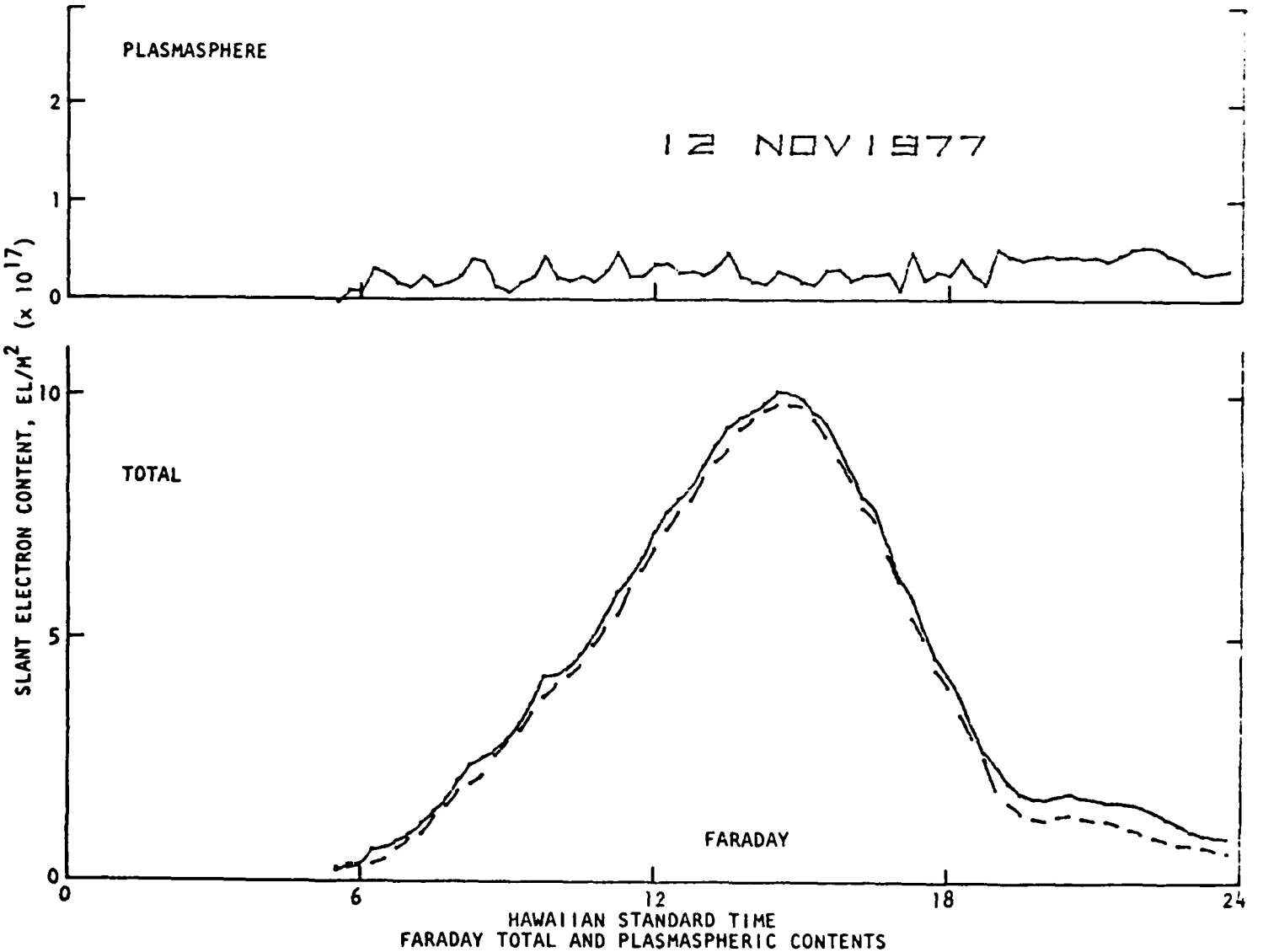
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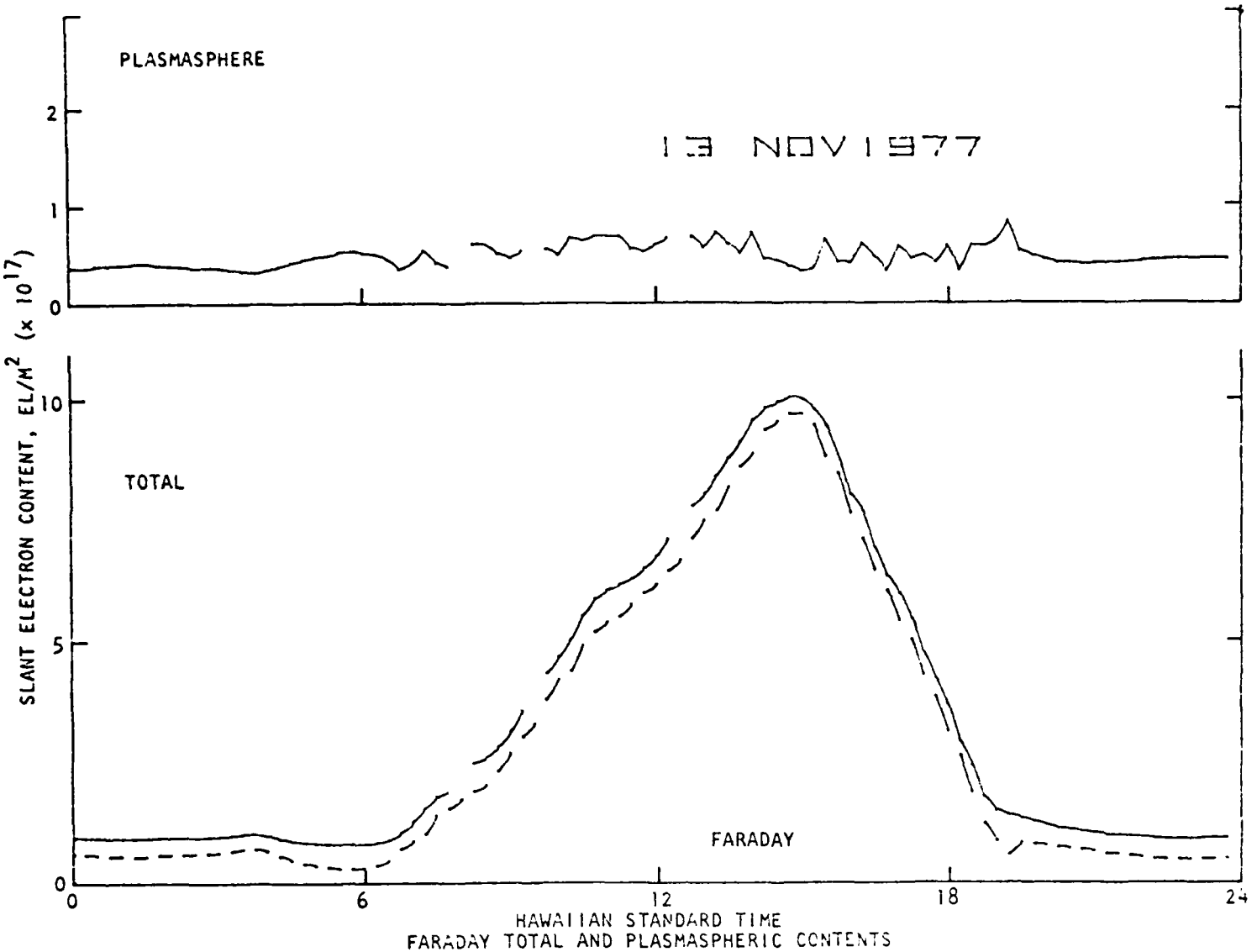
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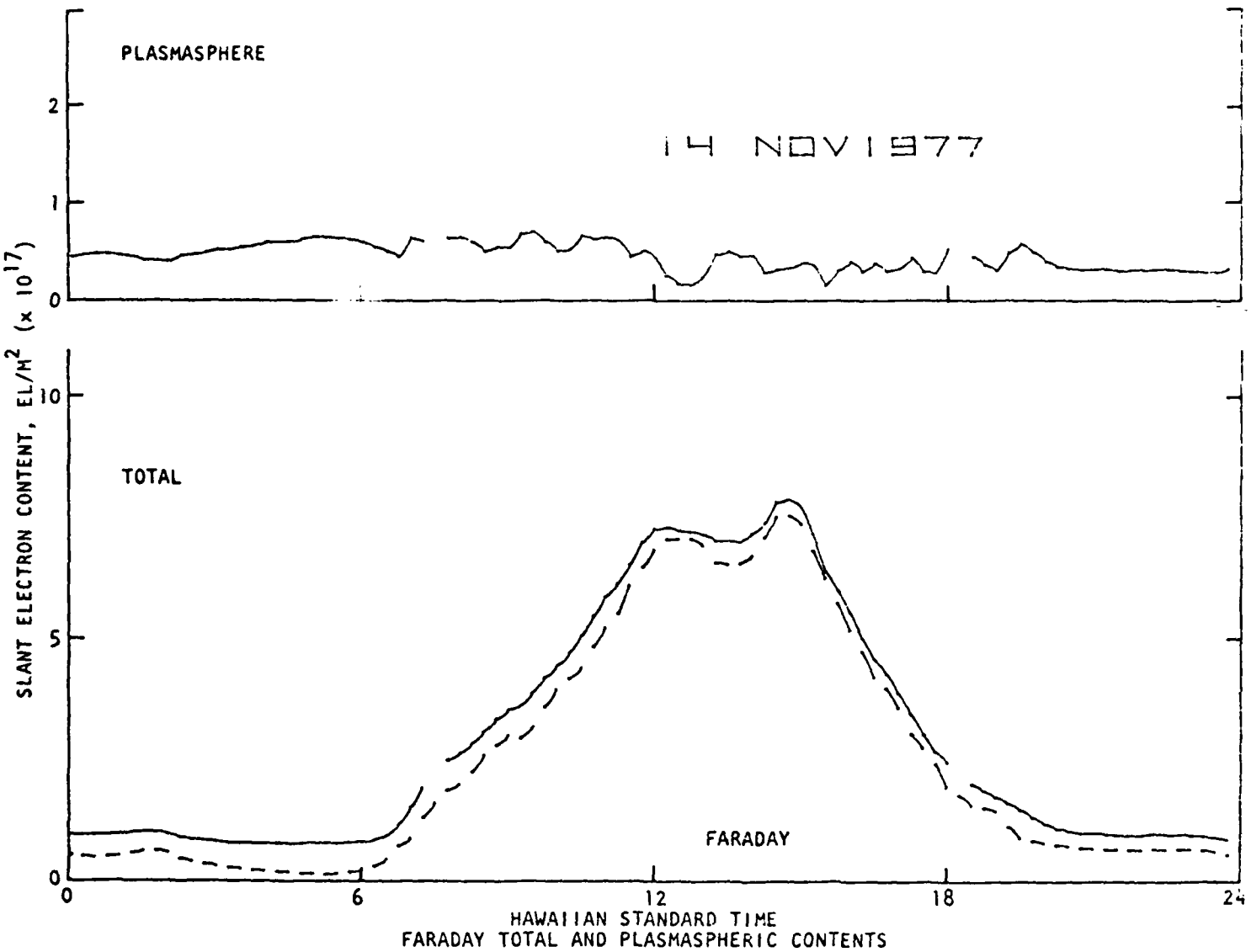
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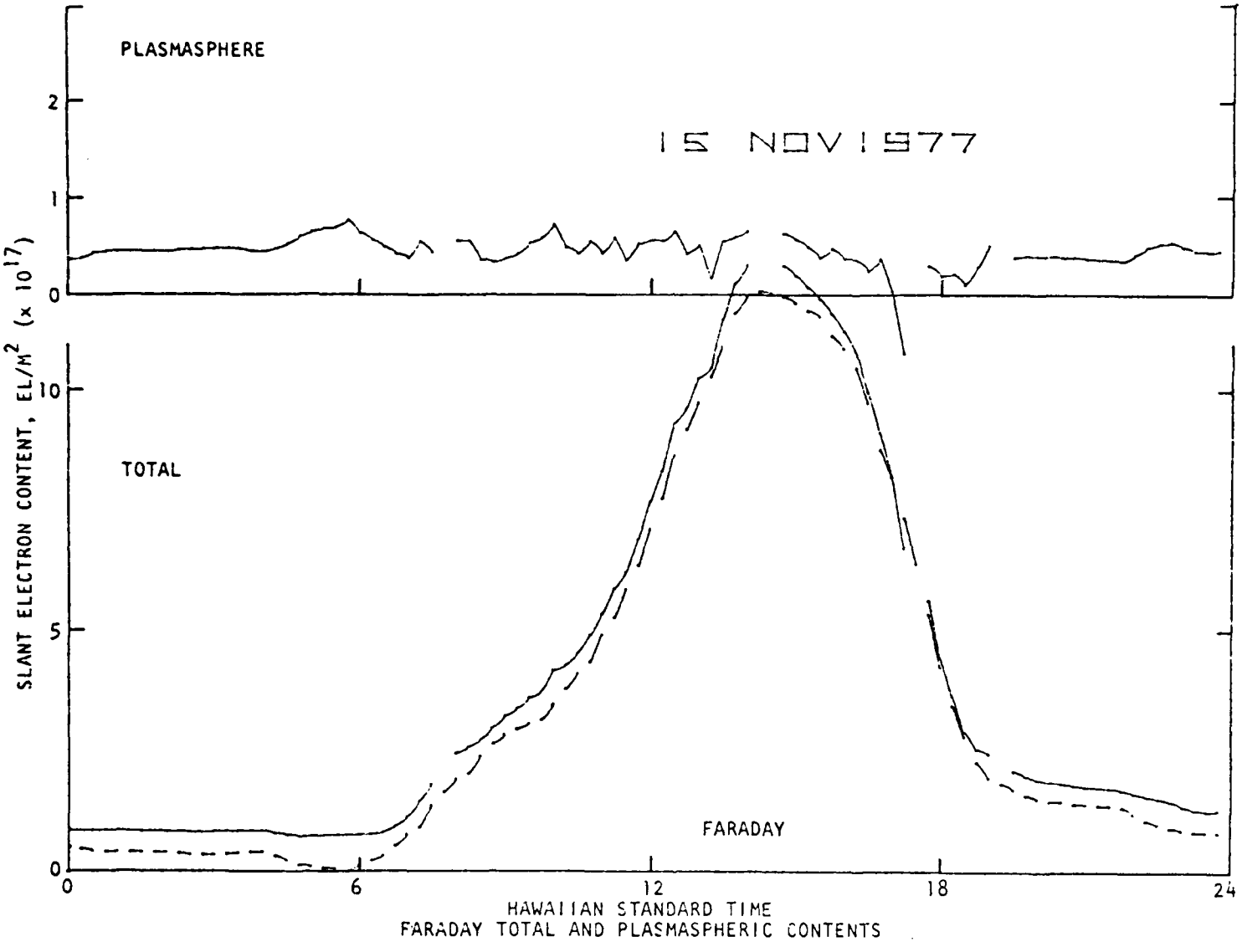
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



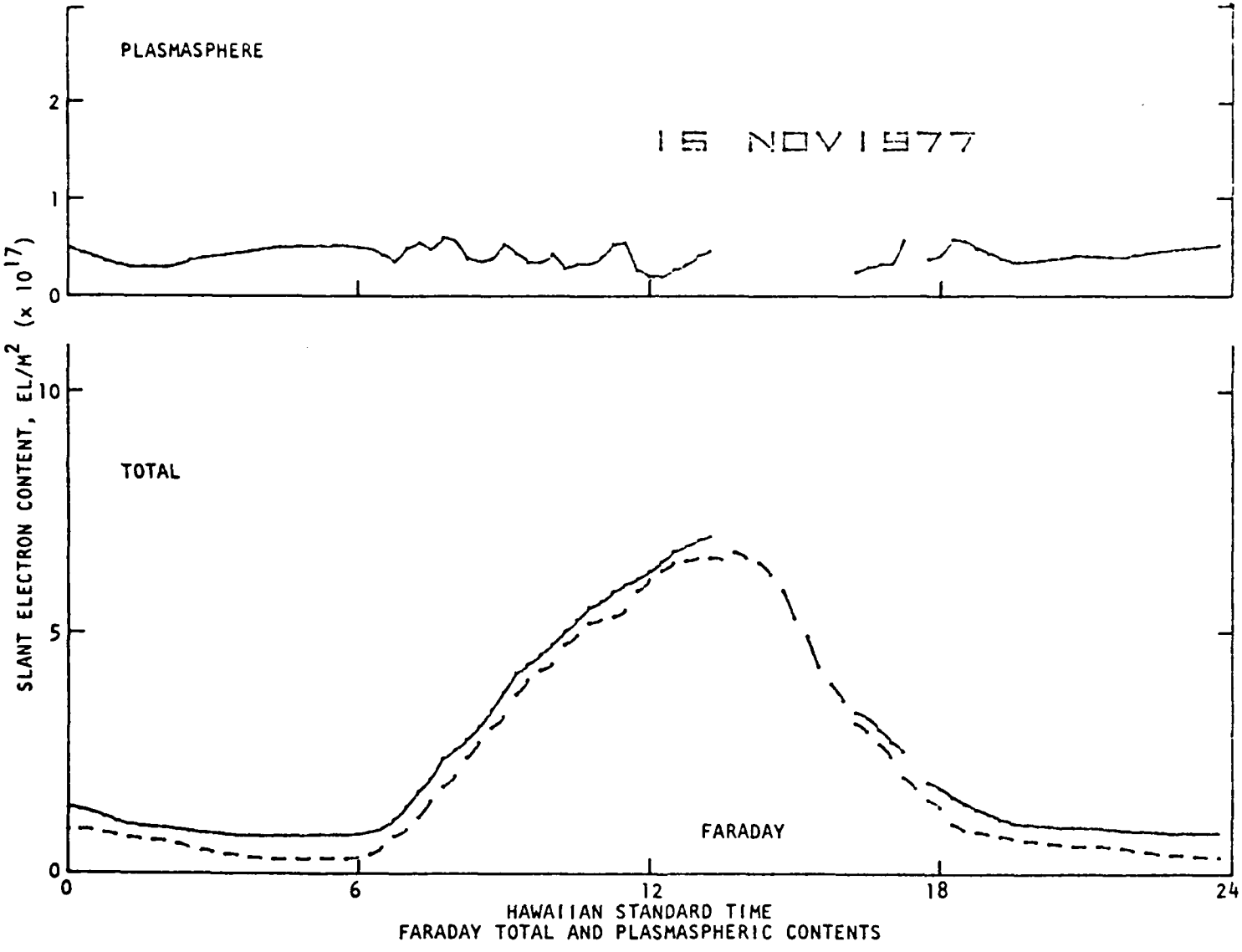
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



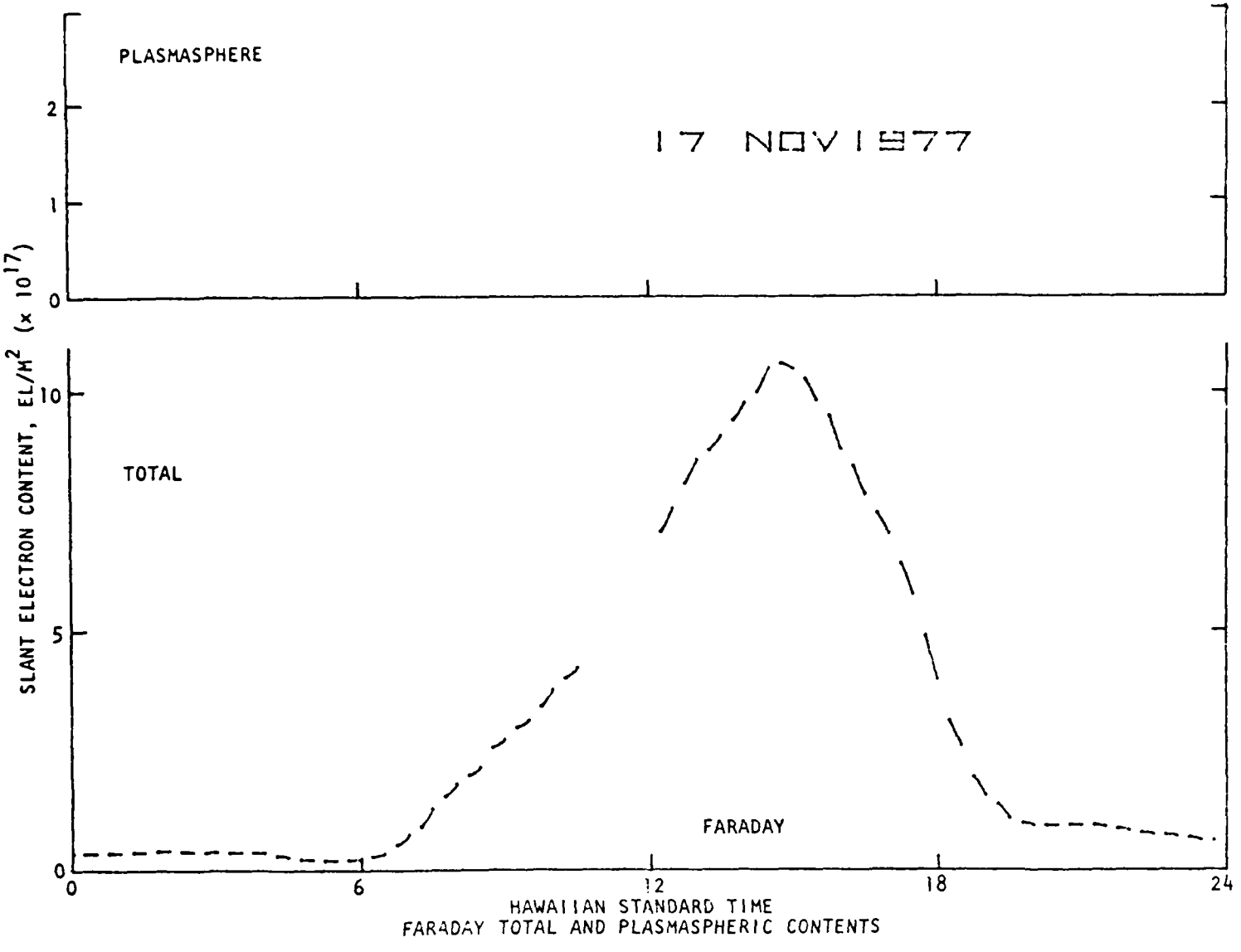
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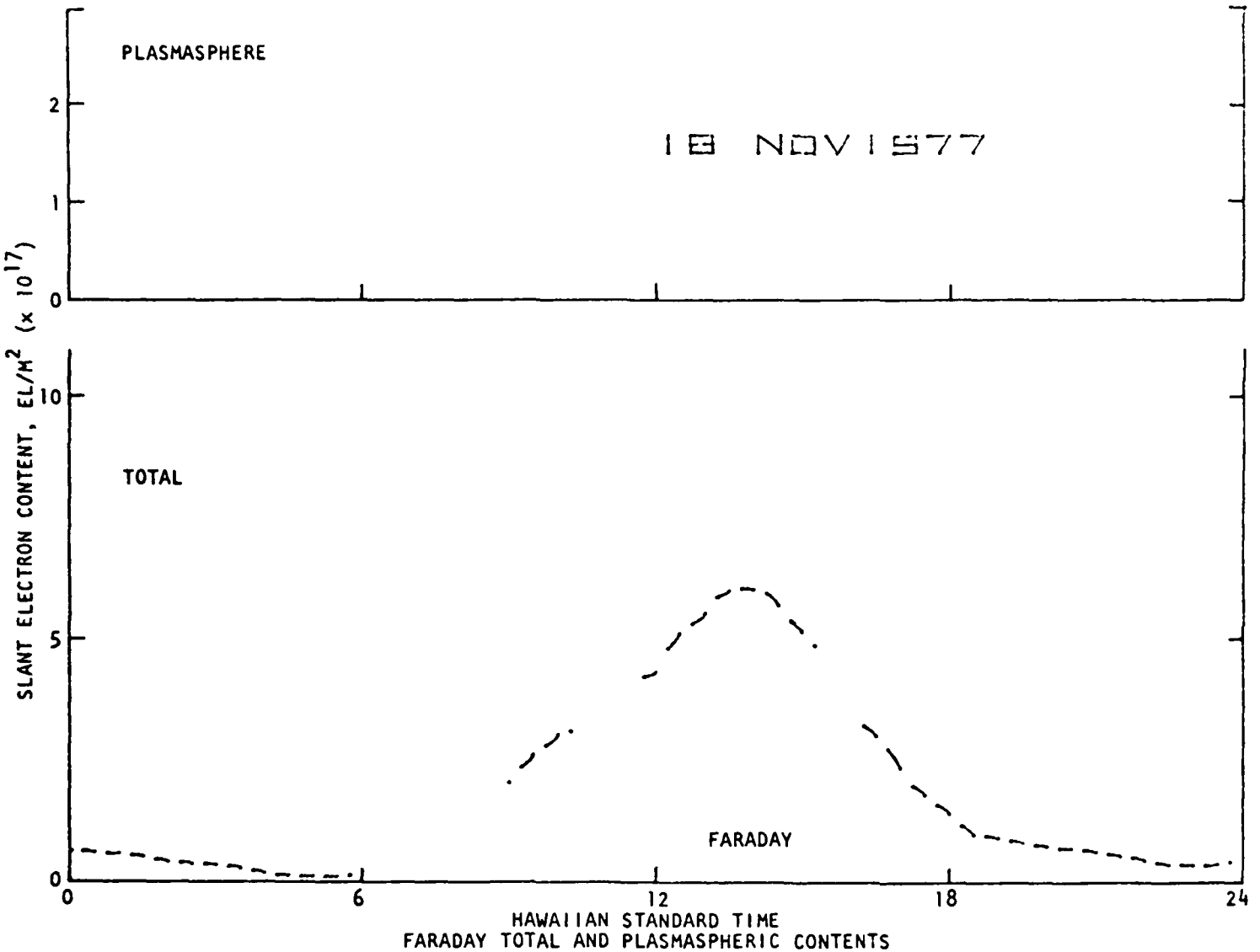
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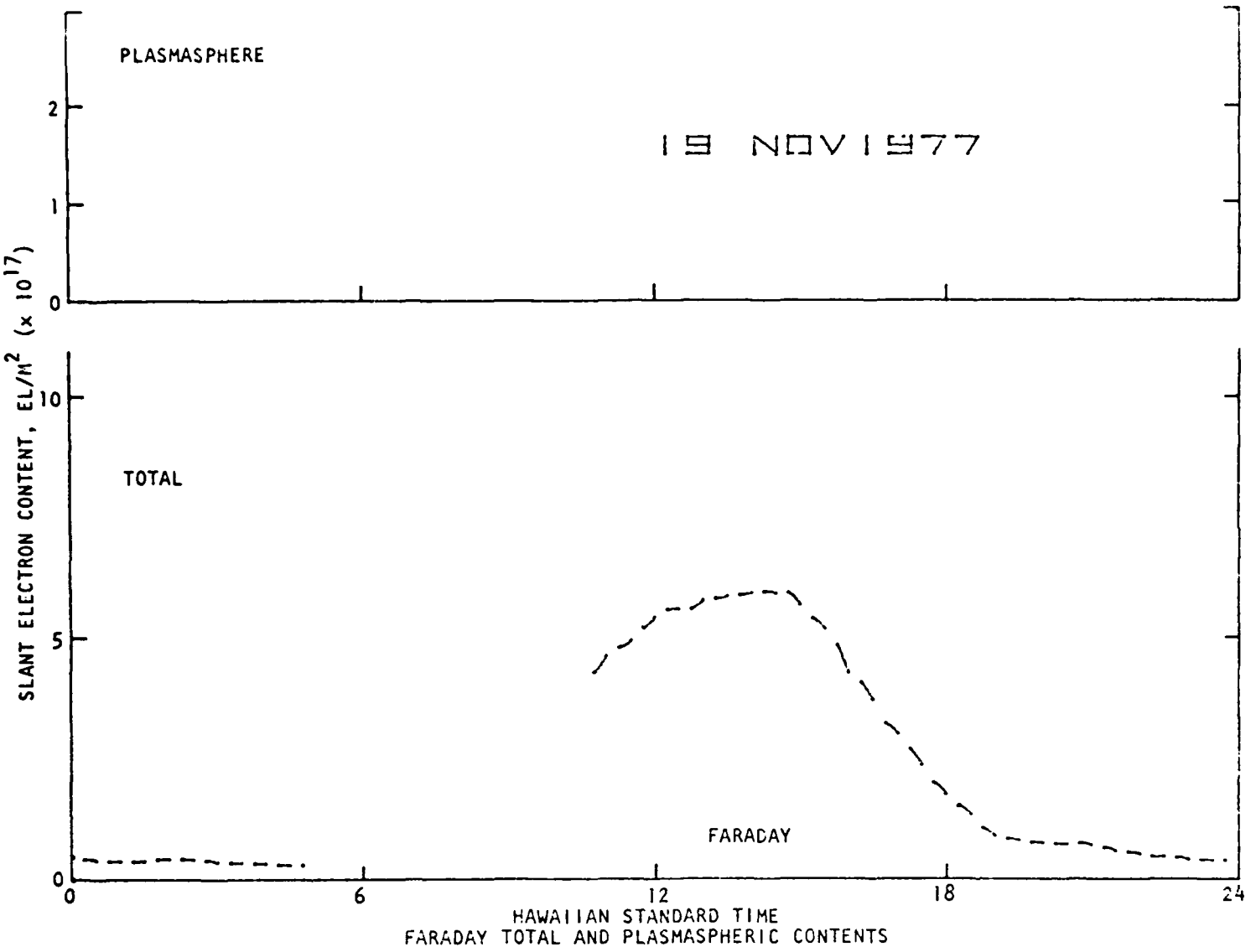
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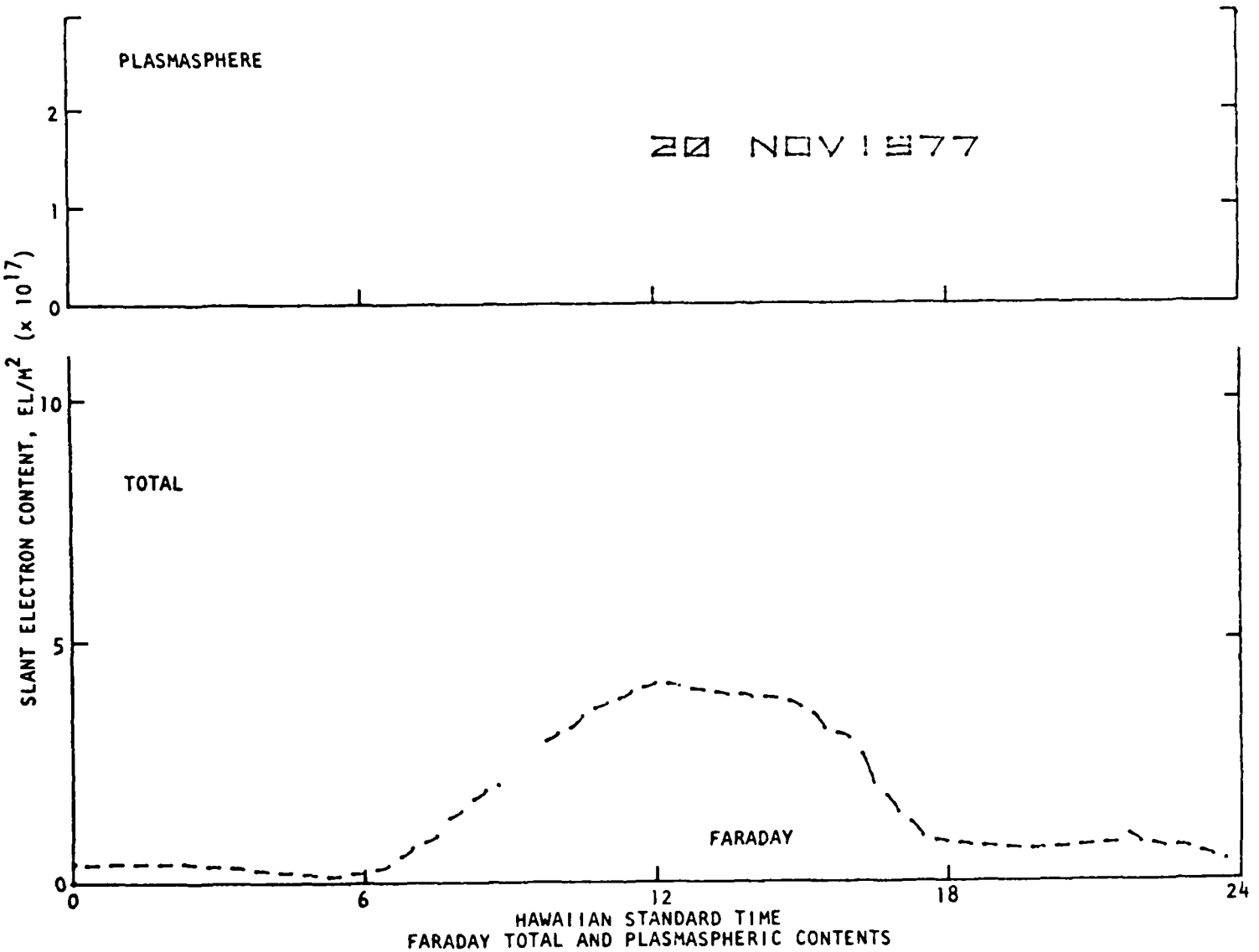
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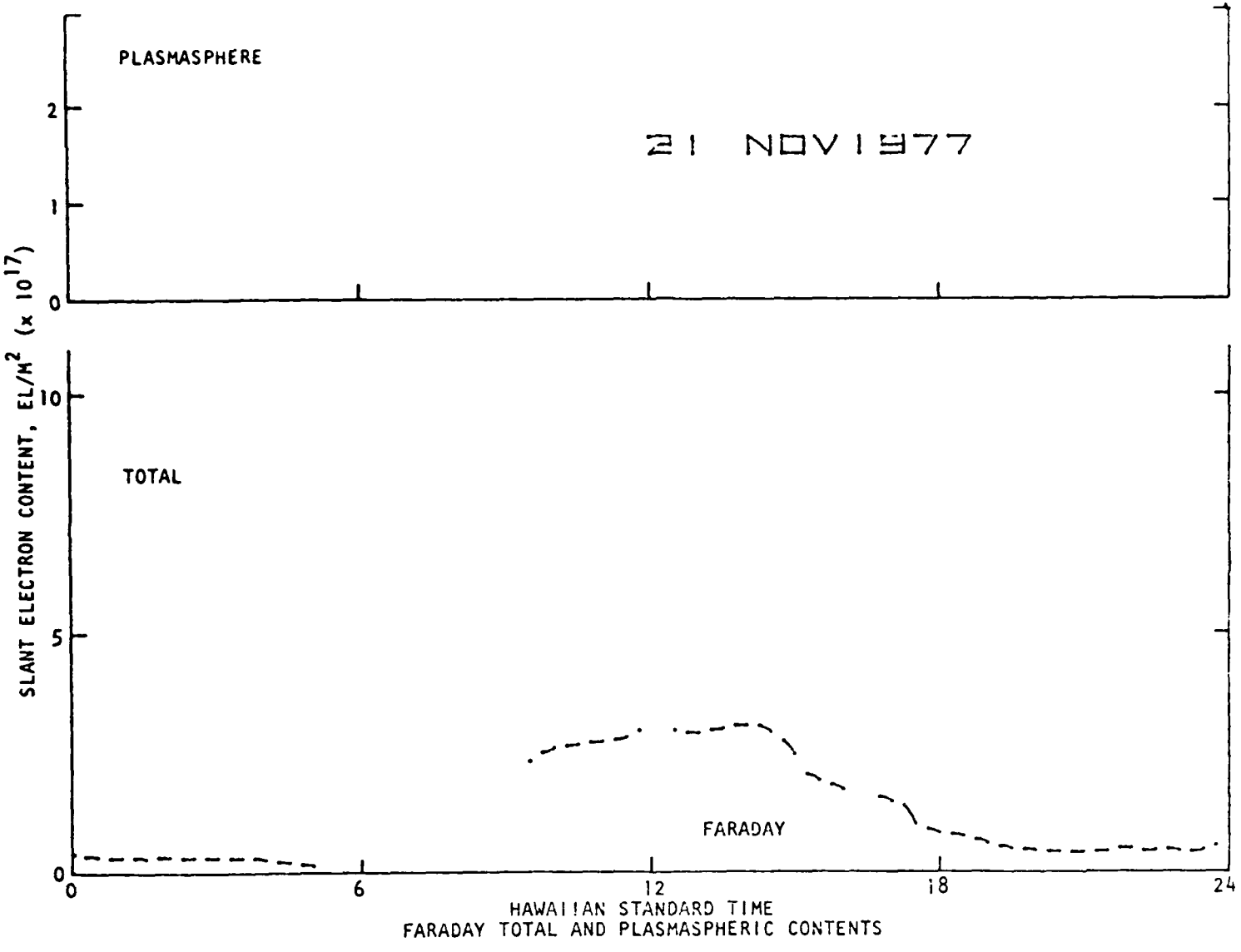
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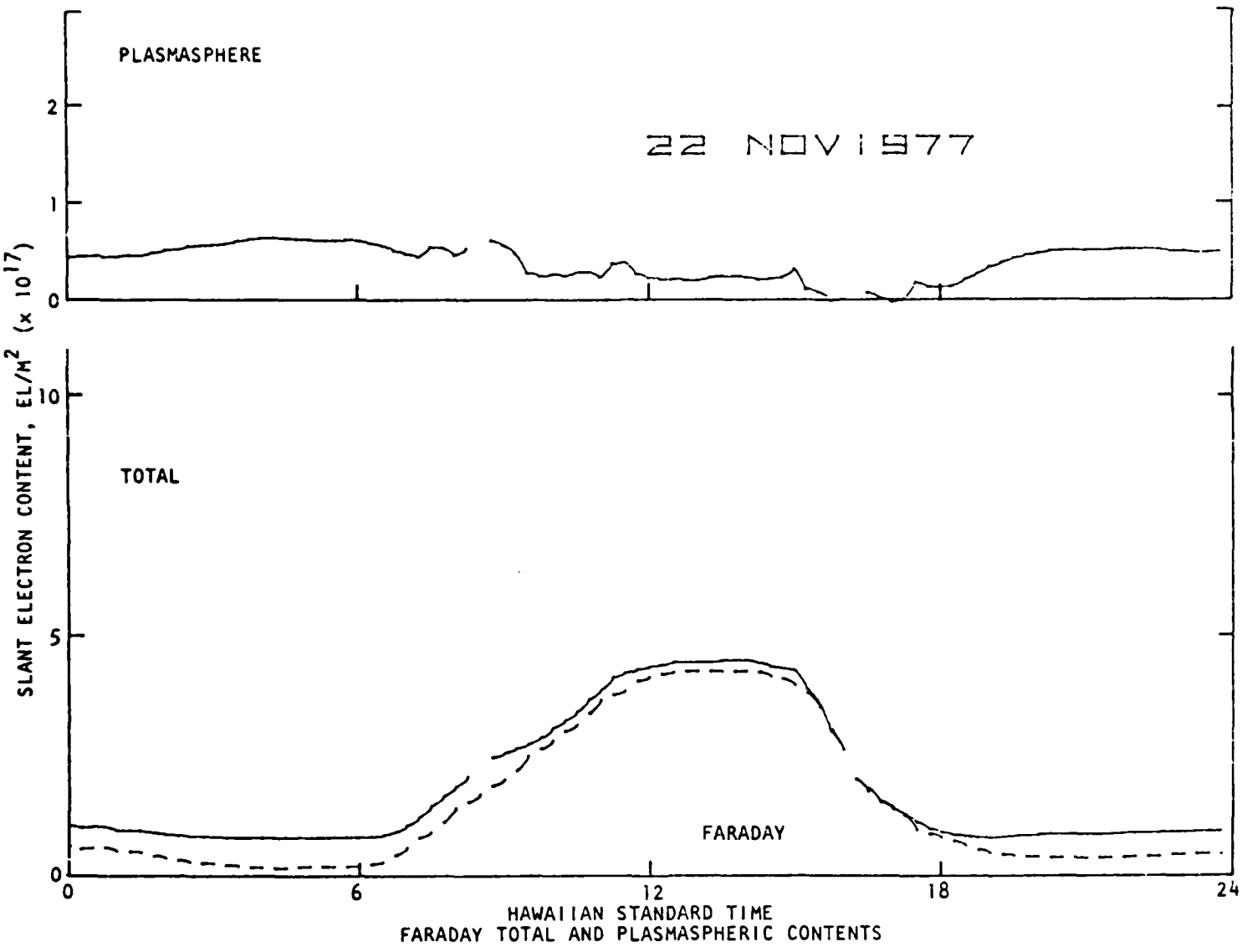
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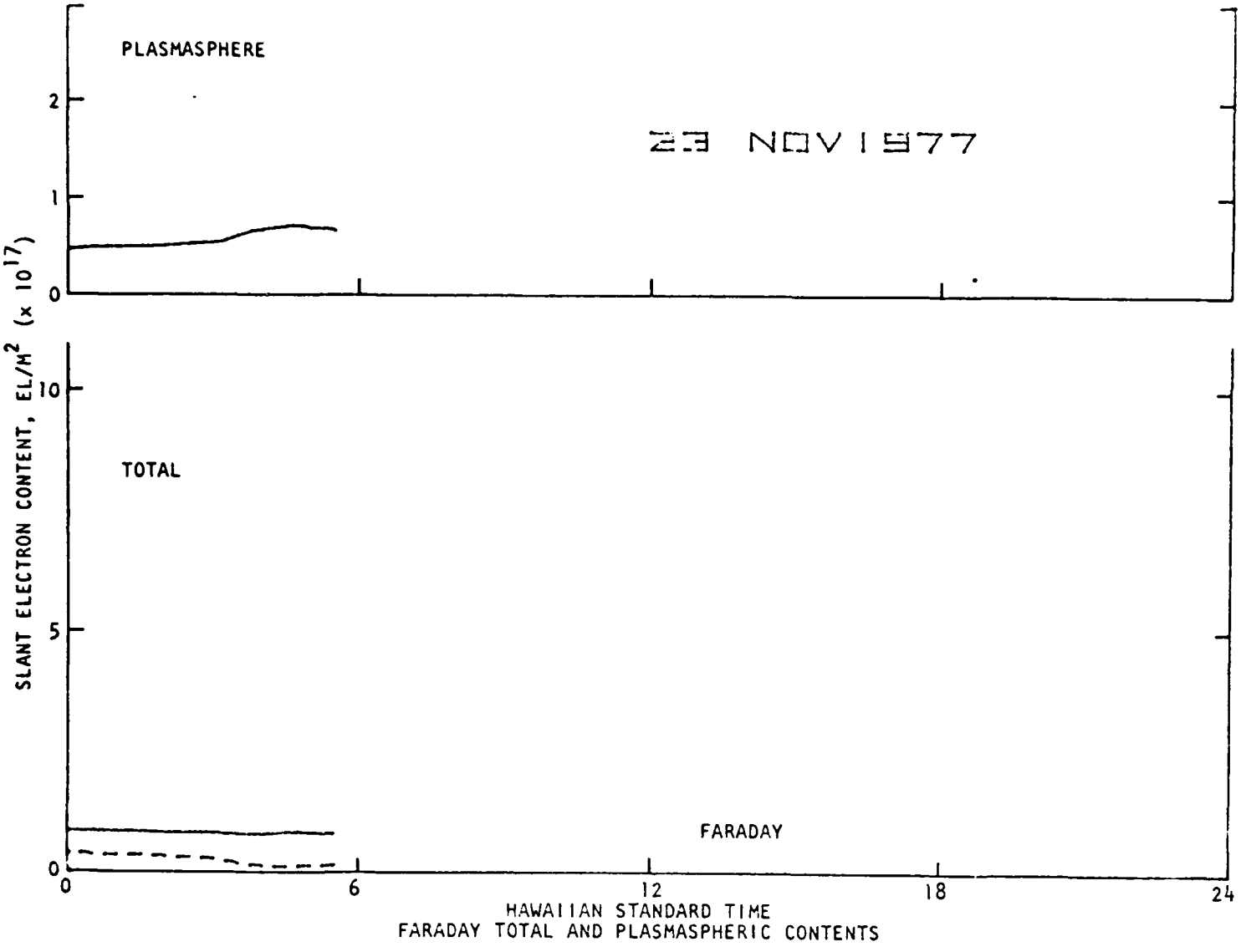
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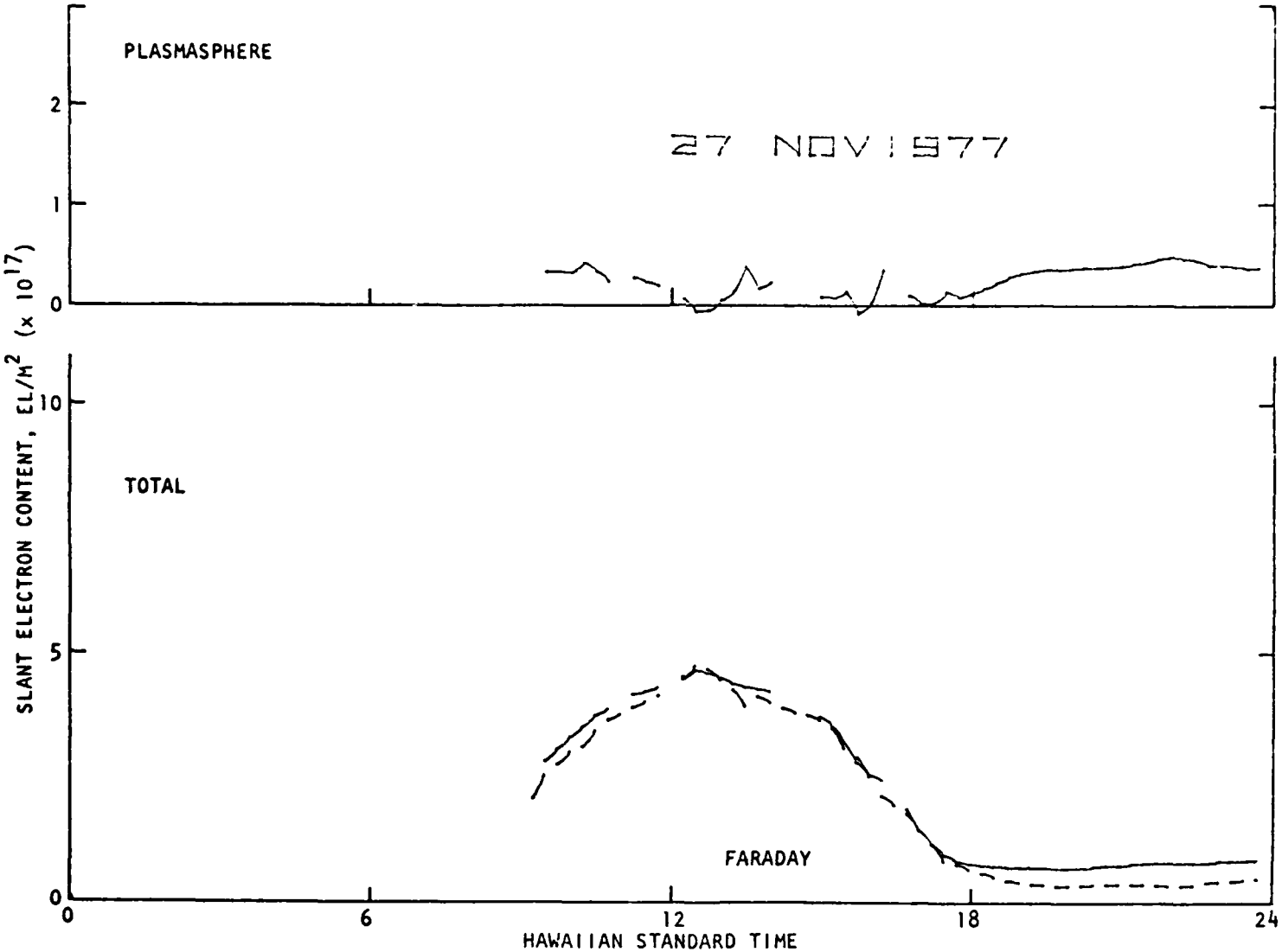
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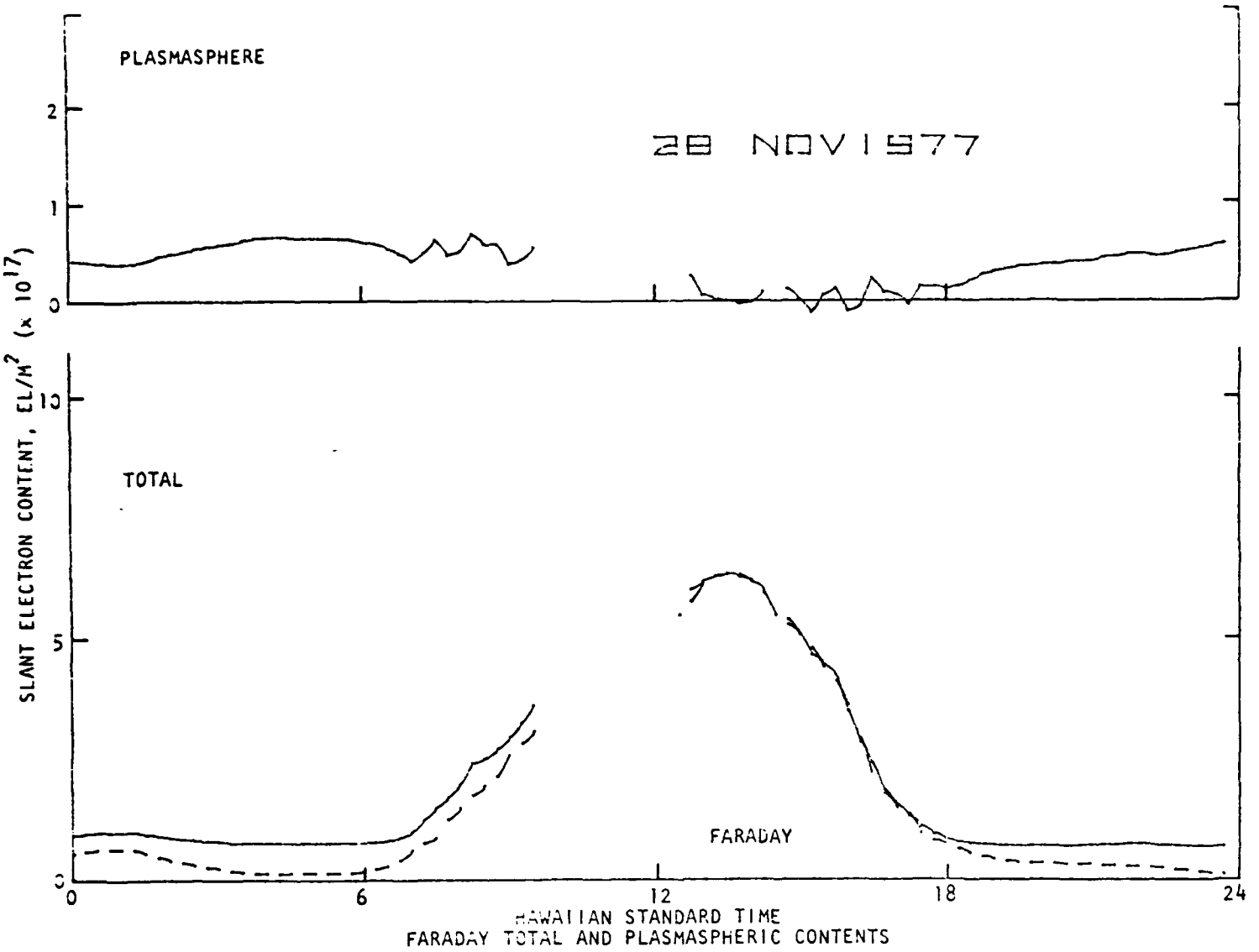
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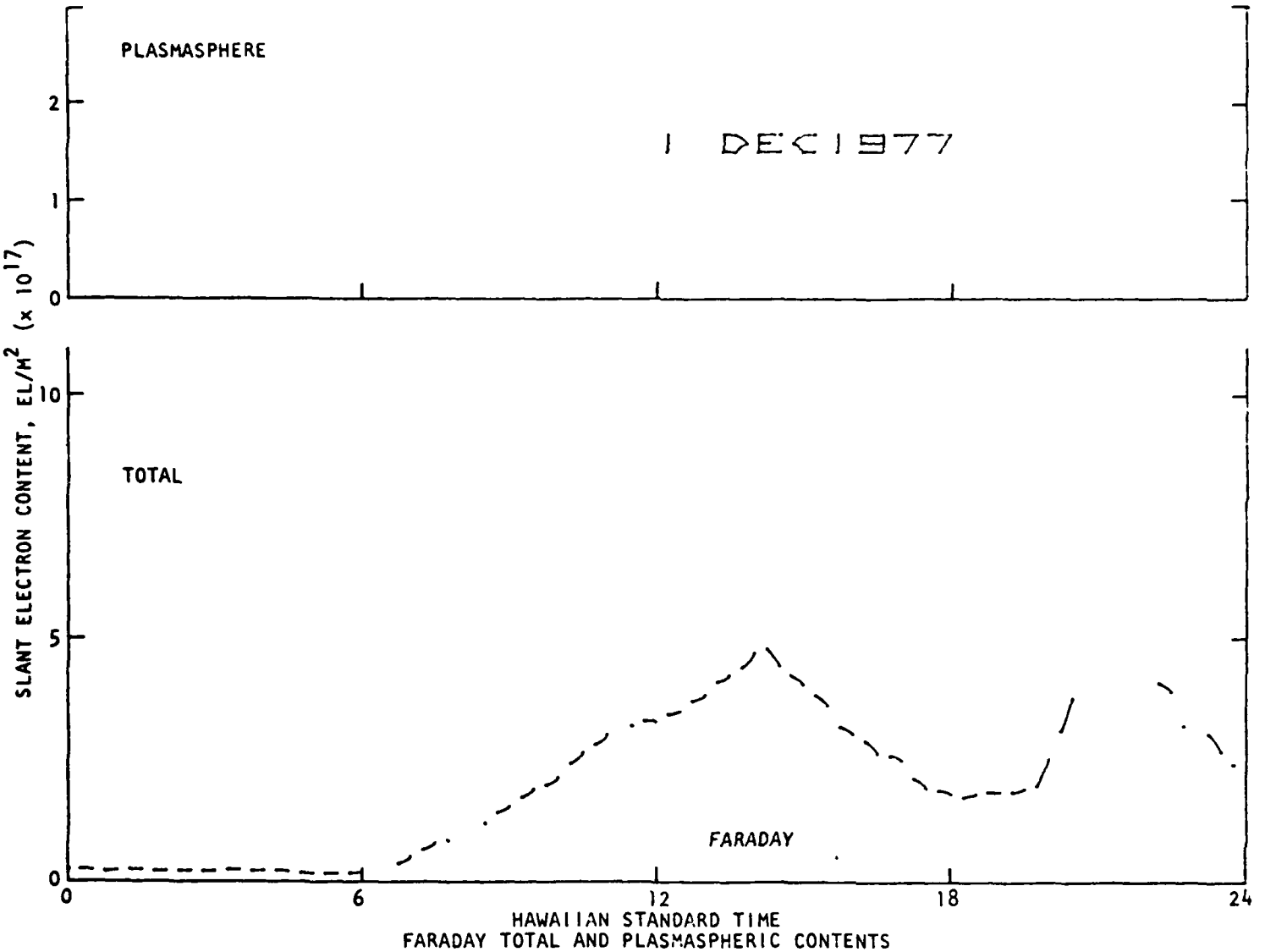
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



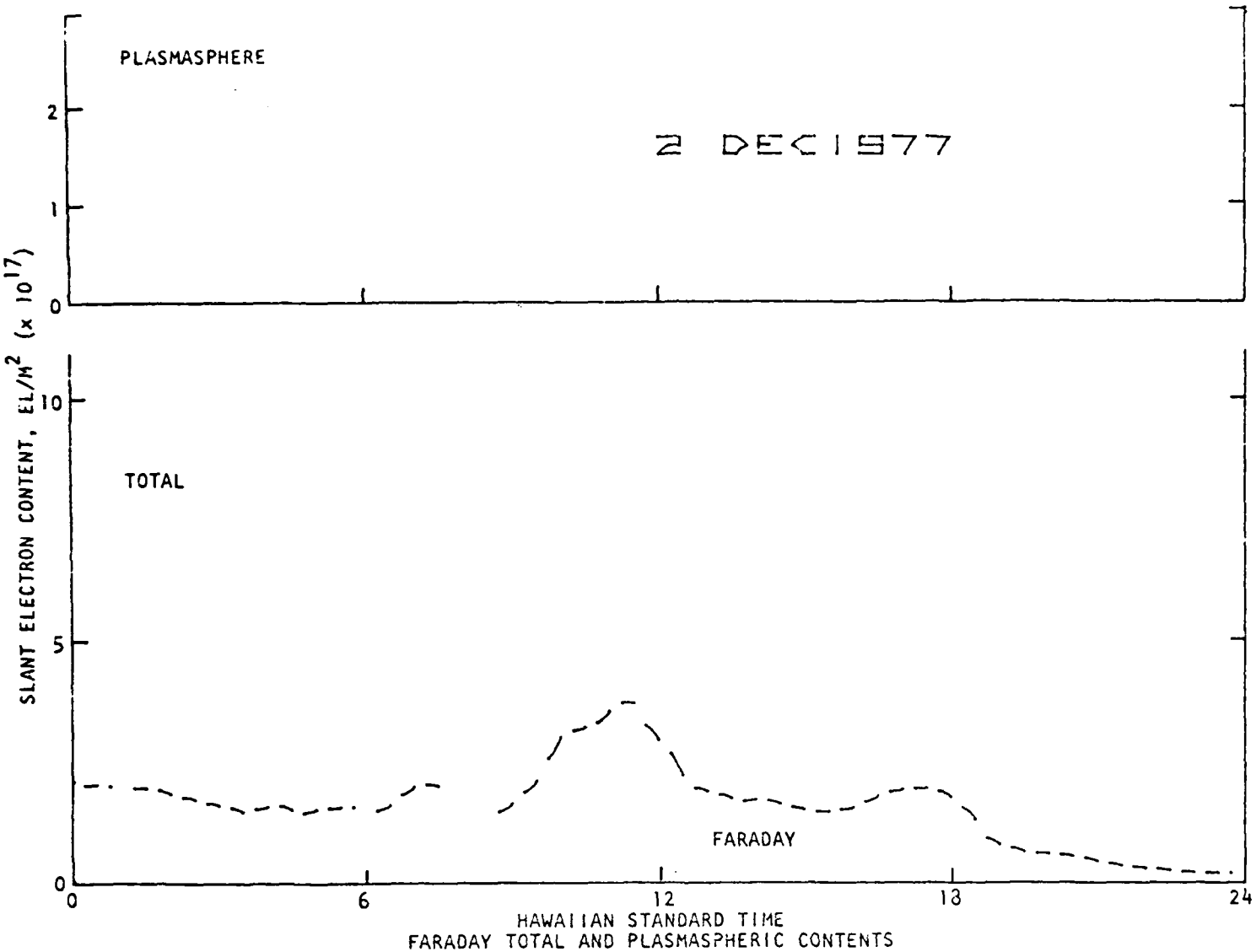
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



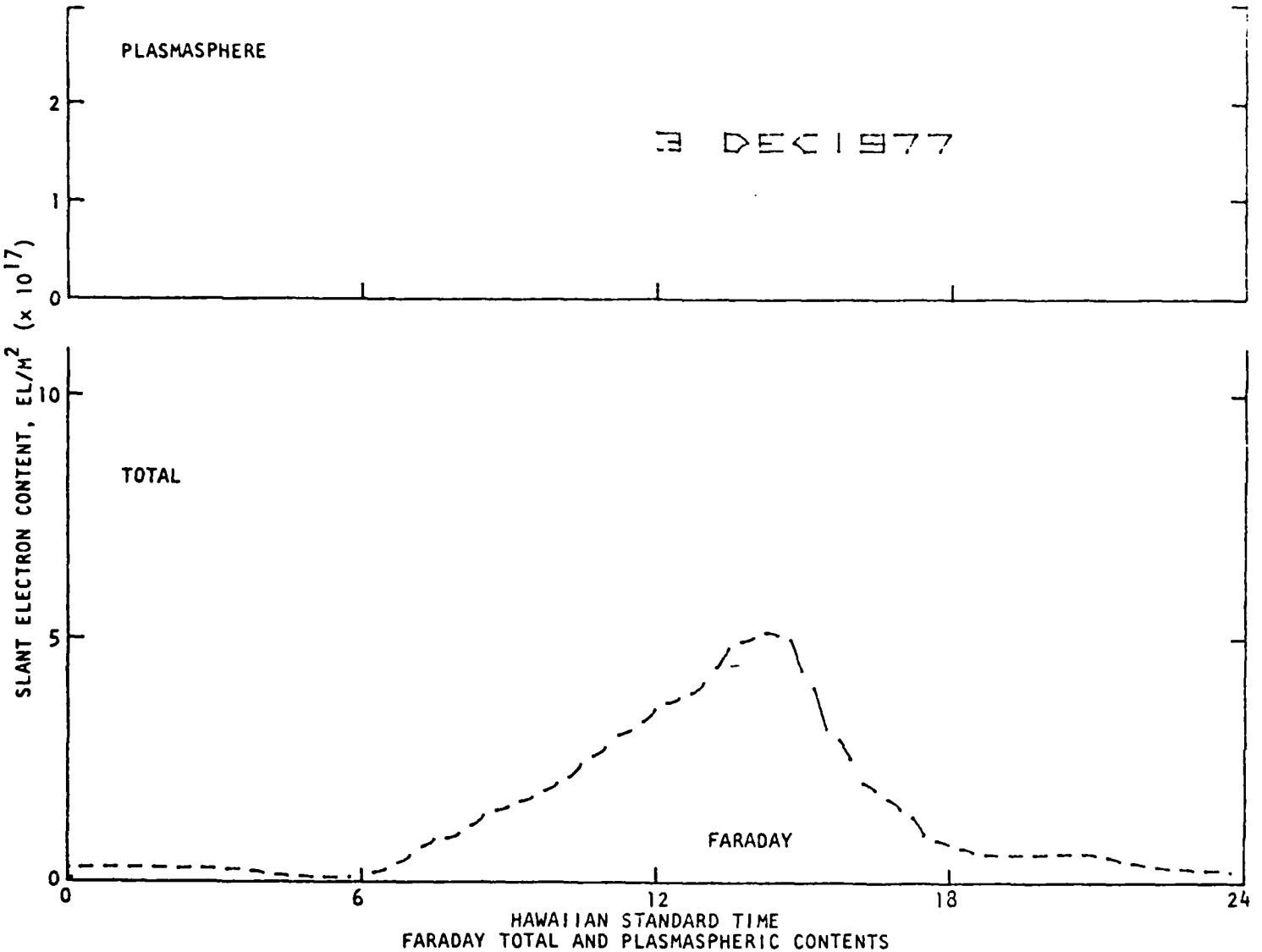
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



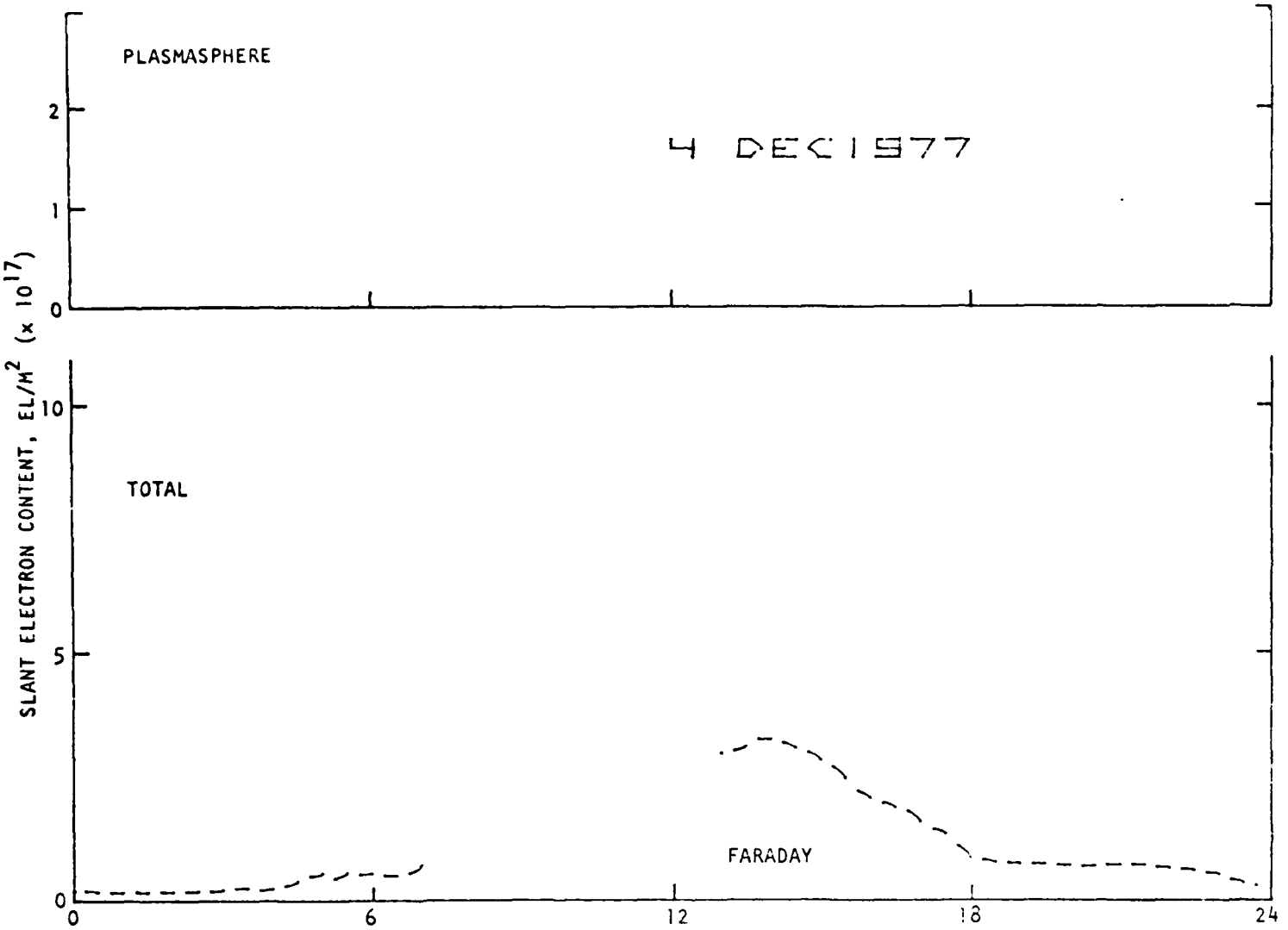
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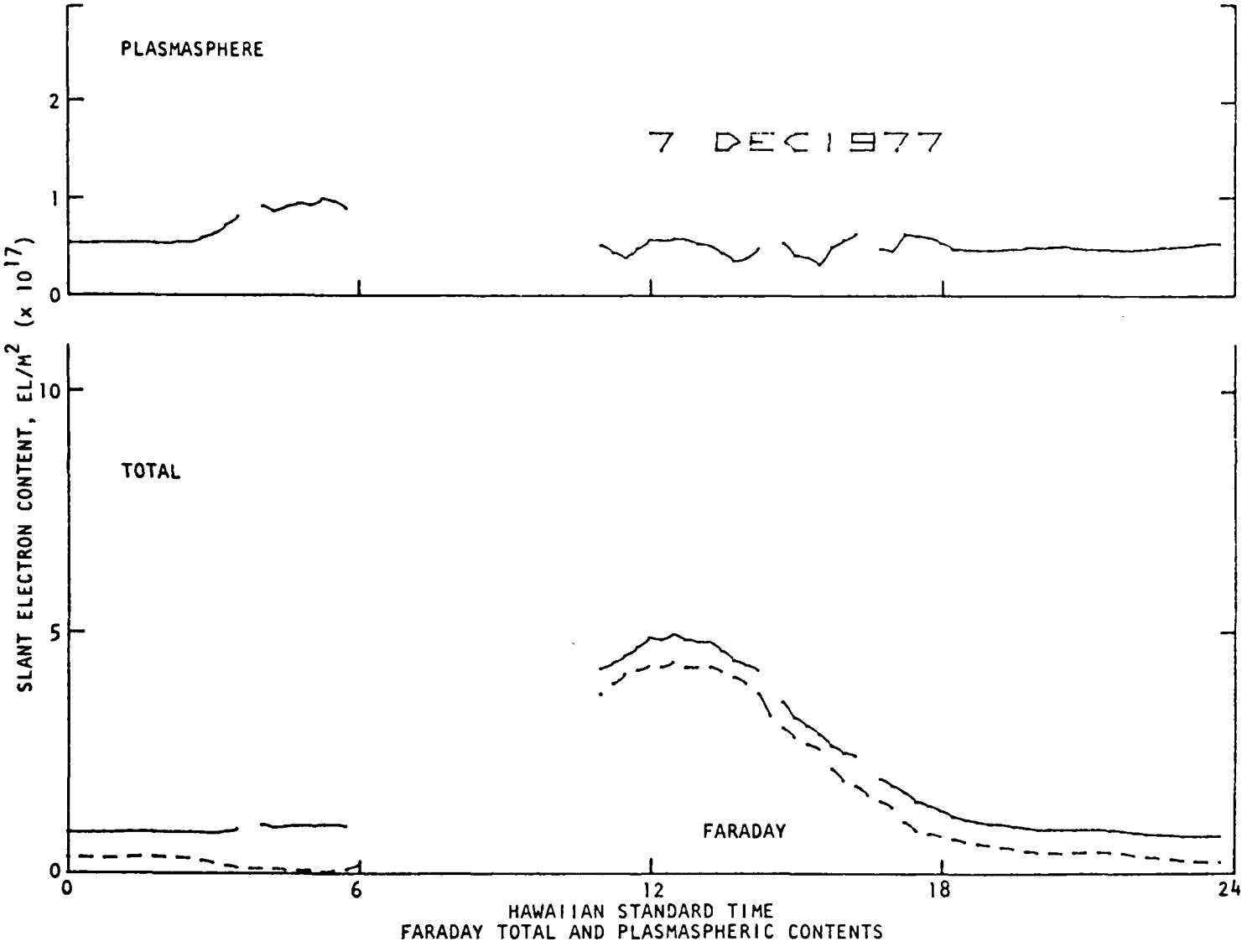
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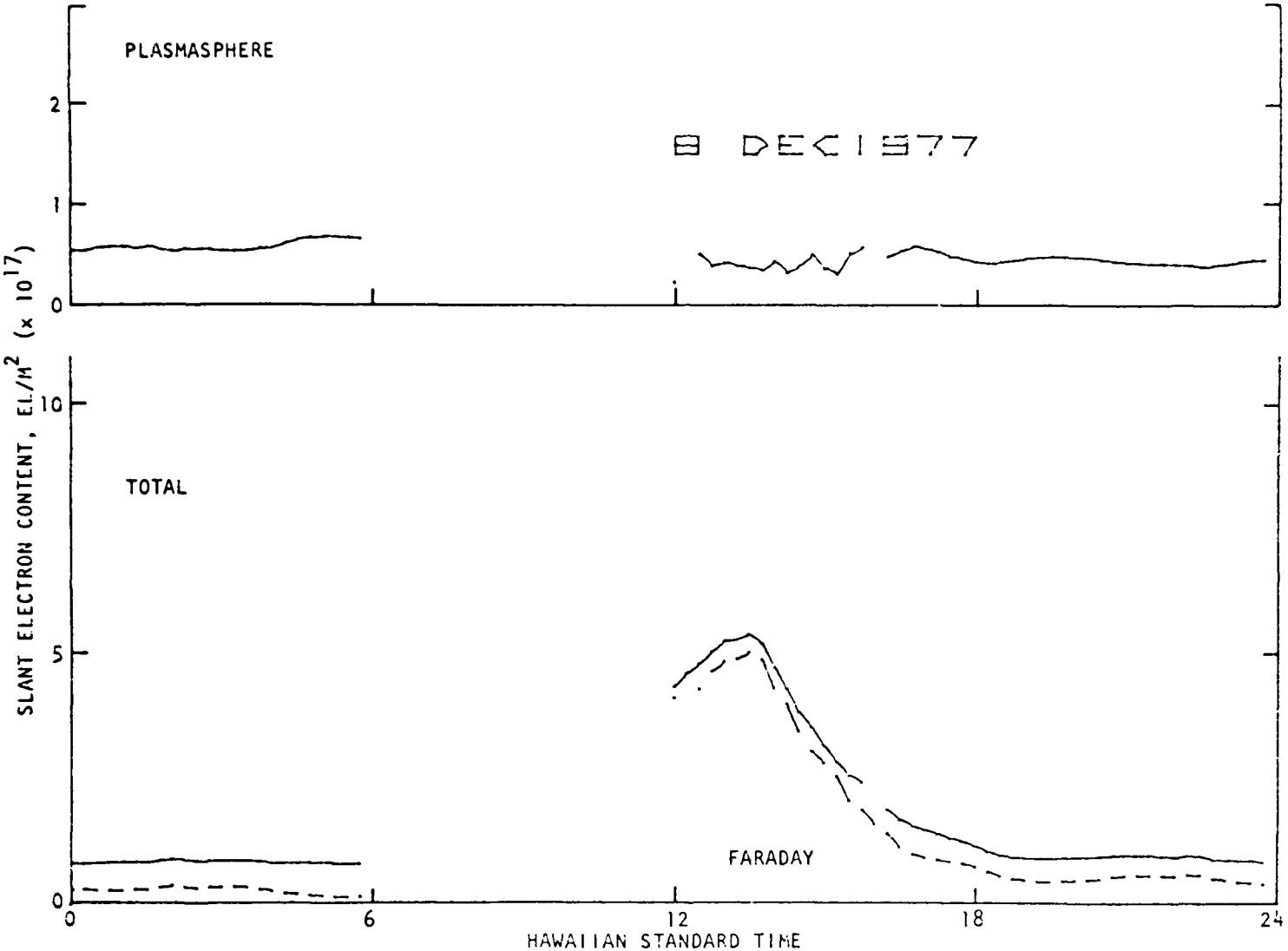
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



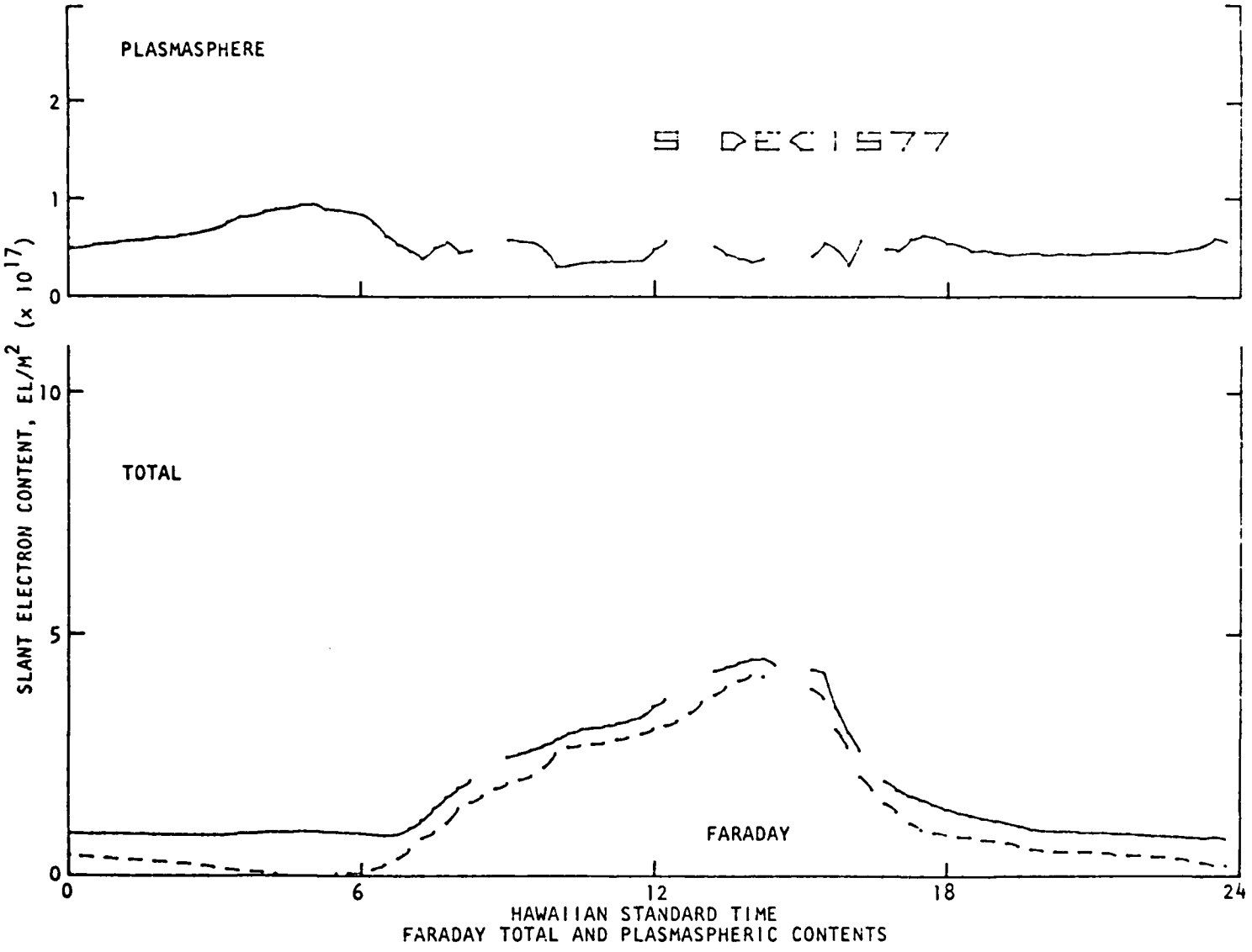
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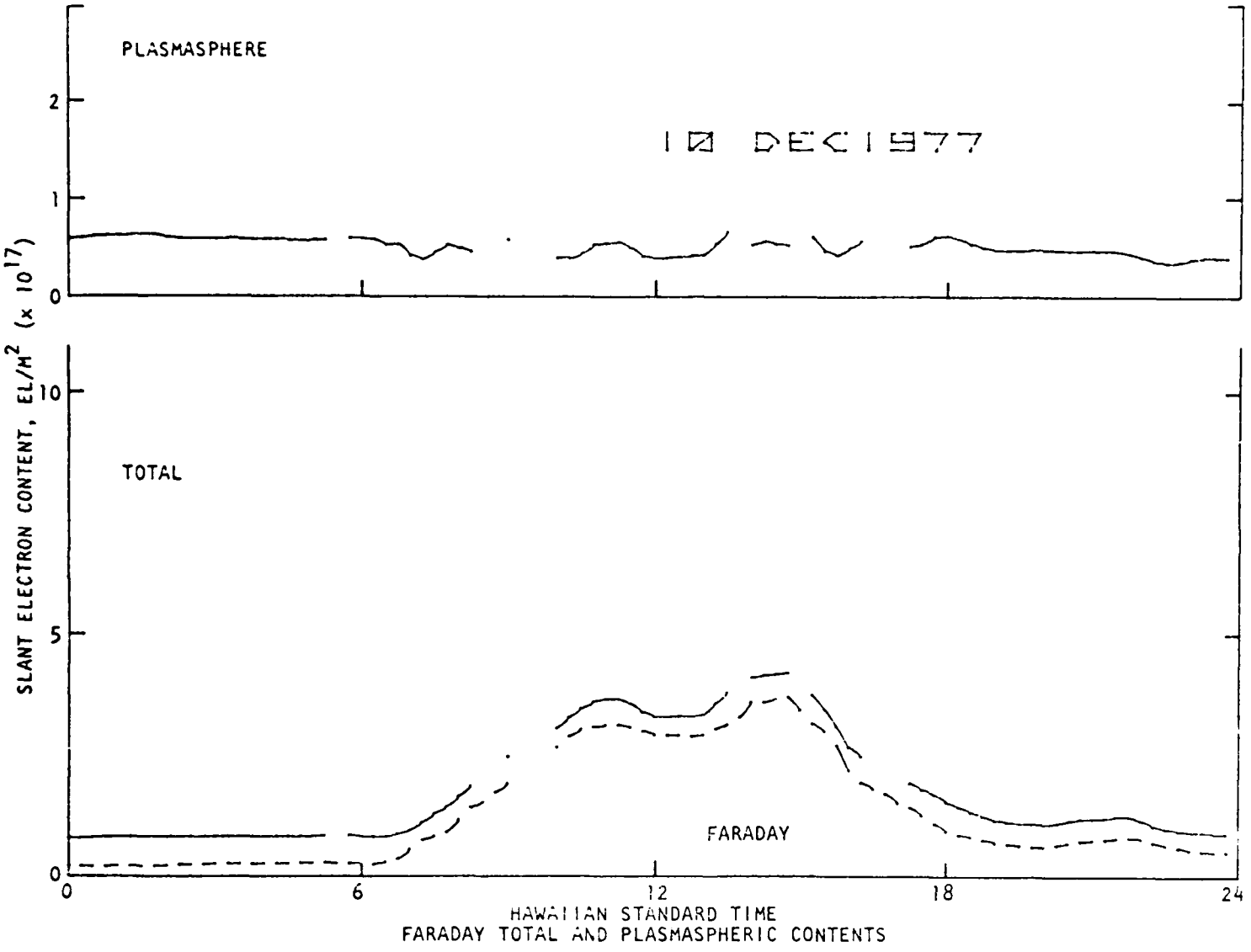
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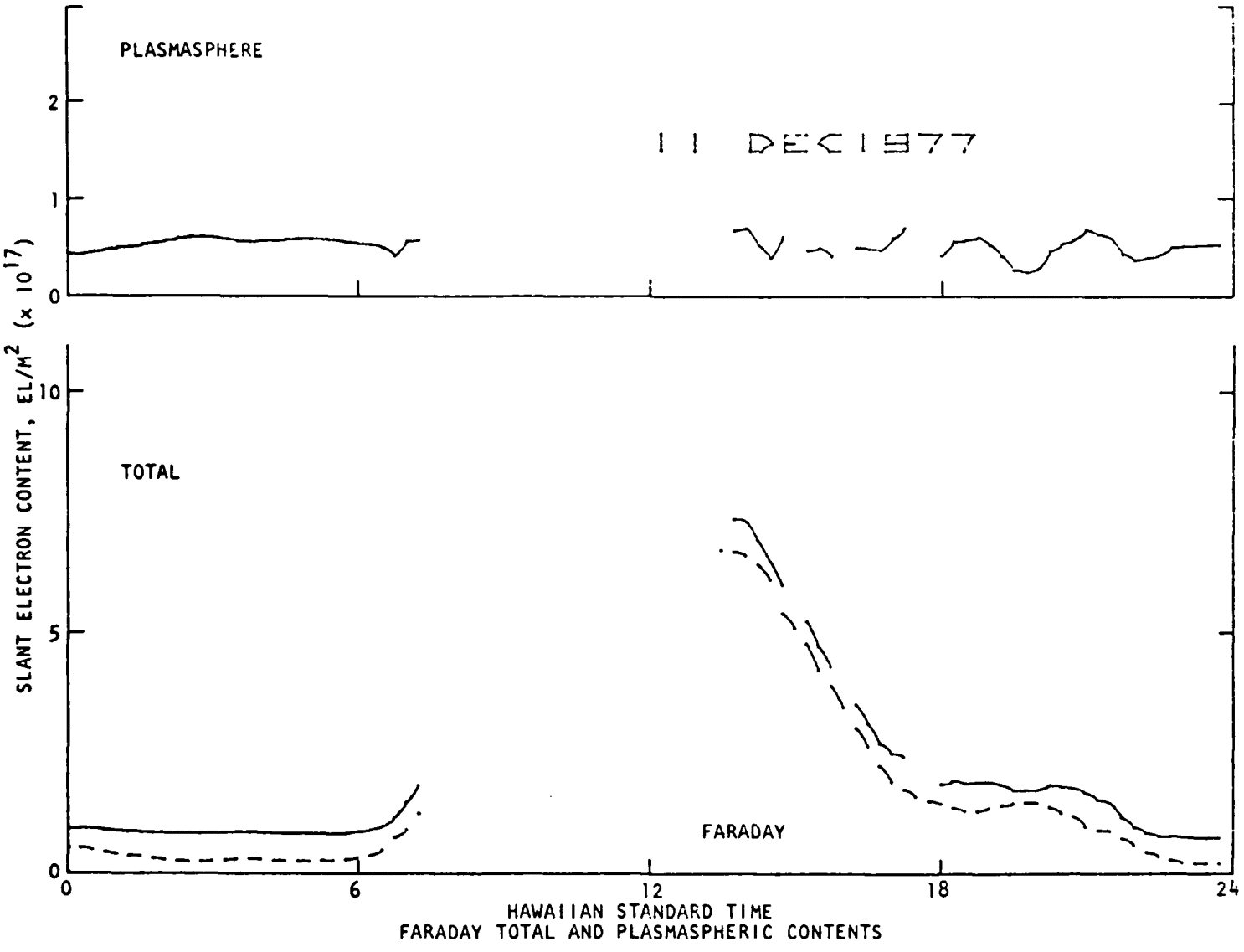
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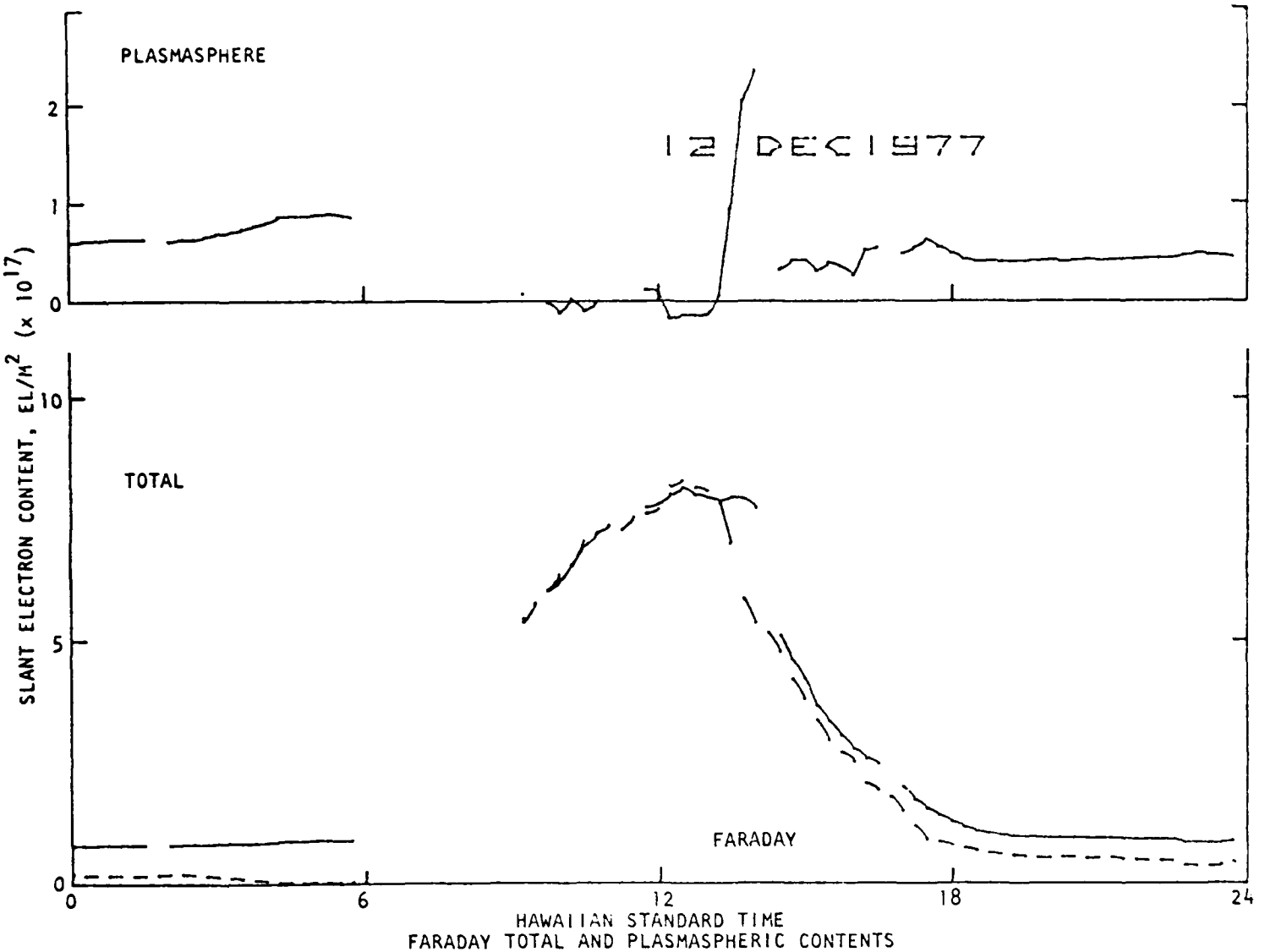
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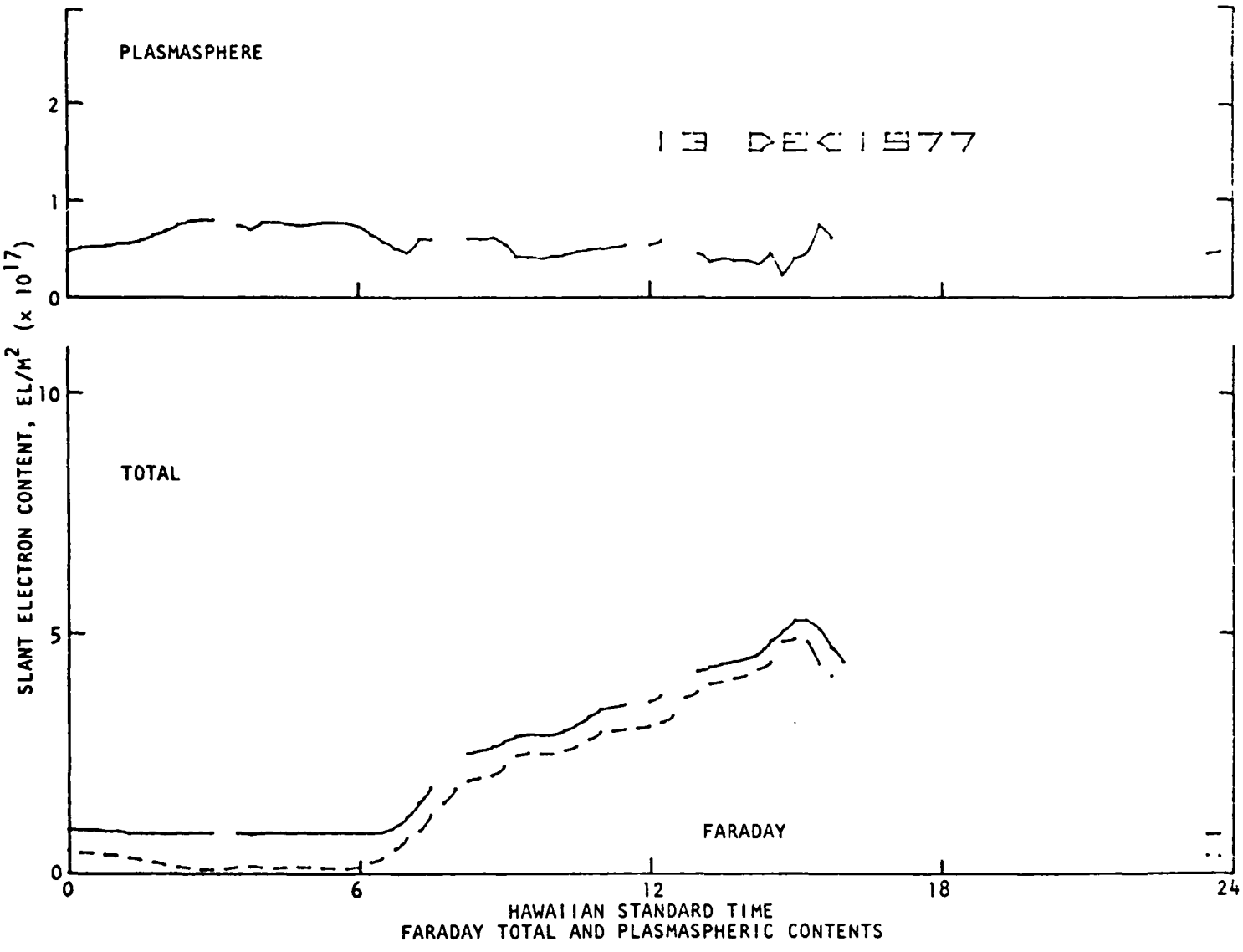
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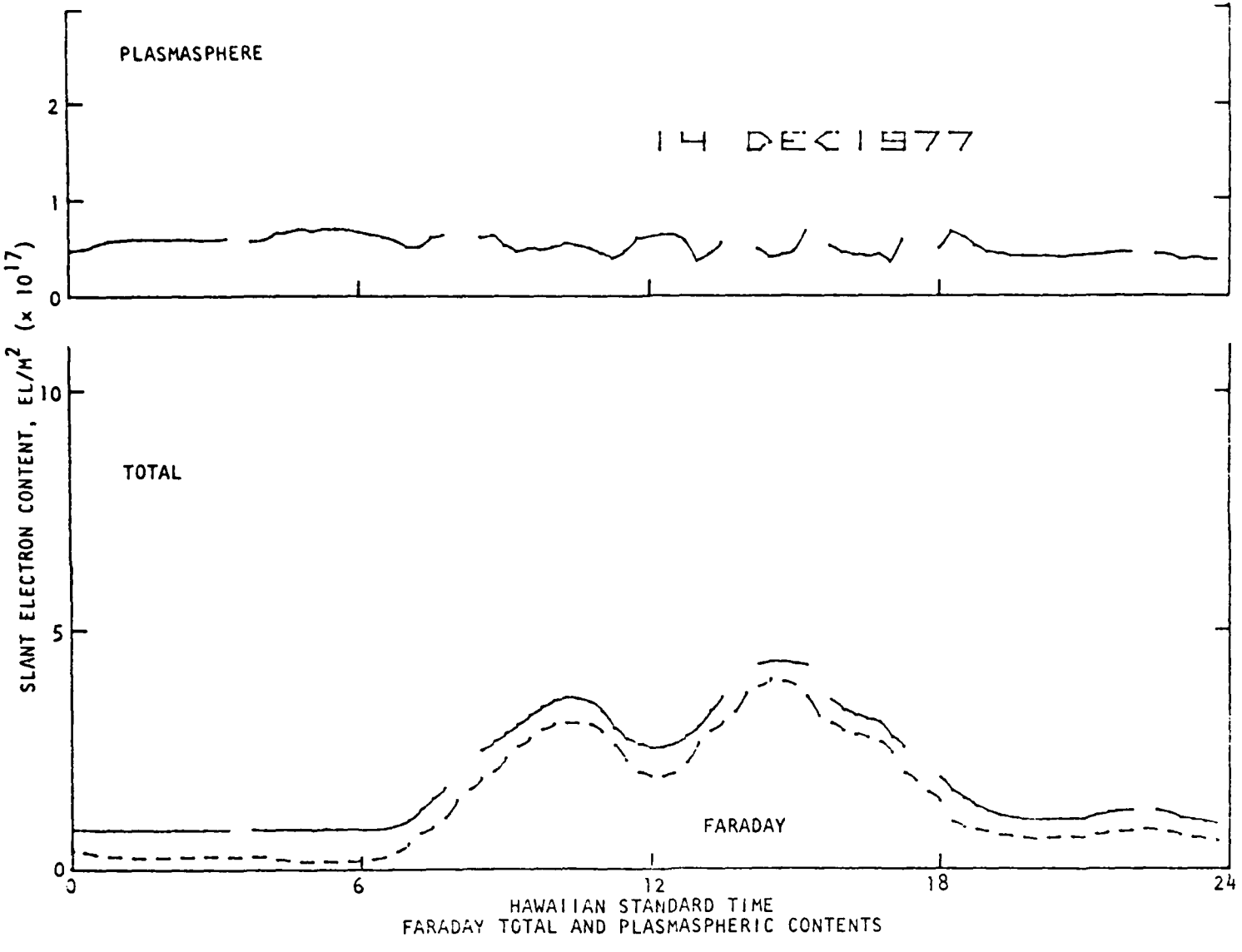
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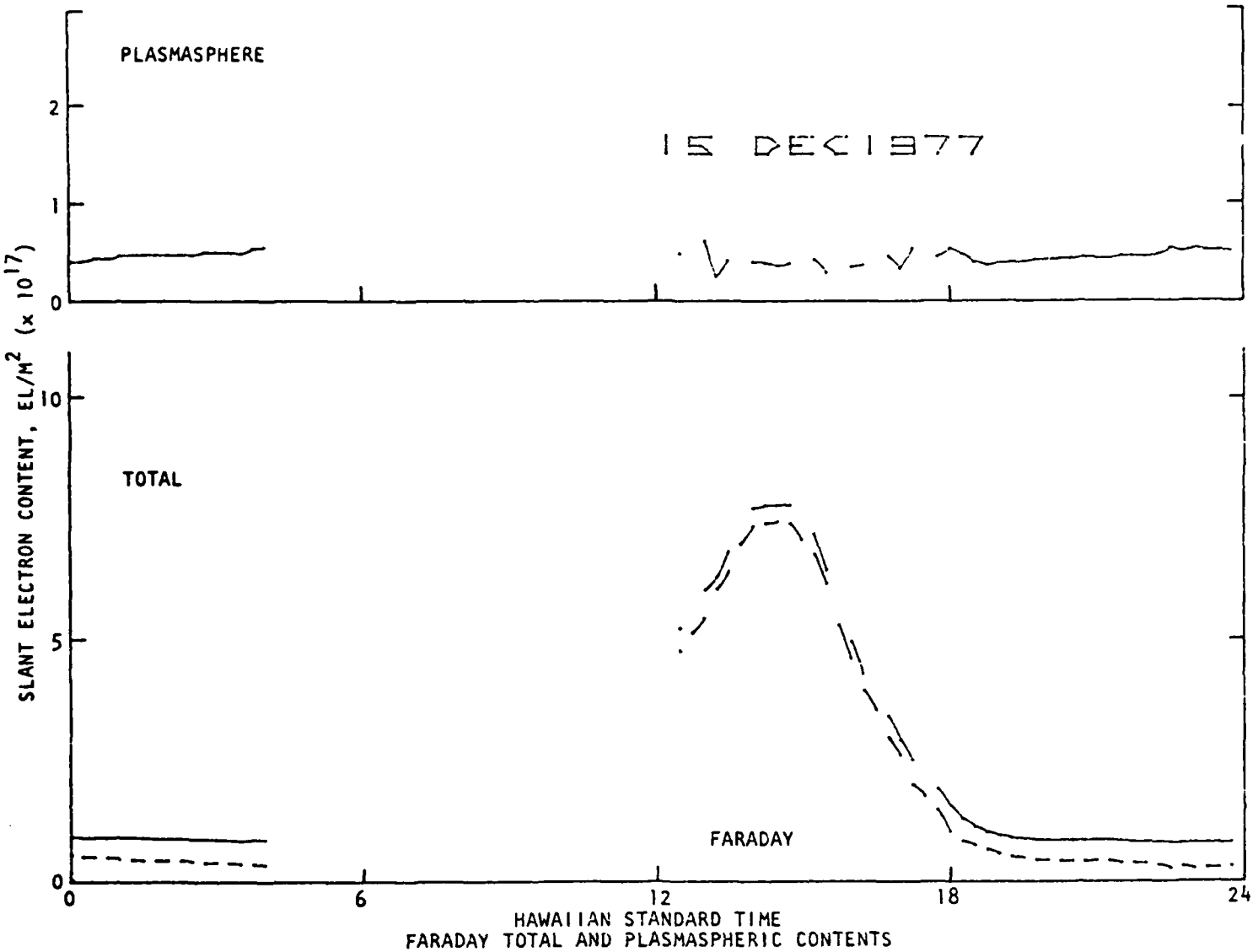
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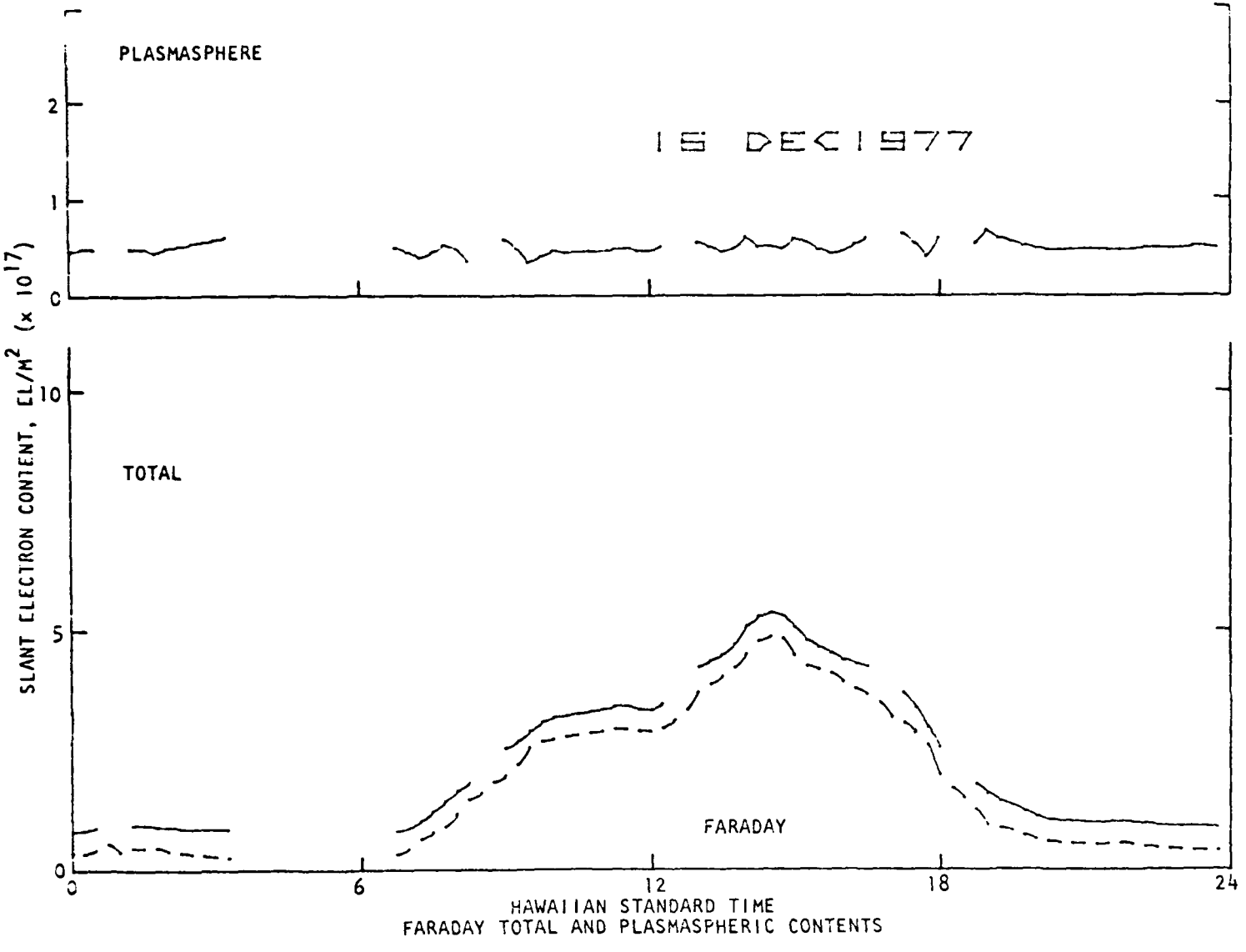
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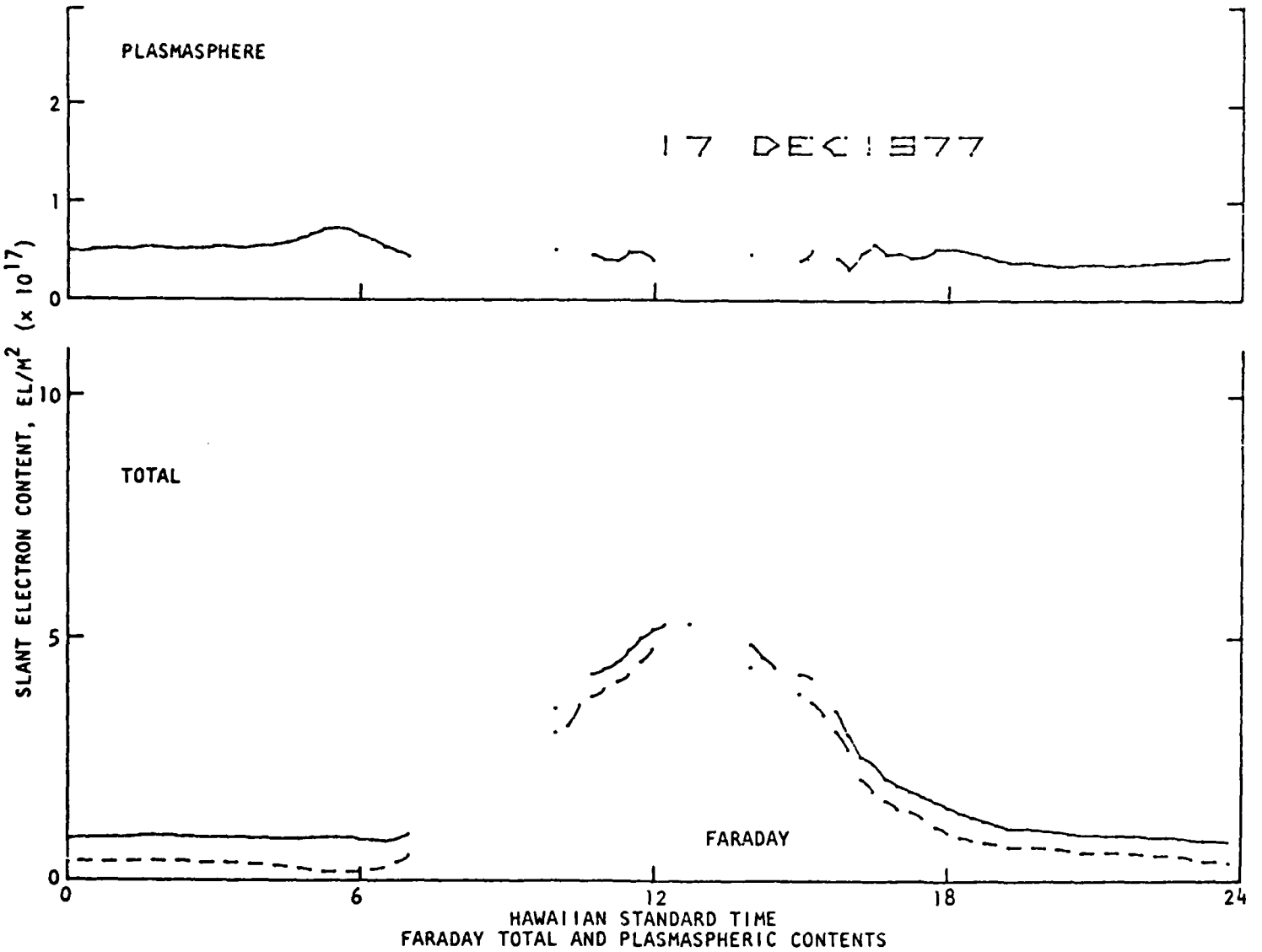
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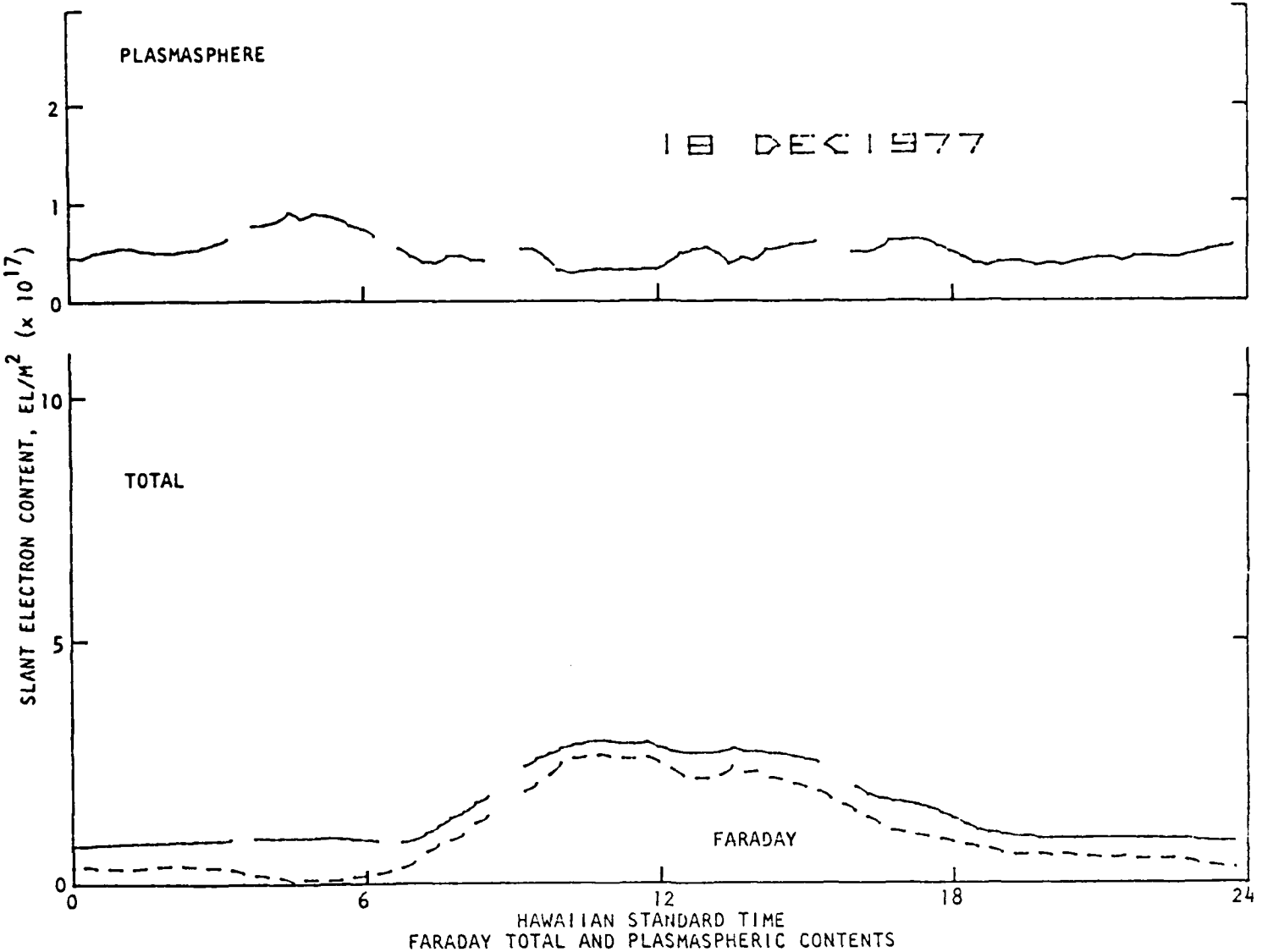
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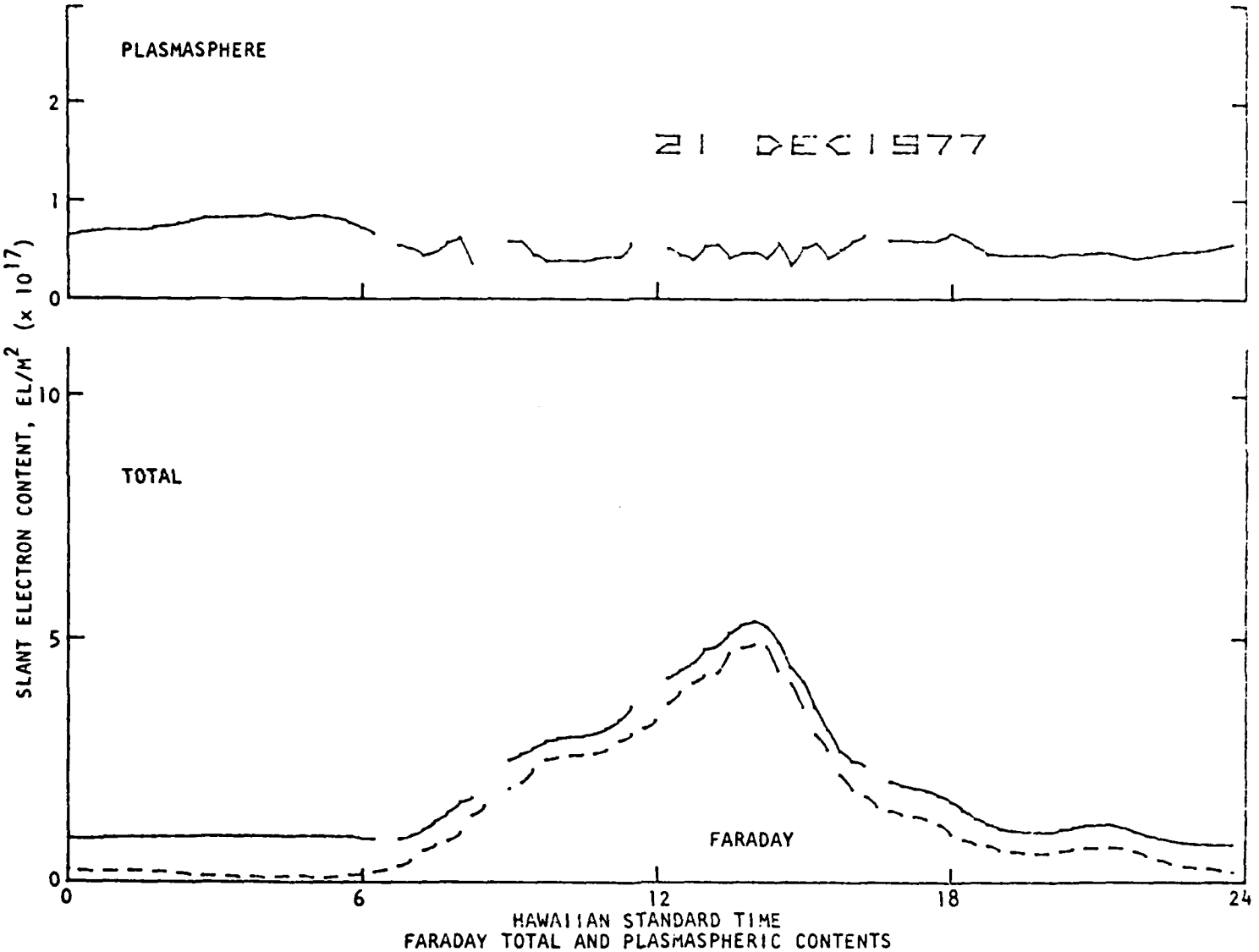
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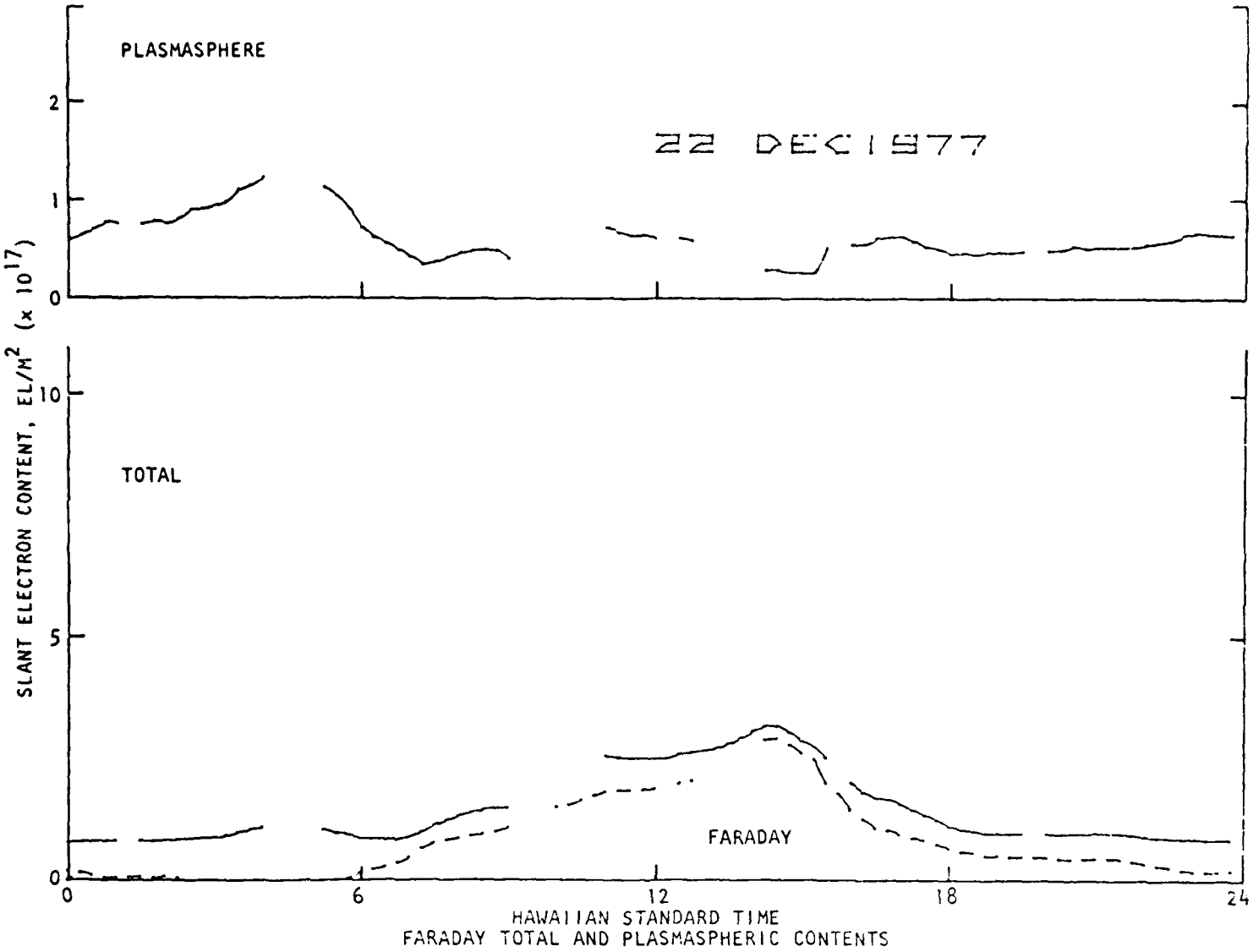
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



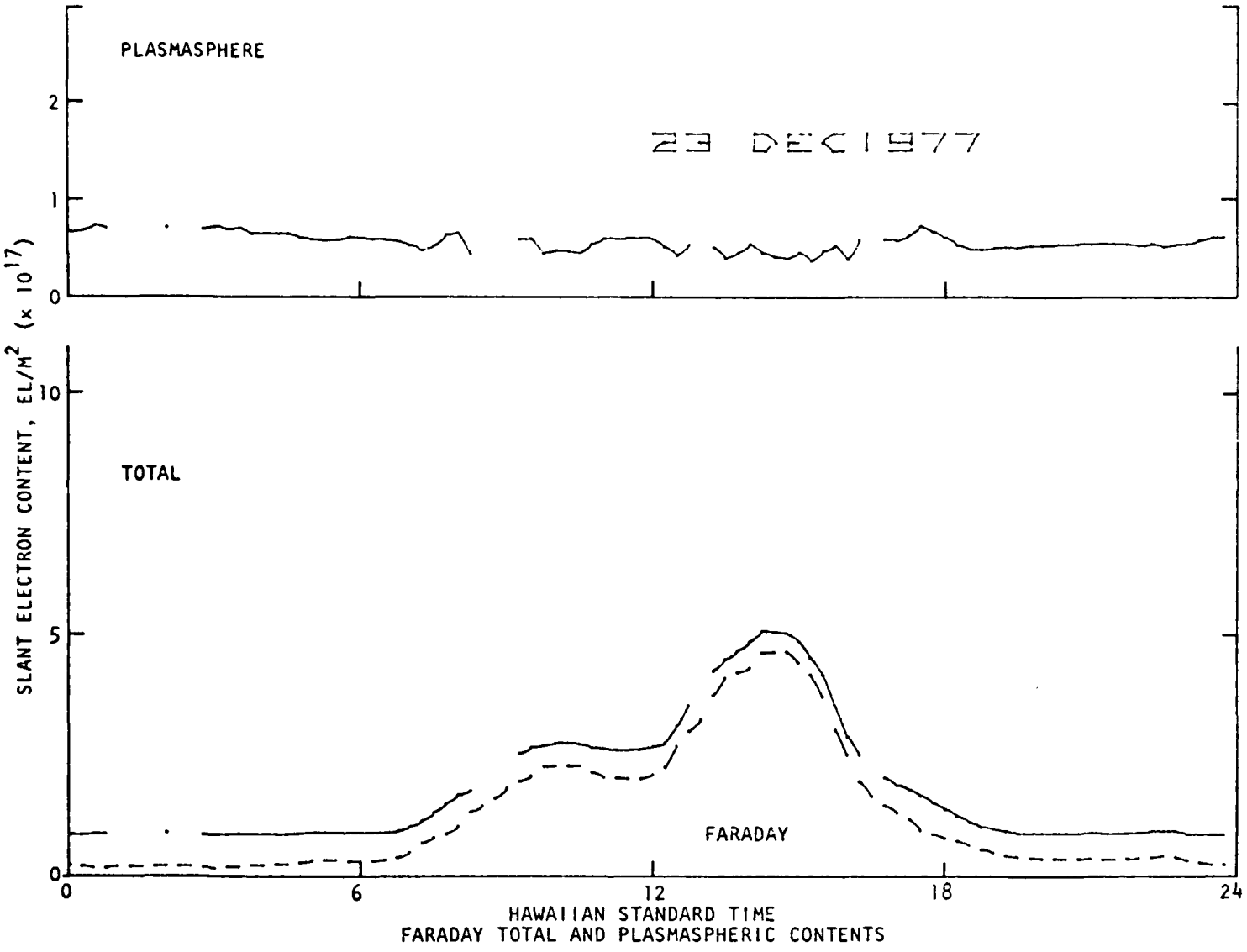
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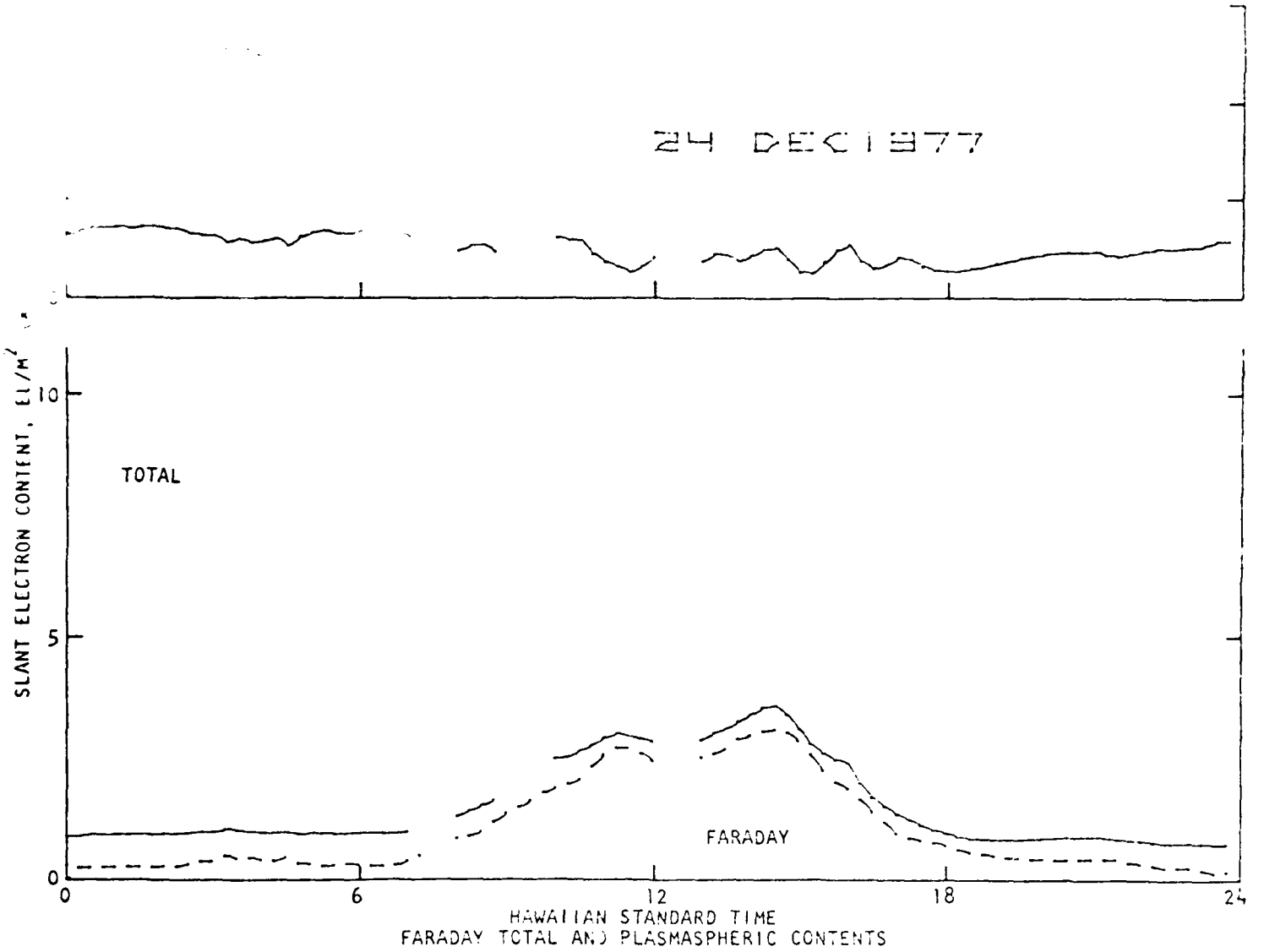
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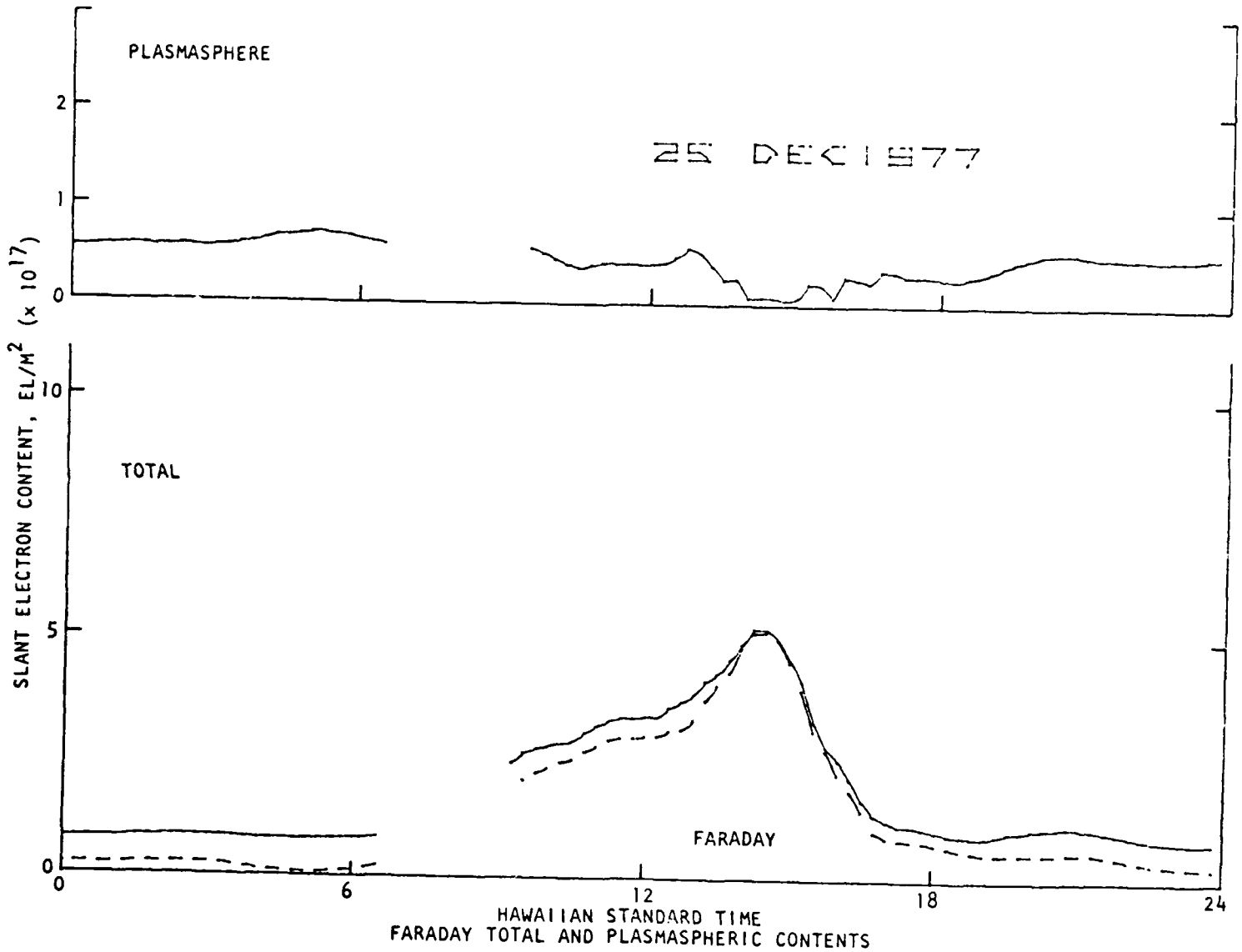
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



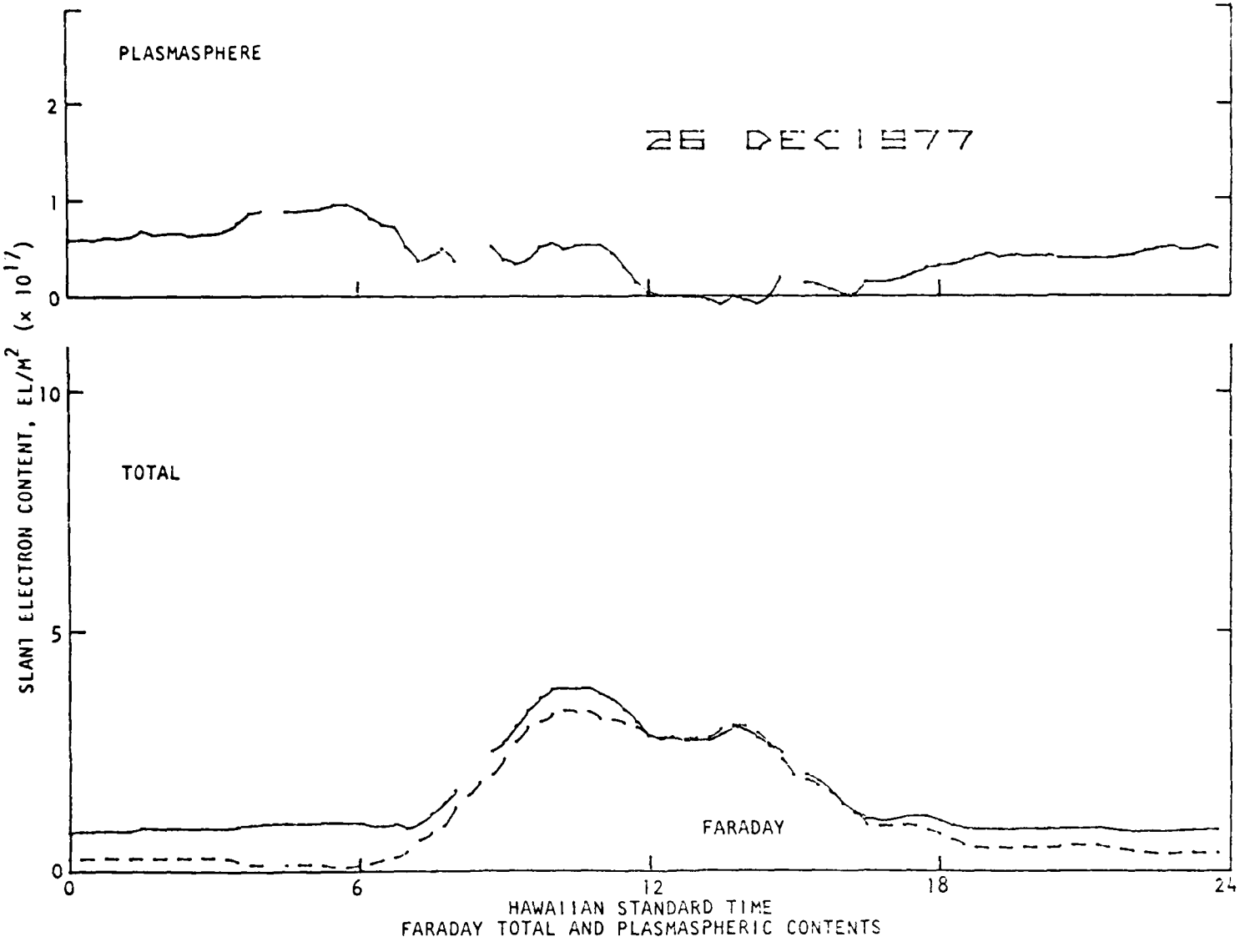
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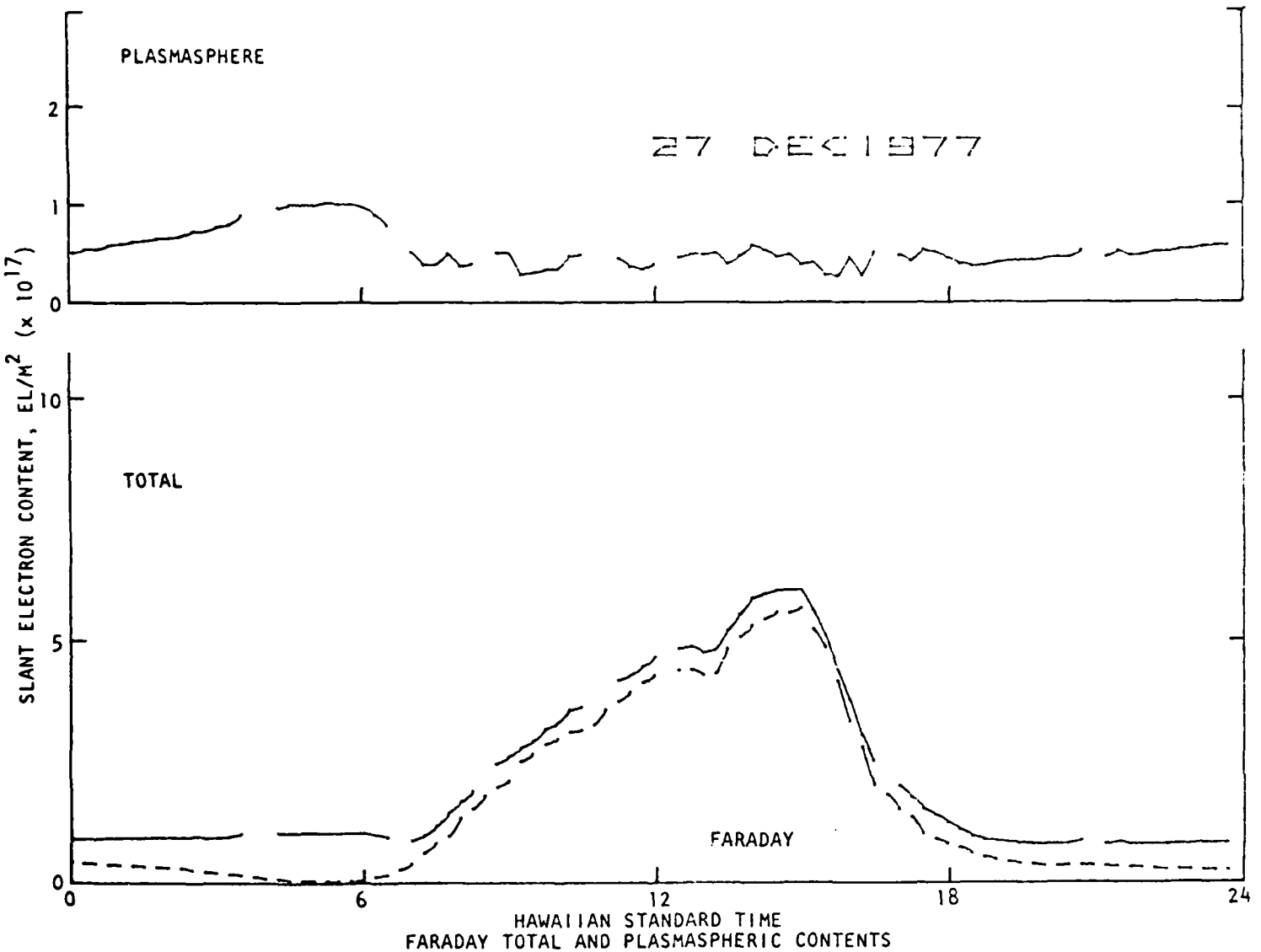
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



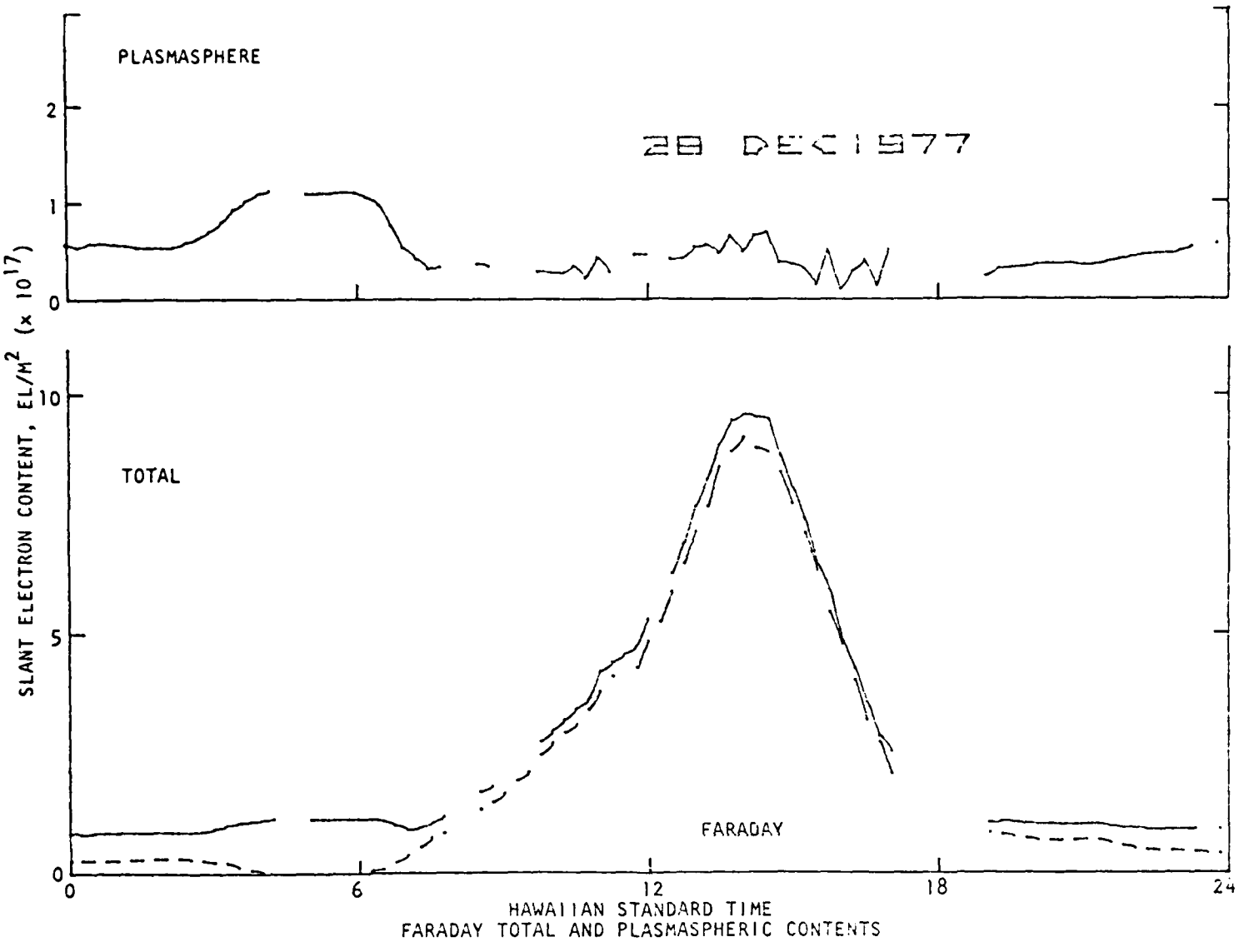
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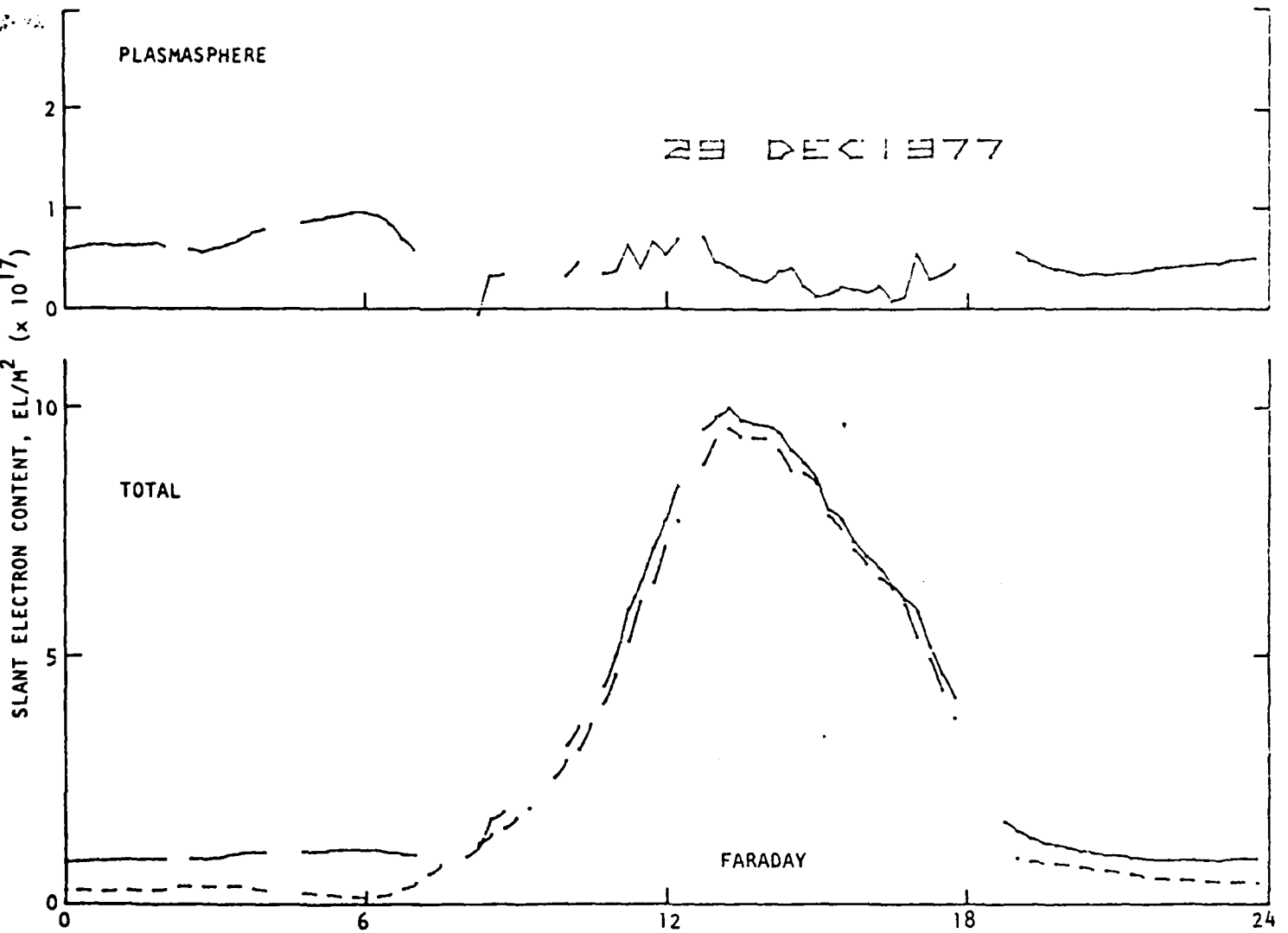
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



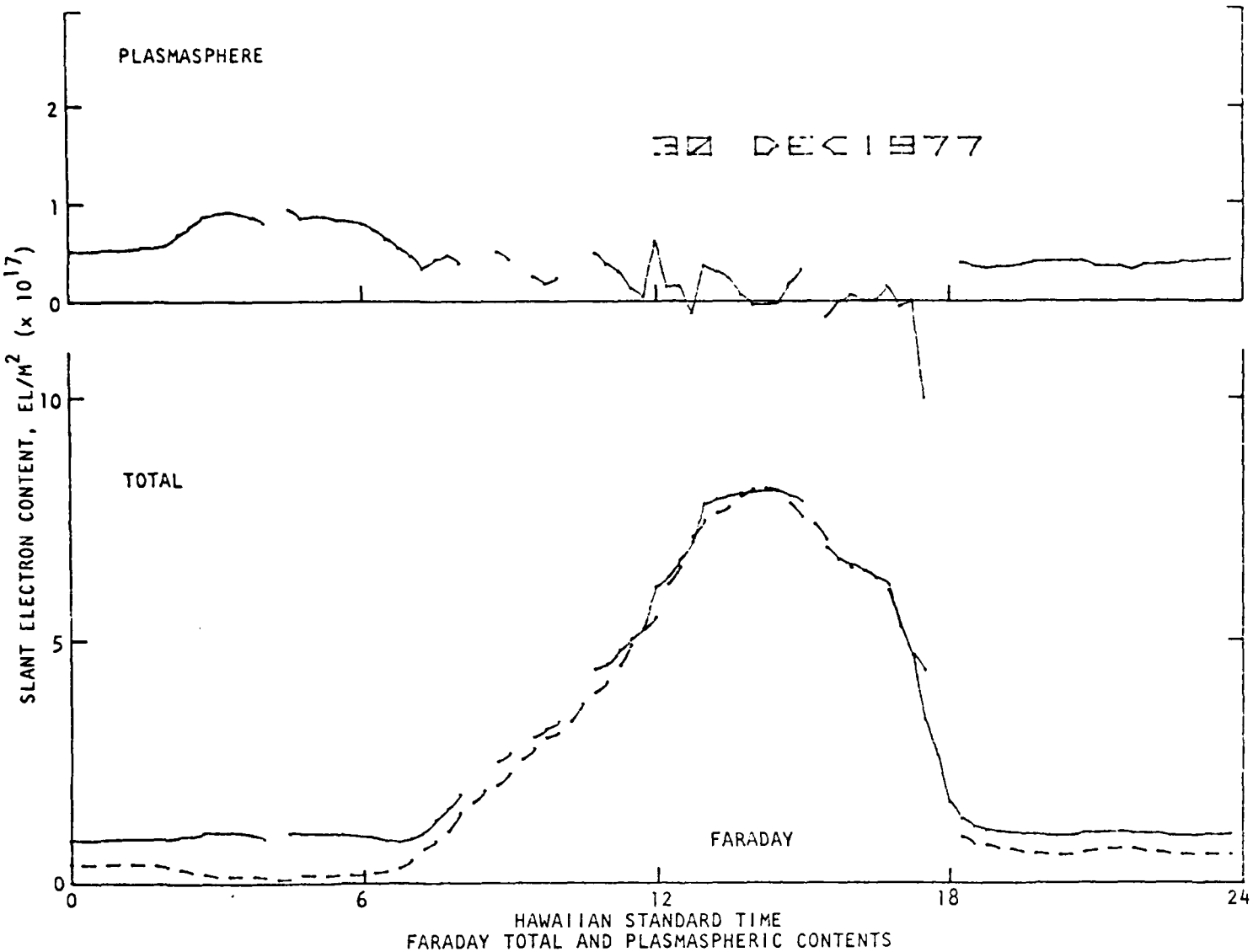
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



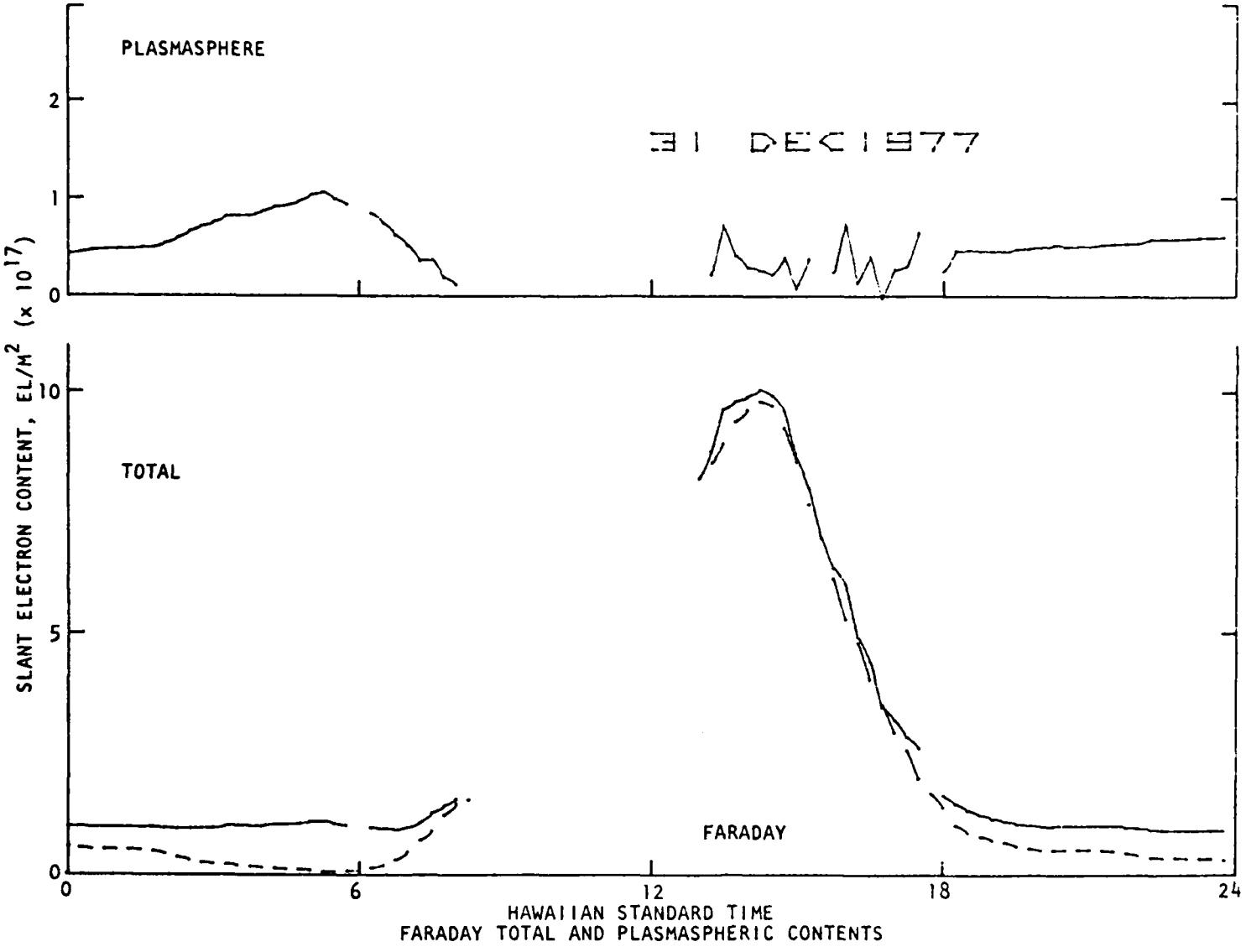
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



FARADAY TOTAL AND PLASMASPHERIC CONTENTS



FARADAY TOTAL AND PLASMASPHERIC CONTENTS



FARADAY TOTAL AND PLASMASPHERIC CONTENTS

ATS-6:PALEHUA ELECTRON CONTENT 20 SEP 1977
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	SAT KM.
0	91	90	89	90	44	47	47	47	47	43	42	43	566
1	89	87	84	84	46	44	44	43	44	43	40	41	662
2	84	82	82	84	43	43	43	43	41	40	39	40	658
3	84	84	83	78	46	50	49	44	39	35	34	34	471
4	75	73	72	71	39	36	34	30	36	37	38	41	589
5	70	70	70	73	29	26	29	33	42	44	40	40	1754
6	76	86	101	122	37	50	68	80	38	36	33	42	777
7	143	157	166	175	89	96	110	136	54	61	56	40	410
8					146	153	160	174					317*
9	245	261	278	314	187	199	234	263	57	62	44	51	607
10	339			415	283	302	313	359	57			56	417
11	429	446	460	483	378	400	412	422	51	46	48	61	339
12	493	493	489	483	426	427	425	423	66	66	64	60	306
13	478	463	455	445		417	411	405		47	43	40	302
14	445	442	434	428	406	403	395	387	39	39	39	42	286
15	422	420	420		378	372	363		44	48	57		262
16													
17	321	307	286	266		271	256	219		35	30	47	226
18	254		247	245	201		193	187	53		54	58	291
19					182	176	172	171					248*
20		186	173	154	167	155	144	105		31	30	48	259*
21	137	126	117	110	90	86	83	80	47	40	34	30	278
22	106	104	103		79	80	80		27	24	23		282
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 21 SEP 1977

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	SST KM.
0		70	70	70		51	48	46		19	22	25	
1	72	73	73	73	47	48	46	46	25	25	27	27	424
2	73	73	73	73	47	45	45	47	26	28	28	26	512
3	76	78	82	87	50	53	59	67	26	26	23	19	470
4	89	90	90	87	71	73	73	70	19	17	17	16	277
5	83	82	82	83	66	65	65	65	17	17	18	18	379
6	86	91	97	106	69	74	77		17	17	20		342
7	115	128	141	151	86	92	103	120	29	36	38	31	458
8	162	170	172	175	133	140	146	150	29	30	26	26	545
9	178	183	179	175	152	154	156	158	26	29	23	17	510
10	178				160	161	163	167	17				491
11					173	180	186	191					376*
12	247	256	270	288	197	212	251	268	50	44	19	20	345
13		315	319	334	277	291	294	304		24	25	30	248*
14	341	342	348	354	303	305	309	313	38	37	39	41	355
15					326	349	365	370					263*
16				310	372	361	318	298				13	206-
17	267	248		174	262	200	178	153	5	48		21	188
18	166	157	146	137	141	133	116	96	25	25	31	41	298
19	122	110	101	97	86		78	75	36		23	21	351
20	92	87	80	76	73	68	59	54	19	18	21	22	382
21	73	72	71	71	47	43	42	39	25	28	29	32	452
22	70	70	71	70	38	36	35	35	32	34	36	35	487
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 22 SEP 1977
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	SST P.M.
0		68	70	70		26	32	21		41	38	4[illegible]	
1	70	71	73	70	20	19	20	23	49	52	53	47	1162
2	70	72	77	79	23	21	17	13	46	51	60	66	717
3	87	87	87	86	15	9	8	7	72	77	78	79	1933
4	79	77	77	78	7	7	6	7	72	70	71	71	1770
5	77	76	75	75	9	11	12	13	68	64	63	62	1553
6	70	68	74	84	19	27	38	60	51	41	36	24	669
7	101	122	141	161	77	88	101	125	24	34	41	36	301
8	180			241	142	161	180	192	37			49	343
9	251	258	272	286	199	208	239	273	51	50	33	13	478
10	315	333			275	296	311	324	40	42			[illegible]
11	420	422	424	422	365	368	370	370	55	54	54	52	360
12	422	422	425	425	370	374	384	384	52	47	41	42	333
13	425	427	425	425	385	392	393	392	40	35	32	33	305
14	423				380	368	355	319	43				267
15	501				309				192				334
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 23 SEP 1977

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	SST KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12		479	480	483		447	469	479		31	14	4	
13	491	508			484	495			7	12			284
14													
15													
16	476	449	420		485	456	411	378	-9	-7	9		301
17	367	329	287	259	325	303	275	249	42	26	12	10	220
18	245	235		202	210	196	188	180	36	39		21	239
19	193	185	181	167	164	151	138	117	29	34	42	50	292
20	156	148	138	130	98	91	87	85	58	57	50	46	297
21	124	117	114	113		78	77	77		39	37	36	330
22	108	108			76	74			33	33			323
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-91 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 24 SEP 197.
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	IPT KM.
0	70	67	64		70	63	54	46	0	4	10		173
1					40	37	35	32					226*
2	38	38	37	33	31	31	30	29	7	7	7	4	395
3	35	33	19	15	29	29	30	27	6	4	-11	-12	311
4	19	26	19	25	25	23	21	21	-6	3	-2	3	285
5	25	22	24	25	18	22	22	23	7	0	2	2	449
6				68	26	35	47	67				1	264*
7	82	97	120	143	83	95	126	147	-1	2	-6	-4	245
8	165	185			162	182		203	3	3			336
9	245	259	277		239	261	284		5	-2	-8		316
10	308				309	323	355	370	-1				264
11	423	416	412	415	378	388	396	400	45	28	16	14	282
12	415	416	419	421	403	403	405	410	13	13	14	11	277
13	425	425	426	428	412	413	415	415	13	12	11	13	288
14	428	428	428	430	414	413	412	414	14	15	16	15	286
15	428	425	420		414	411	401	383	14	13	18		244
16	375	333	289	254	364	318	299	265	11	15	-10	-11	210
17	235	204	170	143	221	190	169	148	14	14	0	-5	215
18	127	113	103	103	135	108	97	86	-8	5	7	17	251
19	111	111	106	102		78	76	73		33	31	29	424
20	97	95	93	92	71	70	67	67	27	26	26	25	388
21	95	93	90	85	69	69	65	58	26	24	25	27	379
22	82	80			54	50			28	30			435
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 25 SEP 1977

	TOTAL				FARADAY				PLASMASPHERE				LST
HST	00	15	30	45	00	15	30	45	00	15	30	45	L.M.
0	60	64	66	66	51	53	53	53	9	11	13	13	263
1	66	66	66	67	53	52	50	47	13	14	16	20	263
2	68	67	66	65	43	40	36	35	24	27	30	31	358
3	65	66	64	64	34	35	33	31	32	31	31	33	515
4	64	66	62	62	29	27	24	23	35	39	37	40	707
5	63		43	38	22	23	24	25	41		19	13	885
6	41		64	77	29	37	53	73	13		11	4	347
7	93	116	141	162	86	112	143		7	4	-1		208
8	183				177				5				255
9	245	261	278	297	246	265	288	302	-1	-4	-10	-5	267
10	319	340	353	367	310	320	333	350	9	20	20	17	279
11	380				362	368	373	380	18				306
12	415	425	431	438	398	412	418	423	17	13	13	14	267
13	447	454	458	463	430	438	445	454	17	16	12	9	246
14	469	466	463	461	463	462	459	459	6	5	4	3	238
15	447	435	420		440	423	414	377	7	12	6		210
16	343	283	247		325	290	246	199	18	-8	1		209
17	200	181	166	156	183	164	150	145	17	17	16	11	310
18	148	140	133	124	140	133	122	105	8	7	11	19	302
19	119	113	111	106	97	93	92	91	22	20	19	15	276
20	100	94	87	87	89	86	84		11	7	4		225
21	84	84	83	82		80	79	76		4	4	6	251
22	79	76	76		74	72	70		5	5	6		289
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

AD-A104 362 HAWAII UNIV HONOLULU F/G 4/1
PLASMASPHERIC, FARADAY AND TOTAL ELECTRON CONTENTS, 1977 AND 19--ETC(U)
DEC 80 T H ROELOFS F19628-78-C-0050
UNCLASSIFIED AFGL-TR-81-0143 NL

2 OF 9
AD
A104362

ATS-6:PALEHUA ELECTRON CONTENT 26 SEP 1977
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	SST I.M.
0	66	68	65	66	63	55	48	43	4	13	17	23	305
1					38	35	32	31					283*
2					30	30	29	29					333*
3					32	32	31	32					333*
4					32	31	31	31					306*
5					29	25	23	23					371*
6			64	79	26	35	55	78			9	1	193*
7	99	128	162	198	93	129	152	185	6	-1	11	13	237
8		245	261	279	202	234	259	283		11	3	-4	168*
9	294	308	321	335	297	303	308	311	-4	5	12	24	262
10	350	364	379		317	324	342	359	33	40	37		341
11	409	424	439	468	373	402	420	437	36	22	19	31	317
12	501	533			480	501	517	524	22	33			300
13			525	506	525	517	498	484			28	23	267*
14	495	498	500	500	476	478	480	481	19	21	20	19	287
15	489	474	463	443	474	455	437	423	15	18	26	20	252
16	421				401	361			20				331
17			243	244			197	195			47	49	
18	245						190	182					308
19		181	168	167	170	155	149	151		25	19	16	335*
20	165	168	159	146	154	159	156	148	11	9	4	-2	243
21	124	101	92	82	128	91	83	78	-4	10	8	4	307
22	81	81	83		76	76	76		5	5	7		222
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 27 SEP 1977

	TOTAL				FARADAY				PLASMASPHERE				SST
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	78	77	73	72	73	71	66	62	5	6	7	10	264
1	69	68			57	53	47	43	12	15			301
2					39	35	33	31					335*
3					29	27	27	27					377*
4					26	25	24	24					359*
5					23	24	24	26					273*
6			59	73	30	40	57	76			2	-2	237*
7	88	105	122	133	87	107	136	145	1	-1	-15	-12	158
8	143	159	175	194	151	163	175	187	-9	-4	0	7	216
9			248	263	197	212	255	273			-8	-10	242*
10	280	302	323	345	293	304	312	330	-13	-2	11	15	331
11	358	366			354	362	369	371	4	3			234
12					378	385	388	389					252*
13			359	338	382	371	338	313			21	25	242*
14	326	328	331	343	309	309	311	316	18	19	21	27	348
15	350	356	363	367	321	328	336	345	29	29	27	22	300
16	367	364	356	334	347	342	332	315	20	22	24	20	245
17	310	285	262	248	303	285	260	241	7	0	3	8	211
18	243				210	198	189	174	34				222
19	169	144	124	105	157	139	104	88	12	5	20	17	256
20	92	82	77	73		76	72	68		6	5	5	263
21	72	70	70	68	65	62	59	56	7	9	11	13	314
22	69	70			54	50			15	19			366
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-91 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 28 SEP 1977

	TOTAL				FARADAY				PLASMASPHERE				GST
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	70	71	71	73	54	54	55	55	15	17	16	17	304
1	73	73	73	72	53	54	54	53	20	19	20	19	366
2	71	70	72	71	49	47	50	50	22	24	22	21	359
3					44	39	33	29					182*
4					27	25							493*
5								22					
6			64	80	27	36	53	76			11	4	273*
7	100	125	156	184	94	130	150	171	5	-5	6	14	202
8			234	247	189	198	207	232			26	15	202*
9	256	267	280	296	250	261	275	291	6	5	5	5	266
10	318	347		412	302	312	358	384	16	34		28	324
11	431	451	475	498	412	424	449	478	19	27	26	20	303
12	526				497	517	527		29				285
13					539	546	548	544					265*
14					536	528	524	525					300*
15					530	537	543	549					287*
16					553	547	540	533					237*
17	536	501	453	418	519	493	439	410	17	8	14	8	221
18		354	309	267	377	337	305	279		17	4	12	215
19	246	240			251	211	202	199	-4	29			225
20		186	157	134	191	170	153	132		16	5	2	195*
21	117	103	93	88	98	86	77	72	19	17	16	16	231
22	86	86			68	66			17	20			300
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 29 SEP 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				SST
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	84	83	80	76	63	65	64	62	21	18	16	14	281
1	74	70			60	57	49	40	14	13			151
2		32	35		34	28	23	21		4	11		164*
3	48	55	59	60	20	19	22	21	28	36	37	38	965
4	61	62	62	62	21	20	20	21	40	42	43	42	1230
5	64	64	64	64	22	21	22	23	42	43	42	41	1065
6	66	70	75	79	28	37	51	69	38	32	24	10	592
7	85	94	104	115		91	102	123		3	2	-8	173
8	130	151	172	186	139	150	160	173	-9	2	12	13	197
9			237	251	185	195	209	251			27	1	240*
10	271	304	344	378	275	304	321	366	-4	1	23	12	223
11	401	420	441	474	391	415	427	477	10	5	13	-3	263
12	535	594	660	673	533	571	638	706	2	22	23	-33	300
13	777	810	852	883	750	770	821	841	27	40	31	42	290
14	901		934	939	858	871	879	886	43		54	53	287
15	939			899	888	884	877	866	51			33	265
16	883	857	818	777	856	834	808	764	26	23	10	13	265
17	759	726	678	618	742	706	659	630	17	20	20	-11	233
18	581	522	459	407	583	522	472	406	-2	0	-13	2	205
19	350	287	250	235	328	289	248	198	22	-2	2	37	190
20	228	204	185	174	185	164	148	137	43	40	37	37	327
21	163	154	146	142	120	100	94	92	44	54	52	49	378
22	130	121			89	87			42	34			335
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 30 SEP 1977

	TOTAL				FARADAY				PLASMASPHERE				SST
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	76	78	78	76	80	80	80	78	-4	-2	-2	-3	204
1	75	72	70	68	77	76	72	67	-2	-3	-1	1	168
2	65	64	63	64	62	58	55	54	4	6	8	10	219
3	63	62	62		53	50	49	44	10	12	13		230
4													
5													
6			67	77	33	43	59	73			7	4	262*
7	83	90	95	106		86	90	97		3	5	9	181
8	121	136	149	167	114	132	141	153	7	4	8	14	223
9	195		239	256	181	198	214	248	14		25	8	272
10	274	305	344		266	298	316	360	8	6	28		292
11	411	431	458		382	410	426		29	20	32		325
12				617				591				26	
13	638	649	661	671	612	631	643	647	25	18	19	24	295
14	685	680	676	672	654	652	651	649	31	28	25	23	286
15	664	664	658	659		641	637	640		23	21	20	277
16	661	659	652	640			642	635			10	5	254
17				515			533	506				9	
18	462	413	370	312	466	412	365	303	-4	1	5	9	208
19	265	240		184	272	228	191	170	-7	12		15	213
20	160	139	119	107	151	134	94	85	9	6	25	23	271
21	103	103	105	111				84				27	346
22	116	121			86	87			30	33			299
23				114				80				33	

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 1 OCT 1977
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	113	111	113	111	79	78	78	79	34	33	35	33	290
1	116	113	119	113		83	83	80		36	36	33	277
2	109	107	106	100	78	77	76	74	31	31	30	26	242
3	96	93	87	82	71	68	61	51	26	25	26	31	230
4					45	41	36	34					225*
5					33	33	37	38					249*
6		80	88	99	41	54	72	83		26	17	17	230*
7	111	122	128	133	91	104	120	131	20	18	8	1	179
8	141	155	170	187	141	147	154	166	1	8	15	20	215
9					178	186	191	197					228*
10	243	251	262	273	206	239	256	265	37	12	6	8	304
11	284	301	323	348	274	288	300	311	10	13	23	37	299
12	362	371			318	329	353	363	43	43			290
13		413	421	431	374	387	399	412		26	22	19	270*
14	439	449	462	473	420	425	434	448	19	24	28	25	258
15	480	482	480	470	463	468	468	459	18	14	12	12	233
16	454	439	426	416	434	423	411	382	20	16	16	34	214
17		333	289	255	330	303	276	244		30	13	11	184*
18	240		185	156	198	185	167	147	41		18	9	200
19	132	111	97	88	123	93	84	78	9	18	12	10	206
20	84	82	82	81	72	66	60	53	12	17	22	28	275
21	80	79	79	79	48	44	42	41	33	35	37	38	448
22	76	75			39	39			37	36			539
23				56				45				11	

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 2 OCT 1977

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	61	65	65	66	46	47	48	49	16	18	17	17	307
1	67	66	65	65	48	47	44	43	19	19	21	22	301
2	65	65			42	41	39	38	23	24			326
3					36	36	34	32					227*
4					30	29	28	26					212*
5					24	23	23	23					306*
6			67	80	27	36	54	74			13	6	202*
7	93	112	135	156	86	102	136	151	7	10	-2	5	176
8	172	191			163	179	190	198	8	11			239
9		244	251	260	204	216	237	256		29	14	4	331*
10	266	278	292	308	263	271	286	299	4	7	6	8	267
11	325	341	356	367	308	314	323	337	17	27	33	30	266
12	371				343	352	359	366	28				263
13					366	366	366	371					245*
14					376	376	374	369					229*
15			354	328	361	341	316	303			38	24	201*
16	298	270	256	244	284	257	229	199	14	13	27	45	196
17				173	188	174	157	146				27	188*
18	157	139	124	107	134	100	88	80	23	39	36	27	289
19	91	83	79	77	73	66	61	59	18	16	19	18	312
20	75	74	72	71	56	52	49	46	20	22	24	25	377
21	70	70	69	69	42	40	39	36	29	30	31	34	498
22	69	71			36	37			34	34			435
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 3 OCT 1977

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					38	37	36	36					209*
1					36	35	34	35					227*
2					37	38	39	38					195*
3					36	33	29	26					199*
4					23	22	23	23					316*
5					22	22	23	25					275*
6			66	82	29	38	57	77			9	5	231*
7	99	116	138	158	89	109	138	151	10	7	0	8	187
8	173	191			163	178	186	193	10	14			217
9		246	259	273	199	214	246	261		32	13	12	249*
10	292	314	332	347	282	300	308	314	10	14	24	33	239
11	355	366			318	327	339	359	37	40			257
12			421	426	369	377	388	398			33	28	251*
13	427	428	425	424	401	401	393	393	26	27	32	32	255
14	422	422	424		384	382	383	382	38	40	41		257
15					386	386	382	378					226*
16				347	368		329	311				36	209*
17	310	271	248		296	262	207	190	14	9	41		199
18		180	158	139	174	153	138	102		27	21	37	230*
19	123	110	99	91	88	83	78	74	35	28	21	17	305
20	84	78	74	71	70	64	57	48	14	14	17	23	299
21	69	68			43	38	38	35	26	30			519
22					34	33							243*
23								34					

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 4 OCT 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0				70	34	36	37	38				32	228*
1	70	71	70	69	39	41	41	39	31	30	30	30	372
2					38	35	33	31					170*
3					28	24	21	19					212*
4					18	17	18	16					136*
5					14	15	14	16					124*
6			67	80	22	34	51	73			15	7	202*
7	90	94	104	117	80	84	89	99	10	10	15	17	159
8	131	153	179		131	148	168	189	1	5	11		232
9	246	260	272		202	234	259	271	45	26	13		225
10	279	279	277	275	281	282	276	273	-2	-2	1	1	206
11	281	295	313	334	282	295	303	310	0	0	10	24	263
12	349	364	369		317	332	346	358	32	32	23		280
13			418	424	366	375	388	403			30	21	264*
14	430	432	432	431	410	413	411	409	20	18	20	21	253
15	432	432	429	425	409	408	405	396	23	23	24	30	236
16					383	376	363	328					213*
17	330	288	259		304	277	247	199	26	11	12		201
18					187	172	153	138					201*
19	135	114	96	85	102	86	79	73	33	27	17	13	238
20	79	75	72	71	68	62	56	51	11	13	17	20	294
21	69				46	43	41	38	24				435
22					37	36	34						245*
23								38					

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 5 OCT 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					41	41	41	42					204*
1					43	41	42	42					213*
2					40	39	38	35					156*
3					33	32	29	26					175*
4				25	24	24	20	19				7	275*
5				25	17	17	16	17				8	212*
6			65	76	24	34	54	73			11	3	179*
7	89	103	131	133	84	93	110	131	5	10	21	2	148
8	148	163	174	185	142	151	160	170	6	12	14	15	167
9				250	185	194	202	218				32	214*
10	262	277	290	302	248	264	276	291	14	12	14	11	250
11	316				299	304	308	311	17				276
12					316	329	356	369					276*
13		422	426	429	380	393	408	414		29	18	15	275*
14	430	433	437	440	416	419	423	427	14	14	14	13	262
15	438	434	430	424	426	424	421	414	12	10	9	10	210
16	419		362	327	407	385	359	315	12		3	12	179
17	292	261	249	240	298	272	253	208	-6	-10	-4	31	168
18		199	174	149	196	187	172	151		12	3	-2	175*
19	124	104	91	82	128	92	84	78	-4	13	7	4	219
20	76	74	71	71	73	68	64	60	3	6	8	11	261
21	71	70	70	71	59	58	57	57	12	13	14	14	305
22	71	71	72		57	55	55		14	16	17		278
23				72				56				17	

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 6 OCT 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	72	75	77	81	57	61	63	67	16	15	14	14	259
1	83	82	81	79	69	70	70	68	13	12	11	12	198
2	76	73	71	69	66	61	57	53	10	12	14	16	211
3	68	67			49	44	41	39	19	22			279
4					36	35	35	36					227*
5					34	34	34	35					215*
6		68	79	93	38	48	68	83		21	11	10	176*
7	104	115	125	136	91	101	120	136	14	14	5	0	159
8	145	160	176	194	142	151	163	179	3	10	13	15	182
9			244	255	190	199	211	241			33	14	220*
10	264	278	293	308	257	271	291	301	7	6	1	6	291
11	322	342	359			314	326			27	33		288
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14

263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 15 OCT 1977
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10				348		292	303	311				38	
11	357	359	355	371	313	312	309	314	44	47	46	57	294
12	384		414	422	324	341	361	370	60		52	52	329
13	428	433	437	441	375	382	389	397	53	51	48	44	310
14	443	441	438	434	401	401	398	392	41	40	40	42	275
15	426		380	363	379	369	353	328	47		27	36	246
16	349	324	301	278	316	308	296	271	34	17	5	6	209
17	257	245	213	187	248	203	189	171	10	43	25	16	190
18	160	143	133	124	151	128	93	86	9	15	40	38	211
19	111	107	104	100		79	76	74		29	28	25	210
20	93	86	85	85	71	66	59	55	22	20	26	30	281
21	81	79	78	77	49	46	49	53	32	34	29	25	407
22	77	77	75	74	53	51	50	48	25	26	25	26	317
23	73	73			46	44	43	43	28	29			188

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 16 OCT 1977

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. P.M.
0					40	39	37	36					211*
1					35	33	31	30					232*
2					29	28	27	25					236*
3		40	34	28	21	18	16	14		22	18	14	257*
4	27	29	29	29	13	13	12	11	14	16	17	17	438
5	27	28	26	27	10	10	9	11	17	18	16	16	536
6	35		70	86	18	30	48	74	16		23	12	369
7	106	132	159	179	86	109	143	164	20	22	16	15	188
8	209	233	245	248	188	196	201	204	22	37	44	45	158
9	255	264	275	288	213	233	250	263	43	31	25	25	318
10	305	328	357	389	286	305	317	350	19	23	40	39	360
11	419	434	449	472	378	405	421	435	42	29	27	37	275
12	514	538	555	582	481	496	520		33	42	35		286
13	592	600	604	604	537	543	549	551	56	58	55	53	254
14	602	599		551	549	541	536	524	53	58		26	236
15	521	490	455	431	502	481	433	414	19	10	22	17	233
16	417	368	327	287	383	353	311	286	34	15	16	2	228
17	260	245	214	180	255	207	188	164	5	39	27	17	200
18	157	141	129	115	145	109	88		12	33	41		246
19	104	102	98	91	78	73	70	64	27	28	28	27	315
20	85	83	84	83	59	54	51	48	26	29	33	36	475
21	82	79	77	80	46	46	46	46	36	34	32	34	458
22	83	82	80	77	47	44	41	36	36	38	40	41	311
23	75	74			34	33	31	30	41	42			348

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 17 OCT [illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	MN.
0					30	28	29	30					277*
1					30	29	27	24					188*
2				33	23	20	17	14				18	208*
3	32	30	29	29	13	12	10	10	18	18	19	19	472
4	29	28	28	27	11	12	11	11	17	16	16	15	575
5	28	31	31	33	10	11	9	10	18	20	21	23	454
6	36		71	86	19	32	51	74	17		20	12	390
7	102	127	160	187	85	101	142	159	17	26	18	28	197
8	208	234	247	257	185	197	204	217	23	37	43	40	199
9	262	270	288	320	236	255	273	299	26	15	16	22	269
10	363		430	463	316	365	404	431	47		26	33	324
11	516	585	615	660	485	534	589	636	31	51	26	24	282
12	730	780	853	933	684	747	807	862	47	33	46	71	290
13	980	1047	1115	1152	934	978	1050	1091	46	70	65	61	277
14	1184	1216	1240	1243	1108	1153	1166	1169	77	63	74	73	290
15	1242	1236	1218	1192	1170	1166	1154	1115	72	70	64	77	311
16	1154	1126		1056	1109	1071	1043	988	46	55		68	289
17	979	937	835	765	946	874		729	34	63		36	251
18	683	603	547	466	647		508	424	36		39	42	222
19	428	417	381	353	394	368	314	305	34	48	67	48	222
20	338	332	320	288	298	296	288	263	40	36	32	26	289
21	264	248	243		219	196	186	179	45	53	56		306
22	214	207	196	194	174	171	164	158	41	36	32	36	248
23	191	187	181	163	153	151	149	145	38	36	33	18	267

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 16 OCT 1977

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	145	131	125	120	141	135	123	106	4	-4	2	14	309
1	110	100	91	83	95	89	84	79	15	11	7	4	178
2	78	75	73	73	74	68	63	59	4	7	11	14	194
3	76	75	74	72	56	54	50	46	20	22	24	26	299
4					44	41	39	39					291*
5					38	39	39	38					213*
6	69	76	85	100	43	54	74	89	26	23	11	11	367
7	127	162	199	235	122	152	183	199	5	10	16	35	211
8	258	284	313	338	242	273	301	313	16	12	13	25	271
9	365	386	410	418	331	361	369	377	34	26	40	42	259
10	429	445	469	502	401	421	435	471	29	24	34	31	257
11	532	557	588	609	488	515	530	548	45	42	58	61	281
12	645	693	741	778	599	637	675	723	46	56	66	56	289
13	798	810	813	804	751	759	760	754	47	51	53	51	253
14	790	773	723	665	741	713	656	624	49	61	66	41	247
15	607	561	511	484	556	511	463	425	51	50	48	59	224
16	459	438	430	426	414	393	379	374	46	45	51	52	265
17	420	386	347	308	363	324	305	288	57	63	42	20	276
18	279	265	257	250	259	211	198	191	20	54	59	59	255
19	245	203	177	154	179	155	134	96	67	48	44	58	307
20	133	114	107	104	86	80	76	71	47	34	31	33	355
21	101	97	93	90	67	64	64	64	34	32	29	26	478
22	88	91	96	95	65	65	65	63	23	26	31	32	314
23	92	88	84	80	58	53	49	47	34	35	35	33	365

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALENUA ELECTRON CONTENT 19 OCT 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	76	74	74	75	46	46	44	43	30	29	31	32	477
1	75	75	75	75	45	47	49	49	30	28	27	27	358
2					46	41	39	36					209*
3					35								219*
4					30	28	25	24					258*
5			30	31	23	21	21	21			9	9	336*
6	35		70	85	27	36	58	79	9		12	6	327
7	104	128	155	177	91	126	149	170	12	2	6	7	201
8	204	231	253	269	189	199	223	260	15	32	31	9	248
9	284	316	361	409	280	301	316	368	4	15	45	41	291
10	440	474	518	564	403	425	485	520	37	49	33	44	312
11	601	627	654	664	539	593	618	633	62	34	36	31	246
12	661	670	670	671	632	637	635	631	30	33	35	40	237
13	663	655	658	658	628	624	626	625	35	30	32	33	259
14	656	655	644	630	622	622	614	608	34	33	30	22	232
15	611	592	531	475	594	538	507	448	17	55	24	27	189
16	428	389	348	314	406	368	314	296	22	22	35	19	212
17	285	267	252	243	273	254	213	196	12	13	40	47	215
18	217	204	188	174	185	168	153	142	32	36	35	32	212
19	164	159	155	151	134	127	114	104	29	32	41	47	272
20	147	145	145	147	99	102	103	100	49	43	43	47	252
21	143	131	111	97	96	88	73	76	48	43	39	21	218
22	91	88	87	86	69	63	58	53	22	25	29	33	217
23	82	80	78	77	48	41	38	36	35	39	41	42	353

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E.M**3 20 OCT 15.7

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. H.M.
0	75	72		41	34	33	32	31	41	39		11	398
1	37	34	32	35	30	27	24	20	7	7	8	15	209
2	35	35	31	28	18	17	15	14	17	18	16	14	530
3	24	22	22	22	13	13	14	15	11	9	7	7	391
4	23	27	29	28	15	14	14	14	8	12	14	14	341
5	27	26	26	28	13	16	21	23	14	10	5	5	366
6	35	58	77	99	29	38	58	77	7	20	20	22	327
7	125	149	178	209	89	136	159	181	36	13	20	28	251
8	241	253	262	272	196	203	221	256	45	51	41	16	220
9	287	313	345	377	270	287	301	311	17	27	43	66	230
10	411	424	431	434	344	374	384	396	67	51	47	38	237
11	438	438	433	431	402	402	390	383	36	36	43	48	244
12	433	435	441	455	384	385	395	411	49	50	46	44	333
13	472	491	519	527	421	430	471	482	51	61	47	45	272
14	529	515	484	450	485	476	429	412	44	39	55	38	241
15	429	417	381	345	386	360	318	301	43	57	63	44	239
16	312	283	264	250	281	256	214	197	31	27	50	53	235
17		202	187	171	181	163	149	136		39	38	35	220*
18	155	147	142	138	104	91	86	83	51	57	57	54	301
19	129	124	120	114	79	79	76	73	49	45	44	42	358
20	110	104	103	104	70	68	66	65	40	36	36	39	264
21	106	106	104	95	66	67	67	64	40	40	37	31	349
22	92	90	89	85	57	50	46	41	35	40	43	44	277
23	82	79	74	73	36	33	31	30	46	46	44	43	706

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PHLEHUA ELECTRON CONTENT 10**15 E/M**3 22 OCT 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	91	90	92	94	59	58	59	61	32	32	33	33	373
1	96	93	90	86	62	60	55	47	34	33	35	39	327
2	83	81	78	76	41	35	31	28	42	46	48	49	416
3	75	73			25	23	21	19	50	50			872
4	70	73	74	74	18	18	17	17	52	56	57	57	1156
5	75	75	75	74	17	18	19	21	58	58	57	53	946
6	76				27				49				883
7													
8													
9													
10													
11													
12													
13		523	518	491		493	483	456		31	35	36	
14	470	460	451	441	430	423		413	40	37		28	248
15	430	419		380	404	382	375	354	26	38		25	235
16	348	294	257	243	313	286	246	198	35	8	11	45	191
17	213	198	180	154	183	168	153	138	31	30	27	16	230
18	138	126	121	116	102	88		79	36	38		37	243
19	108	104	102	98	76	74	70	65	32	30	32	33	327
20	95	92	89	88	61	59	56	52	34	33	33	36	451
21	87	87	87	85	49	47	47	46	38	40	40	39	436
22	85	84	86	84	46	42	42	42	39	42	44	42	426
23	84	83	80	77	43	39	39	36	41	44	41	42	421

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 23 OCT 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	N.M.
0	76	76	78	78	33	30	28	24	43	46	51	54	426
1	78	78	76	74	23	23	22	21	55	55	54	53	629
2	75	78	78	78	21	20	19	19	55	58	59	59	872
3	77	77	76	76	19	21	21	18	58	57	56	58	767
4	76	76	76	76	15	13	11	9	61	64	66	68	958
5					11	13	12						159*
6													
7													
8		154	172	198		152	164	183		2	7	15	
9	213	242	258	274	193	204	236	259	21	38	22	14	254
10	290	311	342	369	285	304	318	346	5	7	24	23	233
11	385	387	416	423	363	376	388	402	22	11	27	21	248
12	426	433	441	451	406	416	423	429	20	17	18	22	237
13	455	462	473	484	438	458	474	483	17	4	-1	1	237
14	490	487	474	456	484	479	468	448	7	8	6	9	223
15	446	437	424	387	434	425	405	374	11	12	19	14	191
16	343	286	253	217	324	291	251	199	18	-4	2	18	169
17	178	150	123	104	169	147	121	91	10	3	2	13	159
18	98	97	97	96	84	79	74	68	14	18	23	28	190
19	91	87	83	81	63	57	54	53	28	30	29	28	507
20	82	85	86	86	50	48	48	48	32	37	39	39	453
21	85	83	82	79	47	47	46	44	38	36	36	35	443
22	79	80	81	80	40	36	35	33	39	44	46	48	377
23	79	78	76	74	30	26	24	23	49	52	52	52	331

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 24 OCT 1977
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0		70	74	78	22	22	23	23		49	52	56	234*
1	79	80	80	79	23	23	23	23	56	58	58	56	786
2	79	77	77	77	23	21	19	18	57	56	58	60	948
3	79	79	79	79	18	17	17	17	62	62	62	62	1083
4	79	77	78	78	16	16	17	18	63	61	61	61	1083
5	79	80	81	81	18	18	18	20	62	63	63	61	995
6	82	88	98	112	23	32	47	72	59	56	51	40	815
7	137	169	202	242	86	114	149	179	51	54	53	63	274
8	253	262	271	279	196	205	241	258	58	57	29	22	242
9	309	348	388	425	278	303	322	374	30	46	66	51	247
10	445	483	528	588	409	428	484	522	36	54	45	66	256
11	611	645	696	762	544	604	642	699	67	41	55	63	261
12	792	863	937	971	744	804	863	924	48	59	74	46	272
13	1011	1047	1039	1030	964	986	983	979	48	62	55	51	259
14	986	955	911	874	950	911	862	831	36	44	49	43	250
15	833	797	777	733	791	754	739	701	42	42	38	32	268
16	689	634	599	533	649	622	566	520	40	12	34	13	234
17	464	421	364	286	466	407	328	287	-2	14	37	-1	179
18	250	213	183	161	211	185	156	115	39	28	28	46	192
19	135	120	108	103	86		78	75	48		31	28	322
20	101	101	101	99	73	70	69	68	28	31	31	31	376
21	97	92	89	87	67	65	64	61	30	27	25	26	331
22	90	93	94	93	61	59	59	57	29	33	35	36	294
23	91	89	86	82	56	56	54	51	35	33	32	31	311

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 25 OCT 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	79	79	80	80	46	41	36	32	33	38	44	48	271
1	80	79	78	76	31	28	26	26	49	51	52	51	424
2	74				22	18	16	14	52				738
3	71	73	73	74	14	13	12	11	58	61	62	63	1788
4	74			39	10	10	10	9	64			31	1861
5	29	25	33	43	9	9	9	11	20	16	23	32	718
6	61	69	77	85	17	27	39	59	44	42	39	26	763
7	96	123	156	187	80	94	135	153	16	29	21	35	213
8													
9													
10			435	467			409	431			26	36	
11	524	590	621	667	490	524	590	626	34	66	31	42	263
12	732	777	804	850	669	726	759	804	63	51	46	46	366
13	891	910	938	956	829	848	868	883	61	63	71	73	368
14	959	960	947	903	896	913	875	858	63	47	72	45	243
15	837	782	716	649	818	758		642	19	24		7	222
16	599	537	470	418	593	523	463	389	7	14	7	29	198
17	375	314	261	246	328	291	245	191	47	23	16	55	201
18	193	174	165	157	164	146	123	99	29	29	42	58	255
19	150	142	129	123	94	90	87	84	56	52	42	39	259
20	123	122	114	105	83	80	75	69	40	42	39	36	294
21	101	96	94	91	66	63	60	58	35	33	34	33	344
22	90	92	94	93	56	54	52	50	34	37	42	43	386
23	91	89	86	83	48	45	42	40	43	44	44	43	391

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 26 OCT 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	80	78	76	73	38	35	31	24	42	43	46	49	300
1	75	77	78	78	21	18	15	14	55	60	63	64	695
2	79	78	78	77	14	13	11	12	65	66	67	65	2547
3	76				13	13			64				1704
4													
5													
6													
7													
8													
9													
10			417	439			388	416			29	23	
11	465	502	543	586	429	476	501	531	36	26	42	55	250
12	605	627	658	700	553	599	626	648	53	28	32	53	251
13	738		771	770	679	699	714	710	59		57	60	251
14		726	694	656	707	673	646	624		52	48	31	233*
15	612	596	551	484	586	537	512	445	26	59	39	39	223
16	429	390	342	306	405	362	305	283	24	28	37	23	223
17	276	261	253	247	254	211	197	187	21	50	56	60	246
18		217	214	211	179	169	159	154		48	56	57	243*
19	200	178	150	134	145	118	87	79	55	60	63	55	250
20	124	117	110	106	74	70	66	63	50	47	44	43	359
21	103	100	97	93	61	58	58	56	42	42	39	37	464
22	88	88	90	93	52	48	46	44	36	40	44	49	418
23	92	92	90	86	42	39	37	37	50	52	53	49	513

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 27 OCT 19??
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	.M.
0	82	82	86	90	36	34	33	34	46	48	53	56	514
1	91	90	90	90	33	33	33	31	58	57	57	59	539
2	89	87	84	83	31	31	30	29	58	56	54	54	1039
3	85				30				55				785
4													
5													
6													
7		211	248	277		146	174	201		65	75	76	
8	320	363	386	423	262	286	309	341	58	77	76	82	371
9	408	454	473	498	374	397	411	421	64	58	62	78	257
10	524	539	563	590	430	436	472	488	94	103	91	102	379
11	608	638	686	711	514	546	609	649	94	92	77	62	287
12	780	798	800	813	706	725	736	751	74	73	65	62	288
13	818	814	788				731	665			57		443
14	567	594	519	450		521	443	398		73	76	52	630
15	425	419			364	326	316	315	61	94			314
16					313								222
17													
18													
19				196				163				33	
20	169	149	131	116	133	83	86	80	36	67	45	36	239
21	113	113	114	112	78	75	75	74	36	38	39	38	241
22	106	99	90	85	71	65	56	49	35	34	34	36	321
23	83	82	83	82	44	42	40	38	39	40	43	44	451

4.8602 14 CONTENT PER DEGREE 6.230E 14 *BASED ON FARADAY
253 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 29 OCT 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	m.
0	80	78	77	76	37	35	34	33	43	43	43	43	566
1	75	74	74	77	32	30	29	29	43	44	45	49	532
2	79	80	79	79	29	28	27	28	50	53	52	51	536
3	78	77			27	24			51	54			490
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17				149				161				-12	
18	126	106	93	86	134	89	81	74	-8	18	12	12	162
19	85	86	84	82	69	65	59	54	16	21	25	28	378
20	79	80	80	80	51	48	47	45	28	32	33	35	442
21	79	79	78	77	44	44	44	45	35	35	34	32	382
22	77	77	80	84	48	52	53	54	29	25	28	30	302
23	85	83	78	75	54	52	51	49	31	31	28	27	230

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 29 OCT 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	A.M.
0	74	75	76	75	44	39	36	32	31	36	41	43	324
1	75	73	73	75	28	25	23	19	48	48	51	57	345
2	75				17	14	11	11	58				136
3					10	9	8	8					200*
4					6	8	8	8					140*
5					8	9	10	12					163*
6				74			40	65				9	
7	89	102	113	128	81	90	109	138	8	12	4	-10	161
8	146	176	213	248	151	179	198	234	-4	-3	15	15	210
9	269	301	347	408	267	303	331	386	2	-2	16	22	240
10	439	479	533	586	426	481	523	546	13	-3	11	40	329
11	618	649	668	691	596	626	642	654	22	23	26	37	215
12	720	753	776	792	683	710	737	756	37	43	39	36	248
13	803	814	819	810	763	770	774	770	40	44	45	40	242
14	788	777		723	751	749	726	706	37	28		17	267
15	713	703	683	648	698	680	654	637	15	23	29	11	249
16	606	558	509	463	599	539	503	461	7	19	6	3	324
17	436	416	353	291	421	383	316	280	15	33	37	11	192
18	253	216	175	138	218	183	148	93	35	33	27	44	173
19	110	98	91	87	79	69	61	54	32	29	30	33	237
20	86	86	86	86	51	50	48	48	35	36	38	38	321
21	86	86	87	87	48	48	49	48	38	38	38	39	321
22	87	87	85	85	48	47	44	43	39	40	41	42	314
23	85	86	85	85	43	42	42	41	43	44	43	44	330

4.860E 14 CONTENT PER DEGREE 4.250E 14 *BASED ON [illegible]
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 23 OCT 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	85	85	85	86	41	41	43	44	44	44	43	42	404
1	87	86	85	84	43	42	39	38	44	44	46	47	287
2	82	82	81	81	36	36	34	33	46	47	47	48	411
3	80	79	79	77	31	29	26	24	49	50	53	54	533
4	77	77	77	75	22	21	19	16	55	57	59	60	994
5	75	76	77	77	14	14	15	16	61	63	62	62	1236
6	77	80	87	100	19	30	43	65	58	50	44	35	894
7													
8	175	214	244	254	172	189	198	214	4	26	46	40	172
9	265	272	280	288	248	257	266	284	17	15	15	4	231
10	304	312	336	353	301	308	319	339	3	4	17	14	320
11	382	407	420	427	365	374	378	391	17	33	42	37	228
12	432	440	455	488	408	419	433	478	24	21	22	10	183
13	531	554	592	597	508	527	546	553	24	27	47	45	250
14	605	606	624	642	584	582	605	624	21	24	19	18	167
15	660	685	717	765	639	654	696	723	22	31	21	42	270
16	779	795	800	786	754	765	773	762	25	30	27	24	135
17	776	729	655	594	753	715	646	566	24	14	9	29	136
18	509	448	416	350	504	432	389	313	4	16	26	38	185
19	303	272	255	243	285	256	201	188	18	16	54	56	188
20	213	195	181	169	169	153	143	126	44	42	39	42	274
21	161	154	150	144	107	98	94	91	54	57	56	54	303
22	131	115	103	97	86	79	73	68	45	36	30	29	231
23	94	92	90	88	63	60	56	53	31	32	34	35	294

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 31 OCT 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.M.
0	87	85	84	85	49	44	43	41	38	41	42	44	414
1	85	85	86	86	41	43	45	45	44	42	41	41	404
2	85	84	83	82	43	41	38	36	43	43	45	47	333
3	81	80	78	78	34	33	30	28	47	48	48	50	407
4	78	78	78	77	26	25	24	23	52	53	54	55	776
5	77	76	76	76	21	20	18	18	56	56	58	58	694
6	78	81	86	93	22	29	41	64	56	52	45	29	906
7	103	123	149	176	80	91	114	142	23	32	35	35	321
8	200	214	244	254	161	186	198	209	38	28	46	45	237
9	270	295	327	357	247	266	295	311	23	29	32	46	252
10													
11		455	510	546				506				40	
12	586	600	614	634	530	542	575	606	56	58	39	28	363
13	654	672	677	685	624	639	639	642	29	33	38	43	228
14	680	685	670	660	638	641	634	628	42	44	36	31	234
15	657	629	619	597	627	603	592	538	30	27	27	59	242
16	560	527	470	423	522	493	425	385	38	35	45	38	210
17	377	315	269	246	316	285	244	192	61	30	24	54	256
18	210	170	140	122	156	133	89	81	44	37	52	41	282
19	113	106	102	98	75	71	66	62	38	35	36	36	344
20	95	94	92	91	58	54	53	54	37	40	39	37	439
21	91	92	92	90	52	53	55	52	39	39	37	38	422
22	87	84	82	81	46	42	38	34	41	42	43	47	357
23	81	81	81	81	32	32	32	31	49	49	49	50	311

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON PARA...
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 1 NOV 1977

	TOTAL				FARADAY				PLASMISPHERE				S.T.
HST	00	15	30	45	00	15	30	45	30	15	30	45	M.
0	80	81	82	83	32	33	33	33	48	49	49	51	533
1	82	81	80	80	32	30	29	28	50	51	51	53	546
2	78	78	78	78	26	25	24	24	53	53	54	54	776
3	78	77	76	76	22	19	18	16	56	58	59	60	77.
4	76	76	77	78	16	16	14	14	61	60	63	64	1232
5	78	78	79	79	14	14	16	17	64	64	64	62	1169
6	80	84	91	104	20	28	41	66	60	56	50	38	1.1.
7	122	145	165	182	84	96	133	150	38	50	32	32	837
8	195	208	194	241	159	168	180	191	36	39	14	50	635
9	247	256	263	272	199	208	240	261	49	48	23	11	219
10	283	299	318	329	280	293	305	312	3	6	13	17	213
11	338	351	362	391	319	331	344	368	18	21	18	24	240
12	417	422	423	425	380	386	390	395	37	36	33	30	258
13	425	429	436	444	392	394	403	409	33	35	33	34	302
14	451	461	475	483	415	423	435	461	36	38	40	21	291
15	498	518	531	543	482	498	506	518	16	19	25	25	242
16	534	513	477	443	521	506	484	429	13	6	-7	13	197
17	417	366	306	259	394	344	301	265	22	22	5	-6	181
18	245	186	151	124	198	175	148	105	48	11	3	19	186
19	104	103	107	109	87	83	79	78	17	19	28	32	348
20	105	108	107	105	76	76	75	74	30	33	32	32	361
21	104	102	96	87	74	72	72	66	31	30	24	21	409
22	80	76	76	79	56	48	41	38	24	28	35	41	342
23	80	81	80	80	37	36	35	34	43	45	45	46	566

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA

ELECTRON CONTENT
10**13 E/M**3

3 NOV 19..

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.
0	81	82	82	81									
1	81	80	80	81	38	31			48	51			
2	81	81	81	81									
3	81	80	80	80	27	26	27	27	54	55	54	53	
4	79	79	78	79	27	26	24	23	54	55	56	57	
5	79	80	80	79	23	21	21	20	57	58	59	59	
					21	21	22		59	59	59	59	
6	81	86	92	103									
7	117	141	172	203									
8	237	245	255	260									
9	267	278	291	308									
10	334	353	377	409	226		263	282	41		39	36	
11	424	437	451	468	302	311	321		32	46	50		
						389	414	428		48	52	46	
12	493	517	540	551	455	483	496	504	38	34	44	47	
13	555	561	560	551	509	515	514	506	46	46	46	45	
14	546	533	522	508	502	490	484	475	44	42	38	33	
15	480	453	429	417	434	418	400	376	46	35	29	41	
16	365	323	284	265	323	306	290	269	42	18	6	4	
17	251		195	163	241	197	181	156	11		14	7	
18	139	115	100	92	107	95	81	79	32	20	19	13	
19	89	87	87	88	78	72	68	69	11	15	19	19	
20	88	86	86	84	59	57	54	52	29	29	32	32	
21	85	87	87	85	50	51	53	44	35	36	34	41	
22	82	75	78	79	41	38	36	34	41	37	42	45	
23	80	81	81	80	34	34	34	33	46	47	47	47	

4.860E 14 CONTENT PER DEGREE 6.250E 14
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 3 NOV 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.I.
0		79	79	79	32	32	31	29		47	49	50	825*
1	80	80	79	79	28	25	22	18	53	55	57	61	566
2	79	78	78	78	15	13	14	14	64	65	64	64	463
3	79	79	79	79	13	15	13	14	67	64	66	65	1769
4	78	78	77	77	13	12	11	13	65	66	66	64	1563
5	76	76	76	76	14	16	17	18	63	61	59	58	1145
6	76	80	87	99	22	34	45	62	54	46	42	37	883
7	114	130	151	175	78	88	98	134	36	42	54	41	1148
8	197	203		247	151	163	176	184	46	40		64	1247
9	253	260	270	278	189	205	229	251	64	55	41	26	1179
10	285	301	326	356	266	289	311	334	19	12	15	22	1244
11	388	419	431	436	366	389	409	418	22	31	22	18	1250
12	451	462	481	518	429	441	469	491	22	22	11	27	1150
13	569	587	594	607	508	521	530	548	53	66	64	59	1304
14	615	619	616	616	574	584	578	578	41	35	38	38	1240
15	609	604	598	549	548	543	528	513	61	61	70	36	1227
16	498	439	417	347	476	414	369	305	22	25	47	42	1161
17	297	263	248	214	270	227	197	179	27	36	51	36	1195
18	171	125	97	87	151	96	81	72	20	29	16	15	1123
19	82	80	78	78	65	59	53	48	17	21	26	30	971
20	77	76	79	82	46	44	44	45	31	32	35	37	1111
21	84	83	82	81	46	46	45	44	38	37	37	37	1111
22	80	81	83	83	43	44	41	39	37	37	42	44	1241
23	83	83	83	85	38	38	38	40	46	46	45	45	1211

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 4 NOV 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	85	85	85	90	41	41	41	44	44	44	44	46	475
1	91	90	89	88	44	43	40	39	47	47	49	49	473
2	87	85	85	84	38	36	35	34	49	49	50	50	414
3	84	82	80	79	32	29	26	23	52	53	55	51	400
4	79	79	78	79	20	17	16	16	59	62	63	63	335
5	78	78	78	80	16	18	17	18	63	61	61	62	1169
6	82	85	92	104	20	28	41	62	62	58	51	42	951
7	122	147	169	184	80	89	107	137	42	58	62	47	253
8	205				153	173	188		51				256
9	250	285	313	342	206	254	274	299	44	31	39	42	276
10	382	417	441	479	315	368	397	428	67	49	44	51	313
11	521	586	607	624	478	518	549	598	43	68	58	26	285
12	652	672	704	734	621	637	657	703	30	35	47	32	259
13	766	775			727	741	719	714	40	34			267
14	776	786	793	796	735	751	760	763	41	35	33	32	291
15	798	811	808	791	767	786	782	764	32	26	26	26	264
16	771	704	656	612	737	694	641	599	34	10	14	13	238
17	594	546	504	477	543	521	490	462	52	25	14	15	
18	462	443	422	378	432	417	393	355	30	26	29	23	
19	339	312	292	270	310	299	278	253	29	14	15	17	
20	251	216	192	175	198	181	157	140	53	36	35	35	
21	159	145	140	132	101	89	88	86	58	56	52	46	
22	119	107	102	100	79	79	76	72	40	28	26	28	397
23	100	99	96	94	71	69	64	62	29	30	31	32	788

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 5 NOV 1977

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T.
0	91	86	83	82	56	49	41	36	35	37	42	46	253
1	81	83	80	80	33	31	31	30	48	50	50	50	252
2	80	80	81	81	29	29	28	29	51	51	53	52	646
3	82	82	81	82	29	29	29	29	53	53	52	53	613
4	82	82	82	82	30	29	29	29	52	53	53	53	618
5	82	82	82	82	28	28	27	28	54	55	55	55	706
6	84	88	97	110	31	37	53	73	53	51	44	37	515
7	130	148	166	182	84	92	122	145	46	56	44	37	261
8	207				163				44				288
9	264	293	325	354		263	293	309		31	33	46	291
10	385	417	426	427	326	364	379	384	59	52	47	43	244
11	428	428	432	434	386	382	383	391	43	46	50	43	215
12	442	454	486	514	409	422	447	478	33	33	40	36	230
13	559	587	596	604	503	523	535	549	57	63	61	55	381
14	610	616	625	632	585	598	613	626	25	18	11	6	249
15	626	617	608	599	622	611	597	571	5	6	11	29	218
16	560	522	464	430	536	517	471	416	24	6	-6	14	166
17	382	334	294	258	369	316	295	253	13	18	-1	5	199
18		185	156	144	196	169	148	140		16	9	4	169*
19	137	127	114	107	130	108	89	84	7	19	25	23	227
20	104	104	102	95	78	80	78	74	27	24	24	21	315
21	90	86	82	79	70	69	64	56	20	17	18	24	321
22	78	81	80	79	50	46	43	40	28	36	37	39	371
23	78	77	76	75	38	38	39	34	41	40	38	42	490

4.860E 14 CONTENT PER DEGREE 6.250E 14
-97 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 6 NOV 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				C.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	km.
0	74		69	74	31	30	29	27	43		39	47	500
1	78	80	80	80	26	26	26	25	52	55	55	55	589
2	80	79	78	78	24	23	22	22	56	56	56	56	650
3	78	78	78	78	22	21	21	21	56	57	58	58	706
4	77	76	77	77	21	22	22	22	56	54	55	55	827
5	77	77	78	78	23	24	24	26	55	54	54	53	827
6	80	84	91	104	29	35	48	72	51	49	43	32	740
7	121	147	169	185	88	108	138	149	33	39	31	36	189
8													
9													
10													
11	427	436	443	453	406	416	427	426	21	20	16	27	375
12	468	485	509	523	436	455	482	492	32	30	27	32	275
13	540	560	588	597	506	519	530	534	34	41	58	64	381
14	603	607	604	601	536	537	535	531	68	70	69	71	[illegible]
15	597	564	528	486	526	516	485	428	72	49	43	58	[illegible]
16	445	420	368	323	409	370	311	285	36	50	57	[illegible]	[illegible]
17	280	261	247		253	203	186	168	27	58	61		188
18	198	177	164	151	149	119	94	90	48	59	69	61	276
19	147	156	164	169	89	88	91	94	60	68	73	75	[illegible]
20	176	184	192	195	100	116	135	141	76	68	57	54	354
21	195	188	174	157	143	136	114	89	52	52	60	68	[illegible]
22	138	124	105	99	81	73	63	54	57	51	42	44	[illegible]
23	94	93	91	89	49	47	44	43	44	46	47	46	424

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARA...
-97 ZERO CONTENT ANGLE 45

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 7 NOV 1977

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	89	90	89	89	41	39	39	40	48	51	50	49	456
1	88	87	87	87	38	37	36	35	50	50	51	52	485
2	87	88	88	87	34	34	35	34	53	54	53	53	544
3	86	85	85	85	33	32	34	33	54	53	51	52	571
4	84	84	83		34	35	35		50	49	48		594
5													
6				119				79				40	
7	149	186		251	94	138	171	196	55	48		55	300
8	266	280	296	316	210	248	268	294	56	32	28	23	227
9	347	385	417	424	311	341	373	379	37	45	44	45	251
10	428	431	458	450	396	401	429	421	33	30	29	28	256
11	490	521	552	590	467	494	525	543	23	28	27	48	293
12	601	613	660	686	573	593	631	643	29	20	29	43	278
13	651	667	711	675	628	639	664	641	23	28	47	34	247
14	711	729	719	693	654	676	665	650	57	54	54	43	241
15	691	661	621	596	651	638	601	541	39	23	19	55	201
16	594	558	520	484	529	519	489	452	65	40	30	32	232
17	446	428	417	368	421	406	376	317	24	22	41	51	182
18	323	266	243	208	293	249	192	176	30	17	52	32	171
19	195	186	183	174	163	151	145	136	32	35	38	38	257
20	163	161	168	170	104	102	112	118	58	59	56	52	262
21	164	149	129	113	108	91	84	76	56	59	45	38	280
22	102	94	89	87	67	58	50	48	35	36	39	39	294
23	87	86	85	85	46	44	43	41	41	42	43	44	480

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

HTS-6:PALEHUA ELECTRON CONTENT 8 NOV 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	83	83	84	84	39	38	36	36	44	46	48	48	520
1	84	83	82	81	36	36	35	34	48	47	47	47	444
2	80	80	80	79	32	30	28	26	48	50	52	53	424
3	79	79	79	78	24	23	23	23	55	56	56	56	348
4	78	78	78	79	23	22	22	23	55	56	56	57	906
5	79	79	79	78	23	23	23	24	56	56	56	54	917
6	77	79	85	99	27	31	42	64	50	48	43	34	713
7	117	142	166	185	84	96	138	159	33	46	28	26	270
8	216	245	263	287	187	198	219	262	29	47	44	25	217
9	316	352	379		281	303	315	334	35	49	64		213
10	420	427	439	449	371	377	394	408	49	50	44	41	256
11	458	472	476	496	417	424	428	443	41	48	48	53	255
12	525	553			481	501	523	526	44	51			278
13				599	528	527	531						244*
14	599	599	600	558			528	518			73	41	245
15	502	458	433	417	477	425	407	371	25	33	26	46	225
16	382	343	299	265	323	305	281	249	59	38	18	16	121
17	247	214	178	147	199	187	166	147	49	27	12	0	207
18	124	107	98	88	110	88	81	73	14	20	17	15	194
19	82	81	80	79	65	59	54	54	17	22	26	25	194
20	81	86	91	91	53	54	56	55	29	32	35	36	453
21	90	87	84	82	54	52	49	46	36	35	35	36	478
22	80	80	82	86	46	43	42	42	35	37	40	44	402
23	87	88	86	84	43	43	41	38	44	45	45	46	420

4.662E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON 9 S.T.
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 9 NOV 1977
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	I.P. KM.
0	82	81	81	82	36	33	31	26	47	48	51	56	546
1	81	82	81	81	26	25	24	24	56	57	57	57	543
2	80	79	79	79	24	22	21	20	56	57	59	59	690
3	78	80			18	19			60	61			870
4													
5													
6													
7													
8													
9				300				269				30	
10	338	349	373	386	288	298	311	318	50	52	62	69	277
11	408	423	437	456	334	367	387	412	73	56	50	44	320
12	479	505	534	553	424	443	484	498	55	62	50	54	276
13	556	559	555	547	501	504	501	496	55	56	54	51	258
14	531	522	492	467	484	481	434	423	47	42	58	44	250
15	435	419	374	328	408	383	330	300	27	37	44	28	208
16	303	271	253	243	275	236	199	183	28	35	54	60	184
17	208	183	166	146	154	136	104	87	54	48	62	59	219
18	131	115	104	98	79	71	64	57	51	44	40	41	313
19	95	95	95	95	53	51	51	51	42	44	44	44	630
20	97	98	98	99	53	54	54	54	44	44	43	45	683
21	99	97	97	99	54	53	51	54	45	44	46	45	731
22	99	98	92	90	56	54	48	44	43	44	44	46	369
23	88	87	87	86	42	39	38	38	46	48	49	48	441

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10 NOV 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	86	85	85	84	37	36	34	33	49	49	51	52	333
1	85	86	85	85	34	34	34	34	51	52	51	51	532
2	85	85	85	83	35	35	34	32	50	50	51	51	426
3	80	78	78	79	27	20	14	11	53	58	64	68	402
4	78				11				68				1747
5													
6													
7													
8													
9													
10													
11													
12	509	560	595	611	485	507	530	539	24	53	65	72	269
13	630	651	673	673	566	596	615	624	65	55	58	49	292
14	667	669	670	666	626	630	630	625	41	39	40	41	261
15	660	637	605	591	619	604	554	82	41	33	51	510	244
16													
17													
18													
19	142	144	145	143									413
20	143	144	144	145									490
21	145	141	139	135	81	79	78	77	65	63	60	57	456
22	126	118	112	107	73	67	62	56	53	51	50	51	337
23	103	100	96	93	53	49	45	41	50	50	51	52	283

4.860E 14 CONTENT PER DEGREE 5.250E 14 *BASED ON FLARE
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 11 NOV 1977

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	91	89	87	86	39	36	34	32	52	53	53	54	507
1	86	86	84	84	31	28	24	23	55	58	60	62	538
2	83	83	83	83	22	22	21	20	61	61	62	63	962
3	82	81	80	81	17	15	11	13	65	66	69	68	1247
4	81	80	80	80	13	12	12	13	69	68	68	67	1331
5	80	80	80	81	15	14	13	18	65	66	68	64	1315
6	84	87	96	109	23	33	43	59	61	54	53	50	1160
7	133	160	187		77	91	124	169	56	69	63		329
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 12 NOV 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	HM.
0													
1													
2													
3													
4													
5			23	35			24	25			-2	10	
6	35	65	69	83	27	33	43	66	9	32	27	17	382
7	98	120	144	170	84	95	129	152	14	25	15	18	225
8	207	241	256	272	182	198	216	258	25	42	40	14	259
9	294	327	368	423	285	309	344	378	9	18	24	45	263
10	425	448	468	505	402	421	443	485	23	21	25	20	284
11	551	597	625	665	520	548	600	640	31	50	25	25	281
12	720	762	788	813	683	723	759	783	37	38	29	30	262
13	856	899	936	957	829	864	886	931	26	35	49	26	264
14	970	986	1009	1007	949	959	980	980	20	17	29	27	268
15	997	967	948	901	978	950	916	868	19	17	32	32	269
16	848	794	769	699	827	768	743	671	21	26	27	28	1.68
17	628	591	523	464	618	542	501	434	11	50	22	30	256
18	427	385	322	269	401	343	290	252	27	42	26	17	1.61
19	243	207	183	174	189	161	141	130	53	46	43	44	221
20	172	179	184	177	125	134	138	136	47	45	46	41	426
21	173	167	166	163	127	125	119	109	46	42	47	53	247
22	157	146	134	121	101	91	86	78	56	55	48	44	1.66
23	108	101	97	94	76	72	67	61	32	29	30	33	279

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 13 NOV 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.N.
0	92	90	90	89	58	56	54	52	34	34	36	37	415
1	89	89	90	91	51	51	52	54	38	38	38	37	402
2	92	92	92	93	56	57	58	58	36	35	34	35	349
3	94	97	100	98	60	64	69	68	34	32	31	30	321
4	94	88	80	80	62	53	44	33	32	35	39	43	294
5	78	77	77	77	33	30	27	26	46	47	50	51	589
6	77	81	87	102	28	33	44	68	49	48	43	33	716
7	123	151	175	189	84	99	136	153	39	52	40	36	2 +
8		245	257	278	170	186	199	228		59	58	49	251+
9	309	351		431	264	300	326	377	45	51		54	649
10	463	500	549	583	416	435	486	516	48	65	62	67	477
11	602	615	626	647	536	548	572	596	67	67	55	51	288
12	671	707		776	613	642	663	709	58	65		67	379
13	801	837	874	907	746	768	816	858	55	70	59	50	276
14	953	977	991	1001	883	934	949	965	70	44	42	36	256
15	997	976	943	884	966	943	880	844	31	33	63	40	252
16	801	768	693	634	763	709	646	603	39	59	46	32	258
17	597	546	477	422	541	501	429	383	56	46	47	39	220
18	370	293	243	177	313	261	186	121	57	32	57	57	195
19	148	138	132	125	86	56	80	78	63	82	52	47	429
20	118	111	108	105	75	72	69	68	43	39	39	38	464
21	102	98	97	95	63	59	57	54	38	39	40	40	507
22	93	91	90	91	51	49	47	47	42	42	43	44	493
23	91	93	93	94	48	48	49	51	43	45	44	43	432

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 14 NOV 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMOSPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	95	95	93	95	53	50	46	49	42	45	47	45	451
1	97	100	101	100	53	57	61	61	44	43	39	38	397
2	95	89	85	82	56	45	39	34	39	44	46	48	197
3	80	77	77	76	29	26	24	21	51	51	54	55	[illegible]
4	77	76	75	76	19	18	16	14	59	58	59	62	1725
5	77	76	77	79	13	13	15	18	64	63	62	61	1548
6	81	85	94	115	22	31	44	71	59	54	49	44	1331
7	149	190		249	86	130	159	186	63	60		63	344
8	263	283	307	334	199	224	258	280	64	59	49	54	321
9	352	362	386	417	299	295	316	359	53	67	70	59	282
10	444	470	504	545	394	418	439	483	50	52	65	62	315
11	585	613	652	696	521	552	607	647	64	61	45	50	304
12	726	729	723	720	682	704	706	705	44	25	16	15	233
13	716	703	702	699	693	658	653	655	23	46	49	44	257
14	717	738	781	788	672	710	751	755	45	28	30	33	247
15	774	718	641	602	737	683	626	573	37	35	15	29	236
16	557	504	459	429	519	475	423	400	39	29	37	29	221
17	390	347	306	270	359	305	277	243	32	42	29	27	[illegible]
18	247		203	188	196	179	158	158	51		15	31	248
19	174	163	148	134	145	115	91	85	29	48	57	49	239
20	120	110	105	102	81	77	74	71	39	33	32	31	[illegible]
21	101	99	97	97	69	68	68	66	31	31	29	[illegible]	[illegible]
22	98	100	98	100	68	69	66	69	30	31	31	30	234
23	97	95	92	89	68	66	63	57	29	29	29	32	360

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 15 NOV 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	86	84	84	84	51	46	41	40	35	38	43	44	370
1	84	83	84	83	40	39	39	39	44	44	45	44	449
2	82	82	81	81	38	36	34	34	44	46	47	47	371
3	83	84	84	85	36	37	38	41	47	47	47	44	464
4	84	79	75	73	40	32	23	14	44	47	53	60	334
5	74	75	76	77	9	7	6	0	65	68	70	77	[illegible]
6	77	79	83	95	13	23	34	53	64	57	49	42	1546
7	114	146	181		76	91	137	166	38	55	44		300
8	247	260	276	299	192	204	239	266	55	56	36	33	236
9	323	340	361	376	286	298	308	317	38	42	53	59	243
10	418	430	454	491	346	381	412	436	72	49	43	55	328
11	535	587	622	690	492	528	586	637	43	58	36	53	288
12	767	832	932	963	711	776	866	920	56	55	65	43	260
13	1025	1046	1146	1220	974	1029	1091	1161	51	18	55	60	266
14	1259			1259	1194	1206	1203	1196	65			64	315
15	1240	1215	1192	1161	1183	1166	1154	1114	57	49	38	47	310
16	1125	1083	1000	914	1088	1048	975	878	38	36	25	37	266
17	825	675		564	821	736	642	535	3	-61		29	217
18	448	368	293	256	428	346	283	228	19	22	11	28	186
19	246		210	200	196	184	172	160	50		39	40	286
20	192	188	185	181	153	148	147	143	39	40	38	38	386
21	177	175	174	172	141	139	139	137	37	36	36	35	334
22	165	159	155	146	123	109	102	94	42	50	53	54	274
23	139	131	129	132	89	86	84	86	50	45	44	46	269

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 16 NOV 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	H.M.
0	138	133	126	117	88	88	85	81	49	45	41	37	209
1	108	102	99	96	76	71	68	66	33	30	31	30	225
2	94	91	87	84	63	58	49	44	31	33	38	40	182
3	82	80	78	77	41	37	33	30	42	43	45	47	301
4	76	77	77	78	28	26	26	26	49	51	51	52	1043
5	79	78	79	79	27	27	26	28	52	51	53	52	731
6	81	86	94	111	31	36	51	74	51	50	43	37	643
7	139	170	196	239	88	114	147	178	50	56	49	61	320
8	256	278	305	340	199	238	268	301	57	39	37	39	348
9	377	415	434	453	323	369	398	418	54	45	36	35	938
10	476	502	525	552	432	473	491	518	44	30	34	34	239
11	564	585	600	611	524	531	544	583	40	54	56	28	270
12	626	647	668	679	605	626	641	646	21	21	28	33	256
13	693	699			651	653	649	664	42	47			259
14					653	643	618	584					216*
15					528	491	428	391					210*
16		336	324	301	359	310	294	267		26	30	34	327*
17	275	255		190	241	198	177	151	33	58		39	180
18	177	159	145	134	135	100	88	84	42	59	57	50	278
19	124	113	105	103	79	74	70	66	45	39	35	37	113
20	101	100	98	98	64	51	58	56	37	38	40	42	324
21	96	96	94	92	54	55	53	51	41	41	41	41	306
22	90	89	88	86	47	44	41	38	43	45	47	48	413
23	87	87	87	87	38	36	34	33	49	51	53	54	378

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON PLAS...
-97 ZERO CONTENT ANGLE 49

ATS-3:PALEHUA ELECTRON CONTENT 10**15 E/M**3 17 NOV 1977

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					33	33	32	34					249*
1					35	36	36	39					219*
2					39	37	36	36					184*
3					36	36	35	35					210*
4					33	29	26	22					175*
5					19	18	18	19					433*
6					22	26	34	51					359*
7					73	89	126	153					218*
8					178	197	213	256					242*
9					271	297	311	341					242*
10					374	400	421						246*
11													
12						705	751	806					
13					854	876	904	939					257*
14					973	996	1046	1055					243*
15					1045	1023	981	947					262*
16					879	843	784	744					231*
17					703	639	576	488					209*
18					399	310	259	193					191*
19					156	136	109	98					243*
20					94	93	94	94					262*
21					94	94	91	87					202*
22					83	79	76	74					179*
23					71	69	65	63					224*

4.860E 14 CONTENT PER DEGREE 6.250E 14
-97 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 18 NOV 1977

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					61	60	57	56					185*
1					55	52	48	43					159*
2					39	36	34	33					145*
3					31	29	25	20					157*
4					16	12	9	9					256*
5					8	8	9	11					181*
6													
7													
8													
9					202	234	258	279					223*
10					301	308							217*
11								421					
12					430	480	509	530					348*
13					551	586	598	603					329*
14					600	593	569	536					218*
15					516	486							214*
16						321	301	274					
17					236	198	180	150					189*
18					142	116	98	94					222*
19					93	85	81	76					194*
20					73	70	69	66					269*
21					63	58	53	50					337*
22					45	41	37	36					268*
23					35	35	38	43					215*

4.869E 14 CONTENT PER DEGREE 6.250E 14
-97 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 19 NOV 1977

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					46	42	38	38					220-
1					37	38	38	41					135-
2					41	41	39	39					175*
3					35	33	33	33					218-
4					31	29	28	29					251-
5													
6													
7													
8													
9													
10								429					
11					463	479	494	521					221*
12					540	558	559	559					218+
13					577	581	586	589					232*
14					593	596	591	593					235*
15					569	540	519	484					219+
16					429	408	374	323					202*
17					303	270	238	200					185-
18					178	154	135	106					201-
19					91	84	81	76					217*
20					74	73	74	74					278+
21					71	66	59	56					341-
22					53	48	47	46					259+
23					42	41	39	41					221*

4.860E 14 CONTENT PER DEGREE 6.250E 14
-97 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 20 NOV 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0					40	38	38	39					206*
1					39	39	39	39					200*
2					40	39	38	35					172*
3					32	33	29	26					178*
4					24	22	22	18					275*
5					15	13	14	19					205*
6					23	28	37	54					174*
7					73	85	99	134					194*
8					149	173	191	203					220*
9								294					
10					308	320	344	360					214*
11					372	380	394	403					231*
12					411	411	407	400					233*
13					397	393	389	389					242*
14					384	383	381	374					238*
15					364	350	320	309					226*
16					299	266	206	179					156*
17					148	126	98	88					167*
18					83	81	77	74					314*
19					72	72	70	70					325*
20					71	72	74	76					261*
21					78	80	81	99					194*
22					84	80	74	74					255*
23					71	63	54	46					306*

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 21 NOV 1977

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					41	36	33	31					215*
1					31	31	29	32					196*
2					32	31	31	29					225*
3					29	30	30	29					173*
4					26	23	20	16					206*
5					13								313*
6													
7													
8													
9							231	250					
10					260	264	269	273					204*
11					274	276	283	296					240*
12							296	291					
13					293	298	301	306					261*
14					306	304	293	274					217*
15					248	204	191	183					198*
16					173			156					
17					147	137	101	89					
18					80	77	73	66					222*
19					59	52	48	46					
20					43	42	42	41					
21					42	41	43	48					
22					48	43	46	46					
23					43	43	48	56					

4.860E 14 CONTENT PER DEGREE 6.250E 14
-97 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 22 NOV 1[illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	104	100	102	100	61	56	58	57	42	44	44	43	
1	93	93	91	88	49	48	46	40	43	45	45	48	
2	85	82	81	80	35	31	27	24	50	52	54	56	
3	79	78	78	78	23	21	18	16	56	58	60	62	
4	78	77	78	78	15	14	16	16	63	63	63	62	
5	78	78	79	79	17	18	18	18	61	61	61	62	
6	79	81	84	91	19	23	29	41	60	58	55	50	
7	104	120	143	164	57	77	90	111	47	43	53	53	339
8	183	205		245	138	153	168	185	45	52		60	263
9	254	264	274	285	199	217	247	262	55	47	27	23	267
10	305	322	340	365	279	299	313	338	25	23	27	27	244
11	385	411	421	429	363	375	384	404	22	36	38	25	279
12	434	437	443	444	413	418	423	425	21	19	20	19	250
13	445	445	447	447	426	423	424	423	19	22	23	24	239
14	446	441	433	429	424	421	413	408	21	20	21	21	244
15	425	388	356	299	385	379	350	301	38	10	6	-2	197
16	261		179	152	263	199	174	152	-2		6	0	171
17	137	123	109	96	141	124	94	84	-4	-1	16	11	207
18	88	82	79	76	77	70	60	51	11	12	19	25	227
19	76	78	80	82	44	41	39	38	33	37	41	45	307
20	83	84	84	84	36	35	34	34	47	49	50	50	889
21	84	84	85	86	34	34	35	35	50	50	50	51	[illegible]
22	88	88	89	90	38	38	39	41	50	50	50	49	552
23	90	91	91	90	41	44	43	41	49	47	48	49	403

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 23 NOV 1977
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. Km.
0	88	88	87	87	39	38	36	35	49	50	51	52	398
1	87	87	86	85	35	35	34	33	52	52	52	53	436
2	84	83	83	83	31	29	29	28	53	54	54	56	496
3	82	81	80	81	26	22	16	13	57	59	64	68	411
4	81	82	84	84	11	11	11	11	70	72	78	73	2889
5	82	81	81		11	11	13		71	70	69		1834
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 27 NOV 1...
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9			284	308		210	254	277			31	31	
10	332	353	376	389	302	313	344	367	30	40	32	22	231
11		417	424	433	379	392	403	416		26	21	17	258*
12		453	466	460		449	474	468		4	-8	-8	
13	451	440	433	429	449	428	397	414	3	12	36	15	235
14	424				403	392	382	378	21				240
15	376	358	325	285	368	353	313	294	8	6	12	-9	174
16	259	249		191	258	216	199	183	1	33		9	199
17	149	122	100	87	149	121	88	80	0	1	12	7	139
18	81	78	76	75	71	63	55	48	11	16	21	27	277
19	74	74	74	73	44	41	39	38	31	33	35	35	465
20	75	76	78	80	39	39	41	43	37	37	37	37	648
21	81	83	85	86	43	42	43	43	38	41	43	43	453
22	87	86	86	87	39	40	41	42	48	46	45	45	460
23	90	90	91	93	51	51	54	55	39	39	37	38	387

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
-97 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 28 NOV 1977

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	94	98	101	100	56	60	64	64	38	38	36	36	242
1	101	99	95	91	64	63	56	48	36	36	39	43	259
2	87	85	82	80	41	36	31	26	46	49	52	54	324
3	79	77	77	77	23	19	16	14	56	58	61	63	466
4	77	77	77	77	14	13	15	15	64	64	62	62	1258
5	77	77	78	78	15	15	16	17	62	62	62	61	1397
6	79	81	8[illegible]	90	21	24	31	43	59	57	52	47	1184
7	103	126	15[illegible]	174	63	78	89	128	39	48	61	46	366
8	200	243	253	273	150	176	196	215	50	67	57	58	312
9	297	326	362		260	285	309		37	41	53		265
10													
11													
12				602			549	577				25	
13	620	631	635	627	614	630	636	632	5	1	-1	-4	332
14	619	603		541	621	596	551	530	-3	8		11	228
15	512	469	449	426	511	482	444	414	1	-13	4	12	219
16	354	289	248	191	366	296	227	183	-11	-7	21	8	164
17	161	137	115	99	156	141	102	85	5	-4	13	14	201
18	88	81	78	76	77	68	59	51	11	14	19	26	276
19	75	74	74	74	46	43	39	38	29	32	35	36	532
20	74	74	75	76	38	38	36	37	37	37	39	39	686
21	77	77	78	80	38	34	33	33	40	44	45	48	801
22	81	76	76	75	33	31	30	26	49	46	46	50	811
23	75	75	75	76	24	21	19	18	52	54	57	59	903

4.860E 14 CONTENT PER DEGREE 6.250E 14
-97 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

	TOTAL				FARADAY				PLÄSTKOMPASS				U.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	MT.
0					24	25	22	19					
1					21	23	21	19					
2					19	20	20	19					
3					19	21	21	19					
4					20	20	18	16					
5					15	16	16	16					
6					19			36					
7					49	64	77	84					
8							118	140					
9					153	171	188	198					
10					211	241	269	281					
11					300		319	329					
12					328	342	349	370					
13					383	409	423	439					
14					468	477	444	403					
15					406	381	361	317					
16					303	288	263	256					
17					248	210	192	186					
18					175	172	178	183					
19					192	194	190	197					
20					249	309	376						
21													
22						407	390	319					
23						304	268	241					

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

ATS-3:PALEHUA ELECTRON CONTENT
10**15 E M**3

	TOTAL				FARADAY				PLASMASPHERE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	PR.
0					207	200	199	196					
1						193	191	188					
2					181	173	169	161					
3					156	152	148	149					
4					155	156	147	142					
5					148	152	154	154					
6						146	157	179					
7					196	201	197						
8								144					
9					160	183	207	254					
10					297	311	319	328					
11					351	369	360	322					
12					294	264	221	193					
13					187	179	173	167					
14					169	167	161	155					
15					151	146	146	140					
16					155	164	178	185					
17					191	193	191	186					
18					176	153	129	89					
19					79	71	64	61					
20					59	57	54	51					
21					45	40	36	33					
22					31	29	26	24					
23					23	22	21	22					

4.850E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON PARAMETRIC

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	[illegible] 00	15	30	45	[illegible]
0					23	24	24	24					[illegible]
1					24	24	24	24					[illegible]
2					23	23	23	22					199+
3					21	21	21	18					180+
4					14	10	8	7					[illegible]
5					5	5	4	6					90+
6						15	28	36					
7					50	68	84	88					[illegible]
8					96	113	133	144					474+
9					153	162	171	184					[illegible]
10					199	213	239	257					[illegible]
11					274	300	309	328					[illegible]
12					353	365	375	386					[illegible]
13					487	439	478	491					[illegible]
14					503	511	506	496					[illegible]
15					435	368	315	292					[illegible]
16					254	203	189	169					[illegible]
17					149	133	98	85					[illegible]
18					78	69	61	56					
19					54	55	56	56					
20					56	58	58	58					
21					51	51	44	34					[illegible]
22					35	32	29	28					[illegible]
23					26	25	24	22					[illegible]

4.0[illegible]E 14 [illegible]ONTENT PER [illegible]ASEL 5.2[illegible]E 14 [illegible]CISE [illegible]

263 ZERO CONTENT ANGLE 45

ARC-SCALE[illegible]

ELECTRON Contour
10**15 E M**3

	TOTAL				FARADAY				PLASMA-PAUSE				J.T
HST	00	15	30	45	00	15	30	45	00	15	30	45	
0					21	19	18	18					[illegible]
1					18	18	18	18					[illegible]
2					18	19	19	20					19*+
3					23	26	24	21					[illegible]
4					24	31	40	49					191+
5					56	46	57	53					
6					55	51	49	56					
7					73								
8													
9													
10													
11													
12													
13					298	304	313	326					305=
14					329	319	311	301					[illegible]
15					286	272	251	223					207+
16					211	199	191	183					[illegible]
17					162	146	137	112					[illegible]
18					90	84	79	78					119+
19					76	76	75	74					[illegible]
20					73	73	73	75					[illegible]
21					76	76	74	71					[illegible]
22					68	66	64	59					[illegible]
23					57	46	39	34					171+

4.800E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FRONT

[illegible] PETROLEUM — ELECTRON CONTENT 10**16 ELECTRONS/M**3 — [illegible]

	TOTAL				FARADAY				PLASMASPHERE				S/C
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	85	84	84	84	33	33	32	31	52	52	52	53	[illegible]
1	85	86	86	85	33	33	34	33	53	53	52	52	475
2	84	85	84	84	33	31	31	26	52	54	53	58	486
3	83	87	92		21	16	12	9	62	71	80		829
4	101	95	98	100	9	9	7	6	91	86	91	94	[illegible]
5	98	102	102	98	6	3	5	8	92	99	97	90	[illegible]
6					18								[illegible]
7													
8													
9													
10													
11	425	438	452	470	374	394	414	423	52	44	38	47	[illegible]
12	488	486	497	486	432	429	439	429	57	56	58	57	[illegible]
13	482	481	464	444	429	430	421	409	53	51	44	[illegible]	[illegible]
14	434	423		357	396	376	331	304	38	48		[illegible]	[illegible]
15	326	309	292	268	285	270	261	219	41	39	31	[illegible]	[illegible]
16	252	246		199	196	184	166	151	57	63		[illegible]	[illegible]
17	184	172	151	142	139	109	91	84	45	63	[illegible]	58	[illegible]
18	133	121	114	109	79	74	68	64	53	47	46	46	[illegible]
19	105	104	101	97	60	57	53	48	45	47	47	[illegible]	[illegible]
20	94	94	94	94	46	44	44	46	48	49	50	[illegible]	[illegible]
21	93	93	92	90	46	46	45	44	47	47	47	[illegible]	[illegible]
22	87	84	83	82	40	36	34	33	[illegible]	[illegible]	49	[illegible]	[illegible]
23	80	79	80	80	29	27	26	28	51	52	54	[illegible]	[illegible]

4.868E 14 CONTENT PER DEGREE 6.[illegible]E 14
263 ZERO CONTENT ANGLE 43

[illegible] ON [illegible]

AT : 6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 [illegible]

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	79	79	80	81	27	26	24	24	52	53	56	57	915
1	81	81	81	85	25	26	24	31	56	55	57	54	869
2	87	85	83	85	35	31	29	31	52	54	54	54	878
3	85	84	84	83	33	31	31	28	53	53	53	56	449
4	80	80	81	81	24	19	17	15	56	61	64	66	700
5	81	78	78	78	14	12	12	13	67	66	66	65	1536
6													
7													
8													
9													
10													
11													
12	434	460	479	503	411		429	464	23		50	39	274
13	525	528	538	521	484	490	502	488	42	38	36	34	235
14	475	431	384	354	433	399	346	305	42	32	38	49	206
15	318	285	257	243	283	255	207	187	36	30	50	57	248
16		187	167	155	160	139	114	98		48	53	58	195*
17	146	139	131	124	91	86	83	79	55	52	48	45	337
18	115	104	97	92	73	64	54	48	42	41	42	44	307
19	91	91	91	92	45	44	43	45	46	47	48	47	720
20	93	93	95	97	46	47	50	54	47	46	45	43	656
21	98	98	98	96	56	57	58	56	41	41	40	40	365
22	94	98	97	91	54	59	59	51	39	39	38	40	331
23	89	88	88	85	48	45	43	41	41	43	45	44	340

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

HST	TOTAL 00	15	30	45	PARABOLIC 00	15	30	45	PERPENDICULAR 30	15	00	45	... M.
0	84	82	83	82	39	36	34	32					
1	82	82	82	81	30	29	28	25	45	47	49	[illegible]	[illegible]
2	80	80	80	80	24	21	19	17	52	53	55	[illegible]	618
3	80	82	84	84	14	9	5	4	56	59	61	[illegible]	566
4	86	87	86	89	3	1	-1	-2	66	70	78	[illegible]	440
5	89	86	86	85	-3	-1	1	1	84	86	87	[illegible]	[illegible]
									91	87	85	84	1985
6	84	82	80	83	3	9	20	39	82	78	66	5.	1625
7	95	111	136	159	51	75	88	106	44	39	49	53	[illegible]
8	178	194			136	149	163	177	43	45			249
9	243	250	258	268	188	196	205	223	55	54	53	49	283
10	279	293	301	305	251	264	269	271	29	33	32	[illegible]	[illegible]
11	308	313	319	327	274	280	285	293	88	88	84	66	347
12	348	363			303	309	319	335	46	54			
13		422	431	439	358	373	390	402		48	41	37	[illegible]
14	447	449	436		413	412			34	37			[illegible]
15		425	419	348		386	367	303		69	53	43	258
16	290	260		196	208	205	179	149	30	55		[illegible]	[illegible]
17	178	166	157	147	134	109	96	89	45	56	61	52	319
18	138	131	125	119	85	80	80	74	53	51	45	43	438
19	114	109	104	97	72	69	62	54	43	41	42	42	389
20	93	92	92	91	52	50	50	50	41	42	42	41	345
21	91	89	87	87	47	47	44	42	44	44	43	44	[illegible]
22	86	84	83	82	43	40	40	36	44	44	43	46	[illegible]
23	80	79	82	78	30	28	24	23	18	21	50	51	[illegible]

4.869E 14 CONTENT PER [illegible] 4.[illegible]E 14
263 ZERO CONTENT ANGLE 49

[illegible]

[illegible] PALEHUA ELECTRON CONTENT 10**15 E M**-3 [illegible]

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	*M.
0	78	78	79	80	21	19	18	19	59	59	61	61	1103
1	81	81	81	81	20	19	19	19	61	62	62	62	929
2	80	81	81	81	21	23	23	23	60	58	58	58	658
3	82	82	82	82	24	23	24	24	58	59	58	58	515
4	82	82	82	82	24	24	26	26	58	58	57	56	395
5	83	83		83	26	26	25	24	57	57		59	715
6	81	81	81	88	23	24	29	35	58	57	52	53	[illegible]
7	95	110	128	142	53	73	83	91	42	37	45	51	[illegible]
8	164	185			115	140	153	173	49	45			280
9	247				190				57				[illegible]
10	306	328	347	361	267	290	304	309	39	38	43	52	235
11	367	367	357	340	313	312	308	299	54	55	49	40	213
12	330	330	331	330	292	291	291	289	38	39	40	41	259
13	335	356	379		293	304	314	328	42	52	65		260
14	412	416	418	421	359	360	366	370	52	56	53	51	[illegible]
15		375	347	311	344	315	301	269		60	46	41	[illegible]
16	267	247			219	192	180	169	48	55			355
17		191	177	168	151	141	125	108		50	52	60	[illegible]
18	153	141	132	122	92	84	79	73	61	58	53	49	[illegible]
19	114	110	108	107	68	64	63	60	46	46	46	47	603
20	106	109	114	118	60	64	69	72	46	46	45	46	[illegible]
21	119	121	124	122	74	76	79	79	45	45	45	[illegible]	[illegible]
22	115	104	99	95	76	69	65	60	39	35	34	[illegible]	[illegible]
23	92	91	89	90	54	52	51	51	37	39	38	[illegible]	[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON [illegible]
263 ZERO CONTENT ANGLE 49

[illegible] G:PALEHUA [illegible]

	TOTAL				FARADAY				PLASMASPHERE				[illegible]
HST	00	15	30	45	00	15	30	45	00	15	30	45	[illegible]
0	91	93	90	87	50	51	46	41	41	42	44	46	[illegible]
1	86	84	83	82	38	34	32	29	49	50	51	53	[illegible]
2	81	81	81	82	26	23	21	23	56	58	60	60	1213
3	82	83	84	83	24	26	29	28	58	57	55	[illegible]	[illegible]
4	82	81	81	81	26	24	24	23	57	57	57	58	[illegible]
5	81	81	81	82	23	24	24	28	58	57	57	55	1213
6	85	89	97	114	32	37	48	73	53	52	49	41	[illegible]
7	144	180			89	123			56	57			310
8													
9													
10													
11													
12													
13				736			671	669				67	
14	731	694	651	601	661	642	612	541	70	53	[illegible]	[illegible]	[illegible]
15	[illegible]	524	474	432	512	478	425	391	[illegible]	47	49	41	[illegible]
16	[illegible]	362	315	273	347	303	268	226	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	251	244			193	175	161	151	59	69			[illegible]
18	196	198	187	191	145	138	130	130	41	59	[illegible]	[illegible]	[illegible]
19	190	185	174	174	138	144	142	144	52	[illegible]	[illegible]	[illegible]	[illegible]
20	174	184	181	178	146	139	128	120	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	169	155	148	119	100	91	80	75	74	64	[illegible]	[illegible]	[illegible]
22	99	86	79	80	61	46	37	36	67	63	[illegible]	[illegible]	[illegible]
23	76	75	76	76	24	23	23	22	52	53	[illegible]	[illegible]	[illegible]

4.860E 14 CONTENT PER [illegible] 6.250E 14 [illegible]
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 12 DEC 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T L.M.
0	79	79	79	81	20	18	18	18	59	62	61	64	[illegible]
1	80	80	81		17	18	18	19	63	63	64		1199
2	80	82	81	82	19	19	18	16	61	63	64	66	850
3	84	83	83	85	14	12	9	8	70	71	74	78	[illegible]
4	86	90	90	89	5	3	2	1	81	87	88	88	2766
5	90	91	91	91	1	1	3	4	89	90	88	87	
6													
7													
8													
9		545		603		538	576	605		7		-2	
10	624	657	694	720	636	655	704	723	-12	2	-10	-3	324
11				774	738	729	754	763				11	241
12	783	800	816	801	773	818	831	817	10	-18	-15	-15	215
13	796	789	797	793	809	786	703	588	-14	3	93	205	846
14	775		511	463	539	517	479	422	236		32	41	217
15	425	368	336	306	383	337	297	271	42	31	39	35	
16	278	257	246		252	206	192	178	27	51	55		249
17	199	173	154	139	150	118	91	84	49	54	63	55	194
18	127	115	107	103	78	73	68	62	49	43	40	41	339
19	99	97	95	94	59	56	54	53	39	40	40	41	531
20	94	95	94	93	52	55	53	51	42	40	41	42	663
21	94	94	92	91	53	52	49	48	41	42	42	43	824
22	91	92	91	85	47	48	47	38	44	44	44	43	939
23	85	83	85	90	36	36	39	46	49	47	46	44	

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-E:FALEHUA ELECTRON CONTENT 10**15 E.M**3 1s DEC. 1974

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	90	89	88	86	46	41	39	37	44	48	49	49	336
1	86	82	81	81	34	30	26	21	52	52	56	61	307
2	80	82	83	82	15	11	8	6	65	72	75	77	
3	82		82	80	6	8	11	13	77		71	67	1834
4	83	83	83	84	9	9	11	13	74	74	72	72	
5	83	84	83	82	11	10	9	9	72	74	74	72	1363
6	82	83	85	97	12	21	31	49	70	62	54	48	
7	116	145	177		73	88	121	146	44	58	57		
8		249	255	262	174	191	198	203		58	57	59	218*
9	275	285	289	286	222	246	251	249	53	40	39	38	216
10	288	298	310	325	248	256	264	278	40	42	45	47	236
11	342	346	351		294	296	300	301	47	49	51		268
12	357	370			306	314	327	366	52	56			312
13	420	430	437	442	378	395	399	406	43	35	38	36	393
14	448	456	482	503	412	424	439	482	36	32	43	21	299
15	525	525	510	471	488	482	438	411	38	43	72	60	266
16	442												293
17													
18													
19													
20													
21													
22													
23			85	84			41	38			44	46	

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6 PALEHUA — ELECTRON CONTENT — 14 DEC 7[illegible]

10**15 E/M**2

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.
0	82	81	80	80	37	34	29	25	45	47	51	55	[illegible]
1	80	80	80	80	24	23	23	23	56	58	57	57	[illegible]
2	81	81	81	81	24	24	24	25	57	57	57	56	[illegible]
3	81	82		81	24	24	24	26	57	58		55	[illegible]
4	81	82	81	83	24	19	16	15	57	63	65	68	[illegible]
5	80	83	82	82	14	15	14	15	66	68	68	67	1402
6	81	82	85	91	16	20	25	35	65	62	60	56	1[illegible]
7	102	124	146	169	52	74	87	106	50	50	59	62	[illegible]
8			248	265	142	165	189	203			60	62	2356*
9	281	301	320	338	230	256	272	291	51	45	48	47	2356
10	351	358	355	349	302	305	304	301	50	53	51	48	[illegible]
11	330	295	272	260	287	258	227	201	43	38	45	59	1[illegible]60
12	252	254	260	275	193	193	198	219	60	62	62	55	[illegible]
13	295	328	357		260	286	304	326	35	42	53		[illegible]
14		426	433	431	365	379	394	390		47	39	41	[illegible]*
15	427	424		351	383	359	319	302	44	66		50	[illegible]
16	331	320	312	305	288	279	273	263	43	41	39	42	
17	275	254			241	198	182	158	33	56			[illegible]
18	187	161	145	129	139	96	86	79	48	65	60	50	[illegible]
19	118	109	104	102	74	68	65	63	44	42	39	39	[illegible]
20	100	101	103	104	60	62	64	64	40	39	38	40	[illegible]
21	104	111	117	119	64	71	74	76	40	41	43	43	[illegible]
22	122		120	116	79	81	78	76	43		42	41	[illegible]
23	106	102	98	94	70	64	62	58	36	37	36	36	[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14

263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS 6 :PALEHUA ELECTRON CONTENT 15 DEC 1977
10°x15° 2.5 MeV

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	A.M.
0	92	89	90	90	54	50	48	49	37	39	42	41	277
1	90	89	88	87	46	43	42	41	44	46	46	46	287
2	87	87	86	86	41	41	40	38	46	46	46	49	297
3	85	84	82	86	38	36	35	34	48	48	47	52	304
4	86				32				54				431
5													
6													
7													
8													
9													
10													
11													
12			521				474	513			48		
13	601	627	679		541	603	639	696	60	24	40		287
14	770	776	777	776	731	739	742	739	39	37	35	37	251
15		717	644		707	676	616	529		41	28		207
16	495	436		342	461	394	356	297	34	36		45	215
17	294	252		191	261	200	177	146	33	52		45	231
18	157	130	113	102	104	83	74	66	53	47	39	36	
19	95	90	88	86	57	51	48	44	38	39	40	42	561
20	85	85	85	86	43	42	42	42	42	43	43	44	765
21	86	85	84	82	43	42	39	38	43	43	45	45	538
22	82	81	80	81	38	34	27	31	45	47	53	51	289
23	80	80	80	82	27	29	29	32	53	51	51	50	321

4.860E 14 CONTENT PER DEGREE 6.250E 14 SPEED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 10 DAY 1 ...

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	82	84	90		37	36	43	56	45	48	47		434
1		95	94	91	39	47	46	47		48	48	44	
2	89	87	87	86	40	36	34	31	49	51	53	55	279
3	86	86			29	26			57	60			
4													
5													
6				81				32				49	
7	88	102	122	142	44	63	78	91	44	38	44	52	398
8	165	181			116	146	161	183	49	35			331
9	254	268	289	308	197	219	255	268	57	48	34	40	243
10	319	322	327	331	274	278	283	286	46	44	45	45	245
11	336	342	341	335	290	294	292	289	46	47	49	45	253
12	333	346			288	296	312	333	45	50			350
13	423	436	449	469	369	386	404	421	54	50	45	48	302
14	508	528	536	530	449	478	486	483	59	50	50	48	
15	507	480	465	452	449	425	418	410	58	55	47	42	
16	438	430	424		393	378	366	348	45	52	58		307
17		369	339	298	318	306	285	259		63	54	39	
18	256			176	198	168	148	124	58			52	284
19	158	142	135	121	93	85	80	71	65	57	55	50	489
20	110	104	101	100	63	58	54	53	48	46	46	47	553
21	99	99	100	100	52	52	54	54	47	47	46	46	555
22	98	95	92	91	51	47	44	43	46	48	47	48	489
23	90	91	89	87	42	41	39	39	48	50	50	48	677

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	87	89	90	90	38	41	39	39	49	48	51	51	578
1	91	92	94	93	39	41	41	41	52	51	53	52	411
2	93	91	90	89	41	40	38	36	52	51	52	53	332
3	90	90	89	88	36	37	36	34	54	53	53	54	287
4	88	87	87	88	33	31	29	26	55	56	58	62	621
5	89	90	91	90	22	18	18	18	67	72	73	73	1216
6	85	84	82	87	19	23	28	38	66	61	54	49	1068
7	97				53				44				361
8													
9													
10	356			427	306	320	361	381	51			4.	[illegible]
11	437	450	473	501	396	410	424	453	41	40	49	49	516
12	519	529		531	478				40				279
13													
14	488	462	441		442				47				
15	427	419		352	387	369	343	309	40	50		43	
16	304	257	243	213	273	210	186	166	31	47	57	[illegible]	
17	197	186	174	164	149	143	131	113	47	43	44	51	
18	152	140	132	123	100	90	84	79	52	50	48	44	392
19	115	109	109	106	74	71	71	69	41	38	[illegible]	[illegible]	[illegible]
20	104	102	99	96	69	67	64	59	35	35	35	36	350
21	95	93	94	93	59	58	58	57	36	35	36	36	451
22	92	91	91	88	55	53	53	51	37	38	38	37	[illegible]
23	85	83	83	82	46	41	41	38	39	42	42	44	184

4.060E 14 CONTENT PER DECADE 6.250E 14 [illegible]
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT [illegible]
10**15 E/M**2

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	K.M.
0	80	80	82	83	36	37	33	32	45	43	49	51	4.1
1	85	86	86	86	31	33	35	37	54	54	51	49	[illegible]
2	87	87	89	90	38	37	37	35	49	50	52	55	[illegible]
3	92	94		95	33	30	29	18	59	64		77	313
4	94	95	95	94	16	13	4	9	78	82	96	85	[illegible]
5	96	95	93	92	7	8	9	14	89	87	84	77	[illegible]
6	91	88		86	18	21	27	33	73	67		54	[illegible]
7	90	104	118	136	44	64	80	90	46	39	38	46	387
8	147	166	178		101	124	138		46	41	40		268
9		242	256	267		189	204	223		52	52	44	
10	278	285	290	295	247	258	261	264	31	28	30	31	309
11	291	287	287	290	260	257	257	259	31	30	30	31	243
12	279	272	269	268	249	234	221	216	31	37	48	52	367
13	269	270	277	271	215	222	239	228	54	48	37	43	[illegible]
14	271	267	265	260	231	216	212	204	40	51	53	56	[illegible]
15	254	248			197	189	173	161	57	60			267
16	196	181	173	167	147	134	121	107	49	48	51	60	[illegible]
17	163	159	153	142	103	98	93	88	60	61	60	54	350
18	132	119	108	102	83	76	72	68	49	43	37	34	[illegible]
19	99	95	94	91	61	56	57	57	37	39	37	34	405
20	90	91	91	92	54	57	54	52	36	34	37	40	387
21	91	91	91	90	49	49	53	47	42	42	38	43	
22	90	90	91	89	47	48	49	45	43	42	42	44	397
23	86	84	84	84	39	34	31	29	47	50	53	55	282

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

	TOTAL				FARADAY				PLASMASPHERE				I.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.
0	91	91	92	93	37	34	33	33	54	57	59	60	1141
1	93	94	94	94	23	24	23	21	70	70	71	73	921
2	94	95	95	95	20	18	16	13	74	77	79	82	807
3	95	96	95	95	13	13	11	11	82	83	84	84	1049
4	95	95	95	95	9	11	13	13	86	84	82	82	1340
5	94	94	94	93	9	9	11	15	85	84	83	78	1539
6	91	90		89	18	23	27	34	73	67		55	1245
7	98	109	126	143	46	65	78	86	51	44	48	57	420
8	165	174			102	138	157		63	36			220
9	251	264	277	290	193	206	231	252	58	58	45	38	295
10	297	301	302	307	258	262	264	266	39	39	38	41	171
11	317	334	361		274	291	306	316	43	43	55		289
12		420	436	450	332	369	391	409		52	45	41	1107
13	479	486	513	529	425	431	470	488	54	56	43	41	1776
14	537	527	495	445	489	486	438	410	48	42	57	35	2555
15	416	362	316	272	363	305	274	222	53	57	42	50	1450
16	251	243		208	193	178	158	148	58	64		60	1077
17	201	195	189	179	141	137	131	120	59	58	58	59	1362
18	167	148	132	120	101	88	79	75	66	60	52	45	1021
19	111	106	104	104	68	63	61	59	44	43	44	45	1178
20	104	109	114	118	61	64	69	72	43	45	45	46	435
21	119	118	112	105	72	73	70	64	47	45	42	41	1
22	98	91	86	82	55	46	39	36	43	45	47	46	914
23	80	79	79	78	31	29	26	22	50	50	54	56	1453

4.960E 14 CONTENT PER [illegible] 5.250E 14 [illegible]

263 ZERO CONTENT ANGLE 99

ATS-6:PALEMON ELECTRON CONTENT
10**15 E/M**3 ... DEC 1974

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	MN.
0	77	78	79	80	19	15	10	4	58	63	69	76	1456
1	80		80	81	5	6	6	4	75		75	77	1139
2	82	83	85	87	7	3	-4	-4	75	80	89	91	1.56
3	89	92	100	104	-5	-6	-11	-11	94	98	110	115	..6_
4	110				-13				123				11[illegible]
5		104	97	93		-10	-8	1		114	104	92	
6	87	85	84	85	15	23	28	36	72	63	56	49	[illegible]0
7	90	100	113	125	48	65	76	83	42	35	37	42	[illegible]1
8	134	140	146	150	88	92	97	101	46	48	49	49	209
9	149				109				40				348
10					151	158	166	176					194+
11	256	253	252	253	184	186	188	189	72	67	64	64	305
12	251	253	261	266	190		200	208	61		61	58	430
13	270	275	283	295									887
14	309	319	321	307		291	294	281		29	27	26	453
15	289	278	255		264	251	204	180	25	26	51		241
16	202	183	172	168	147	128	110	104	55	55	62	63	461
17	159	146	137	125	96	88	84	75	63	58	53	50	235
18	112	106	102	99	67	60	57	52	45	46	45	47	401
19	97	97	98		50	49	49	49	47	47	48		888
20	97	96	99	97	48	46	46	46	49	50	53	51	1.43
21	100	100	98	95	48	48	45	41	52	52	53	54	956
22	92	90	89	90	36	33	29	24	56	57	60	66	2.3
23	89	87	87	88	21	21	22	23	68	66	65	65	

4.863E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

[illegible] [illegible]

[illegible]

	TOTAL				FARADAY				PLASMASPHERE				N. T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	T.M.
0	87	86	89	87	23	20	18	18	64	66	71	69	[illegible]
1					20	19	20	21					185*
2	91			86	21	21	20	18	70			68	809
3	87	87	88	87	16	19	19	23	71	68	69	64	963
4	87	88	88	89	23	24	24	29	64	64	64	60	436
5	91	91	90	91	33	34	32	31	58	57	58	60	373
6	90	90	92	95	31	32	34	39	59	58	57	56	
7	103	115	132	150	50	68	81	88	53	47	51	62	464
8	169	177			104	134	146	161	65	44			256
9		254	267	272	182	196	208	220		58	59	52	[illegible]
10	277	276	275	268	230	230	231	215	47	46	44	53	100
11	265	262	263	264	206	204	203	204	59	58	60	60	331
12	270	277	312	353	211	226	269	301	58	50	42	52	338
13		426	450	467	325	376	411	423		50	39	44	340*
14	486	508	506	504	433	464	466	460	53	44	40	44	[illegible]
15	488	454	420	357	444	418	374	305	45	36	46	52	191
16	292	254		206	254	198	168	148	38	57		58	[illegible]
17	190	182	169	155	134	121	98	89	56	62	71	66	[illegible]
18	140	127	114	104	81	74	66	57	60	53	49	47	161
19	100	95	92	92	51	45	42	40	49	50	50	52	[illegible]
20	91	91	91	92	39	38	38	39	52	53	53	53	[illegible]
21	93	91	91	92	39	36	38	38	54	55	53	54	[illegible]
22	93	96	97	95	41	42	46	41	52	54	51	54	[illegible]
23	90	89	89	89	36	31	28	27	54	58	61	62	[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 *[illegible]

263 ZERO CONTENT ANGLE 49

ATS 6:PALEHUA ELECTRON CONTENT [illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	88	92	91	92	27	23	22	28	6.	35	69	64	10.1
1	92	92	93	93	22	24	23	24	70	68	70	69	1063
2	94	94	95	98	26	26	31	36	68	68	64	61	706
3	98	103	100	98	36	48	42	43	61	55	58	55	934
4	95	96	97	93	39	37	45	33	56	59	52	60	
5	95	94	93	95	30	27	29	31	65	67	64	64	
6	96	94	94	95	29	26	26	29	67	68	68	65	
7	99				38	49			61				446
8	131	141	151	164	84	89	99	118	47	52	52	46	281
9					136	148	163	178					226*
10	249	253	264	277	189	196	207	233	60	57	57	44	184
11	292	301	296	291	257	271	271	261	35	30	25	30	151
12	285				246				39				339
13	290	304	313	327	254	261	271	291	36	43	42	36	373
14	342	356	361	343	300	308	311	304	42	48	50	39	263
15	313	282	262	249	288	259	228	202	25	24	34	47	214
16	243	202	172	153	189	166	143	121	53	36	29	32	217
17	137	126	114	104	97	88	83	78	40	38	31	27	207
18	98	91	86	84	72	64	58	54	26	27	29	30	330
19	84	84	86	87	51	48	46	45	33	37	40	42	489
20	88	88	90	91	44	43	44	44	44	45	46	47	757
21	92	88	86	84	45	45	44	39	47	43	42	45	999
22	82	80	78	78	35	31	29	28	47	49	49	50	1.2
23	78	77	75	77	27	24	18	20	51	54	58	57	670

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6 PALEHUA — ELECTRON CONTENT — [illegible]
10-15 SEP 73

	TOTAL				FARADAY				PLASMASPHERE				I.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	AM.
0	77	79	78	78	23	24	23	21	55	55	56	57	713
1	79	80	81	81	21	23	24	25	58	57	57	56	661
2	82	82	82	82	26	25	26	26	57	57	57	56	580
3	82	81	80	79	25	23	19	17	57	58	61	62	514
4	78	78	77	78	13	10	8	8	65	68	69	70	1560
5	78	78	79	80	6	7	9	11	72	71	70	69	1747
6	80	80	83		14	18	23		66	63	60		1450
7													
8													
9		239	260	270			204	218			56	52	
10	276	281	285	302	230	241	245	263	46	40	37	39	225
11	317	32	335	333	275	288	294	293	42	41	41	40	230
12	338	339	356	369	297	297	308	312	41	42	48	57	302
13	393	412	429	456	331	372	404	431	53	40	25	25	314
14	488	522	522	502	482	515	516	498	7	7	6	4	283
15	460	417	333	278	454	396	313	270	6	21	20	8	163
16	251	212	168	136	223	186	145	101	29	26	23	35	163
17	123	114	112	108	89	84	83	80	34	30	30	28	256
18	102	96	93	90	75	70	64	59	27	26	28	31	466
19	90	96	102	104	55	55	56	56	35	41	46	48	503
20	108	111	111	113	56	57	57	59	53	54	54	54	573
21	110	107	104	99	58	58	54	49	52	50	50	49	422
22	95	90	86	84	45	41	38	35	50	49	48	49	508
23	82	81	81	80	33	32	31	29	49	49	51	51	580

4.860E 14 CONTENT PER DEGREE 6.350E 14 *BASED ON FARADAY.
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT [illegible] DEC 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	81	83	82	84	26	26	27	26	55	57	55	58	805
1	83	85	91	88	26	26	26	27	57	59	65	61	825
2	88	90	88	90	26	27	28	29	62	63	60	61	707
3	90	92	94	98	28	26	21	14	62	66	73	83	587
4	99	99	99	100	13		14	14	86		85	85	1784
5	100	101	101	101	13	12	9	9	87	89	92	92	1251
6	100	95	95	99	11	16	23	29	88	79	72	69	1362
7	90	100	120	140	41	65	81	94	49	35	39	47	597
8	168			250	133	159	185	201	35			49	287
9	270	301	334	360	234	270	299	312	35	31	35	48	226
10	381	382	382	382	328	335	331	333	53	47	50	50	168
11	370	358	338	312	319	316	309	301	51	43	28	12	210
12	283	277	278	272	283	279	282	276	1	-3	-3	-4	250
13	274	273	284	301	277	279	296	304	-3	-7	-11	-3	217
14	294	278	261	248	301	289	264	233	-7	-11	-3	16	213
15		202	188	168	201	190	179	163		12	9	5	217*
16	140	122	109	105	141	123	98	94	0	-1	12	12	191
17	107	113	115	113	94	97	94	86	13	16	21	27	216
18	105	96	90	87	77	66	56	49	29	29	34	38	212
19	88	87	88	89	47	49	48	51	41	38	40	38	662
20	89	90	90	91	49	51	53	54	40	39	37	37	496
21	91	90	87	85	54	54	50	46	37	36	37	39	340
22	83	84	84	85	43	39	37	36	41	45	47	49	451
23	86	87	88	87	40	41	38	40	46	46	50	47	571

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 2 DEC 1975
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	K.M.
0	87	87	87	89	40	36	35	34	47	51	52	55	486
1	89	90	90	91	32	31	29	28	57	59	61	63	557
2	91	91	93	89	28	26	23	19	63	65	70	70	604
3	92	93	100		17	15	13	9	75	78	87		691
4		100	101	100	6	5	2	2		95	99	98	85*
5	100	101	101	100	2	0	2	1	98	101	99	99	3283
6	100	98	92		4	9	14	24	96	88	77		2494
7	86	96	115	141	37	59	79	94	49	36	36	48	538
8	166	188		244	131	151	178	196	35	37		48	293
9	258	277	291	315	209	250	264	284	49	27	27	31	241
10	329	354	362		297	309	315	325	32	45	47		230
11		417	427	445	355	373	393	413		43	35	32	212*
12	464		483	486	427		438	439	37		44	48	250
13	475	481	519	553	428	431	481	507	47	49	37	46	294
14	586	595	603	603	529	543	558	556	56	52	46	48	343
15	603	562	512	441	566	523	486	416	37	39	26	25	209
16	379	307	253		335	281	204	183	44	26	49		181
17	201	178	154	140	154	137	102	91	47	41	52	50	389
18	125	110	97	89	81	73	61	53	44	38	35	36	263
19	86	84	82	81	47	43	40	39	39	41	42	42	338
20	80	80	82	80	36	35	37	36	44	45	45	44	326
21		80	85	80	35	34	34	33		46	51	48	347*
22	80	81	81	82	32	30	29	29	48	51	52	53	400
23	82	84	85	85	28	28	27	27	54	57	58	58	435

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY.
263 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 28 DEC 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	84	80	84	85	26	25	24	26	58	55	60	59	728
1	84	83	83	85	26	26	28	30	58	57	55	55	594
2	84	85	86	88	30	29	26	23	54	56	60	65	962
3	92	100	104	107	20	18	10	4	72	82	94	104	970
4	111	113			0	-2			111	115			2405
5	109	109	109	110	-2	-3	-3	-3	111	112	112	113	3090
6	110	108	105	97	-1	1	6	18	112	107	100	79	3547
7	87	92	103	115	33	49	70	81	54	42	33	35	514
8			165	177			128	144			37	34	
9				271	162	189	206	243				28	2264
10	293	315	340	358	266	289	306	337	27	26	34	21	235
11	417	436	452	470	374	408		424	42	28		46	273
12	525		623	685	479	521	582	643	46		41	42	832
13	762	819	891	941	709	763	844	878	53	56	46	64	285
14	955	949	945	870	906	884	876	834	49	65	69	37	245
15	803	738	644	589	769	708	630	540	35	31	14	49	219
16	483	422	351	279	474	396	314	267	9	26	38	13	166
17	248				200				48				261
18													
19	95	98	95	93	74	69	66	61	21	28	29	32	310
20	91	91	90	90	58	56	57	57	33	35	33	33	730
21	92	90	86	83	60	57	51	45	32	33	35	38	
22	81	79	79	79	40	36	34	35	41	43	45	44	
23	81	82		83	34	31	29	28	47	52		55	939

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT [illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	*M.
0	84	86	87	87	26	26	24	24	58	60	63	63	973
1	87	88	88	89	26	26	26	25	61	62	62	64	803
2	89		90	87	28	34	32	32	61		58	55	591
3	92	98	101	104	33	34	33	28	59	63	68	75	542
4	104			105	25			19	79			86	1416
5	105	107	106	106	18	16	14	11	88	91	93	95	1576
6	106	106	103	98	12	14	18	28	95	93	84	70	2376
7	98				40	58	76		58				465
8	93	114	169	183		121	138	151		-6	31	33	180
9					170	191		253					237*
10	317	354		437	286	309	359	403	32	45		34	254
11	496	590	646	711	460	528	606	646	36	62	40	65	271
12	769	838		955	716	771		884	53	68		71	301
13	978	997	972	965	933	956	940	937	46	41	32	28	248
14	962	949	914	889	936	913	874	867	26	36	40	22	265
15	857	793	775	729	846	780	755	711	11	13	20	17	275
16	698	675	640	611	684	654	634	601	15	21	6	10	354
17	589	518	462	414	536	490	430	372	53	28	32	42	227
18				163									
19	143	130	120	115	89	83	79	78	55	47	41	38	394
20	110	104	100	96	75	71	67	64	35	32	33	32	361
21	94	90	87	86	61	56	51	48	33	34	36	38	484
22	85	86	85	85	46	45	44	42	39	41	41	43	419
23	83	88	88	88	41	41	40	39	42	47	48	49	491

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

*BASED ON FARADAY

ATS-6:PALEHUA ELECTRON CONTENT 30 DEC 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	87	86	87	88	37	36	36	36	50	50	51	52	941
1	89	90	92	89	38	38	37	35	51	52	55	54	383
2	89	94	97	103	31	26	21	16	58	68	76	86	240
3	103	104	102	98	13	13	13	12	89	91	89	86	2055
4	90		102	100	10	6	8	14	80		94	85	[illegible]
5	100	100	99	98	13	14	16	16	87	85	82	81	1251
6	95	92	87	84	16	19	23	30	79	73	64	54	1190
7	90	103	128	151	44	69	86	105	46	33	42	46	531
8	180			249	142	164	188	199	38			50	274
9	266		299	315	223	253	274	298	43		25	17	237
10	331			440	308	332	368	391	23			49	217
11	451	477	501	525	413	447	489	522	37	30	12	3	226
12	608	629	664	700	547	615	649	713	61	14	15	-13	281
13	781	791	798	803	746	761	774	797	35	29	24	6	276
14	806	808	805	798	811	813	808	781	-4	-4	-3	16	243
15	787		691	665	756	740	708	667	31		-17	-2	267
16	654	642	627	615	649	643	628	601	5	0	-1	14	235
17	527	469	337	263	534	469	438		-6	0	-101		153
18	166	132	115	[illegible]		93	80	74		39	35	33	176
19	104	102	100		70	67	63	59	34	35	37	39	450
20	97	97	98	102	56	56	58	62	40	41	40	40	642
21	102	104	104	101	66	69	70	69	35	35	34	32	363
22	101	100	97	97	64	62	59	57	37	38	37	40	315
23	97	99	99	100	57	58	58	58	40	41	41	42	378

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON FARADAY
263 ZERO CONTENT ANGLE 49

ATS-6:PALEMOA ELECTRON CONTENT 5. DEC 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	HM.
0	100	99	98	98	58	54	51	51	42	44	46	47	[illegible]
1	98	98	98	97	50	50	49	47	48	48	49	50	307
2	95	93	94	94	41	34	28	23	54	58	66	71	298
3	96	100	100	99	21	19	17	16	75	81	83	83	883
4	100	103	103	106	13	11	9	9	87	91	93	97	1802
5	109	110	104	101	6	4	4	6	103	107	99	94	2737
6		97	93	92	8	12	18	29		85	75	62	166*
7	97	106	126	141	45	70	89	123	52	36	37	19	437
8	155				144	154			11				210
9													
10													
11													
12													
13	820	873	962	978		852	891	938		21	71	41	[illegible]
14	989	1003	991	962	961	978	970	924	28	25	21	38	250
15	862	802	698	634	855	766		611	7	36		23	[illegible]
16	602	491	444	347	529	479	405	351	73	12	39	[illegible]	[illegible]
17	320	285	262		295	256	199	166	25	29	63		618
18	162	145	132	122	138	101	86	78	24	45	45	44	[illegible]
19	114	109	104	101	70	65	58	53	44	44	47	47	[illegible]
20	99	100	100	100	49	49	50	49	50	51	50	50	[illegible]
21	100	100	100	97	49	48	47	43	50	52	53	[illegible]	[illegible]
22	94	92	91	90	39	34	33	33	54	57	58	57	551
23	90	91	91	90	31	31	31	29	59	60	60	61	[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 *BASED ON [illegible]
263 ZERO CONTENT ANGLE 49

PLASMASPHERIC, FARADAY,

AND

TOTAL ELECTRON CONTENTS

TABLES - 1978

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ATLAS OF ELECTRON CONTENT DATA - 1978

This Atlas contains values of total Faraday and plasmaspheric electron contents of the ionosphere of a slant ray path from the geostationary satellite ATS-6 to Hawaii. A companion volume contains diurnal plots of these data.

The nominal position of ATS-6 during 1978 was 0°N, 140°W, at a geocentric radius of 42.2Mm. The receiver was located at the Palehua Solar Observatory (21.4°N, 158.1°W) on the island of Oahu. Sub-ionospheric points at several altitudes along the ray path are shown in Figure 1. The coordinates of the 400Km point are (20.0°N, 156.8°W).

Each dated page is based on Hawaiian time (HST = UT - 10), and thus contains data from UT = 10 of the date shown to UT = 10 of the day following the date shown. The total content was obtained from modulation-phase measurements using a Teledyne receiver and a student-built preamplifier. The Faraday content was deduced from polarization twist measured by Aldi Polarimeter, and assuming an effective layer height of 370 Km. The Plasmaspheric content is the difference (total - Faraday) of the above. The column at the far right is the equivalent slab thickness using Faraday content, Npeak from the Maui Ionosonde , and corrected to a vertical path.

My appreciation goes to the students who put in many hours of work on this project, especially Ginni Mannion for her dedicated efforts in compiling and editing these data. I gratefully acknowledge the assistance, valuable discussions and support from Jack Klobuchar and AFGL (#F19628-28-C-0050), Richard F. Donnely and S. Dave Bouwer of S.E.L. - N.O.A.A., and the National Science Foundation.

Thomas H. Roelofs
Professor of Electrical Engineering

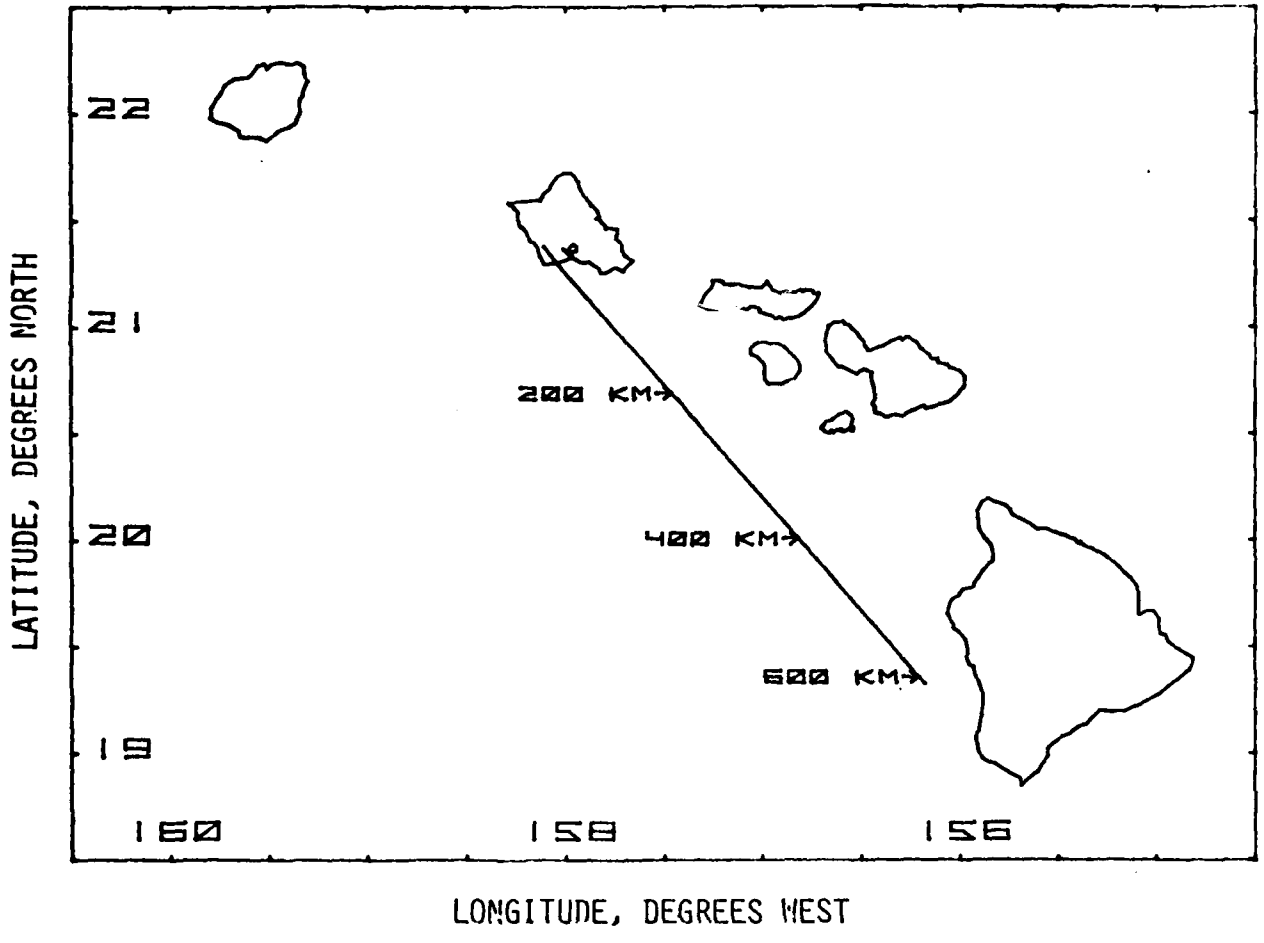


FIG. 1. Geographical Coordinates of sub-ionospheric points at several altitudes along the Palehua-ATS-6 ray path.

[illegible] CALENDAR ELECTRON CONTENT 10**15 E-M**3 1 Jan 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HR	00	15	30	45	00	15	30	45	00	15	30	45	HR.
0	90	91	91	91	28	26	26	27	62	65	65	64	279
1	91	92	92	91	28	28	29	29	62	63	63	62	[illegible]
2	94	94	94	93	29	28	26	22	65	66	68	70	160
3	95	95	96	97	20	18	16	16	75	77	79	81	248
4	97	98	102	103	18	11	10	13	79	87	92	89	322
5		104	100	97	17	22	25	29		83	75	68	178
6	97	97	96	102	33	36	39	46	64	61	57	55	.65
7	112	129	153		67	85	112	143	45	44	41		211
8		262	271	280	177	199	212	244		63	59	37	173
9	290	293	291	294	260	264	261	263	30	29	30	31	153
10	306	315	333		276	291	307	320	30	24	26		221
11	476	445	469	512	352	399	425	485	75	46	44	26	294
12	608	643	689	789	534	601	649	728	74	42	40	61	287
13	823	875	953	969	763	842	865	911	60	33	88	57	270
14	988	990	975	972	949	954	935	933	39	36	40	39	243
15	956	877	837	812	876	857	816	776	80	21	21	36	247
16	798	792	786	703	752	746	738	702	46	45	48	1	232
17	654	608	507	443	633	558	501	408	21	50	5	34	186
18	349	299	270	264	338	278	230	202	12	21	39	62	159
19	260	260	261	261	192	189	190	190	68	71	71	71	267
20	258			165	186	180	168	147	72			18	210
21	149	132	114	104	123	90	78	67	26	42	36	37	205
22	97	93	91	90	56	47	41	39	41	46	50	51	241
23	89	89	89	89	37	36	36	36	52	52	53	53	298

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 2 JAN 1978
10**15 E-M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	89	89	89	89	34	33	32	32	55	56	57	56	243
1	90	90	90	90	33	33	33	32	57	56	57	58	194
2	89	89	89	88	31	30	29	28	58	59	60	60	208
3	88	88	88	88	28	27	26	26	60	61	61	62	209
4	89	90	96	97	26	25	25	27	63	64	70	70	279
5	98	96	98	98	27	27	28	27	70	68	70	70	236
6	95	90	89	90	27	27	29	36	68	62	60	54	287
7	96	104	115	129	50	72	85	93	45	33	30	35	180
8	139	151	163		108	134	150	171	32	17	13		179
9	253	263	277	293	190	204	242	267	63	58	35	26	232
10	314	338		426	296	313	333	365	19	25		61	227
11	432	440	450	462	374	393	412	424	59	47	38	38	260
12	480	496	521		440	477	509	527	40	19	13		273
13	607	621	629	637	537	585	601	621	70	36	28	16	253
14	625	608	519	475	601	558	522	476	24	49	-3	-1	225
15	441	355	312	278	413	369	307	265	28	-14	6	12	208
16	258	253	176	167	215	193	181	161	43	61	-4	6	221
17	157	149	141	134	144	129	103	89	13	20	39	45	213
18	127	120	116	112	83	79	74	71	44	41	42	41	231
19	112	113	115	116	71	71	73	75	42	42	42	41	186
20		122	119	117	76	78	78	76		44	41	41	240
21	113	107	102	98	74	70	63	54	39	37	39	43	184
22	96	95	94	93	50	47	45	43	45	48	49	50	217
23	92	91	92	91	40	37	35	33	52	54	57	57	253

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 3 JAN 1[illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	I M.
0	91	91	91	91	32	31	29	26	58	60	62	65	315
1	91	91	92	92	25	24	23	22	66	67	68	70	[illegible]
2	92	92	92	92	20	18	17	17	72	74	74	[illegible]	[illegible]
3	92	92		92	18	18	18	18	74	74		74	200
4	93	92	92	92	20	19	18	17	73	73	74	75	[illegible]
5	92	92	92	96	17	15	14	13	75	76	78	83	238
6	100	100	94	90	13	15	21	31	87	85	73	59	259
7	98	109	133	152	45	75	91	131	53	34	42	21	185
8	166		260	270	155	182	201	218	11		59	52	171
9	279	293	299	299	250	269	274	274	30	24	25	24	156
10	296	294	310	344	270	266	285	314	26	28	24	30	177
11			774	823	407	536	683	766			91	57	257
12	867		955	961	821	833	863	868	46		92	93	290
13	973	991	1000	997	885	927	938	937	89	64	62	60	260
14	993	979	968	956	932	918	899	868	61	61	69	88	263
15		780		620	792	708	633	571		72		48	283
16	605	515	477	459	526	485	429	416	79	29	48	42	[illegible]
17	441	439	432		390	384	363	348	51	55	69		225
18	333	297	270	256	305	267	207	186	28	30	63	70	206
19	264	297	270	267	173	164	171	185	91	133	98	82	325
20	269	279	285	276	200	243	254	224	69	36	31	51	295
21	261		166	155	191	168	151	139	70		15	16	245
22	145	138	130	124	113	98	89	86	32	40	41	38	271
23	119	103	87	101	83	80	78	77	36	23	9	24	261

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO.CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 4 JAN 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					73	67	58	54					212
1					51	45	42	38					[illegible]
2					37	36	36	35					278
3					38	39	38	38					180
4					36	30	25	22					181
5					21	22	24	25					316
6					25	27	31	41					373
7					66	87	105	133					170
8					149	165	184	201					220
9					235	274	314	363					311
10					397	419	429	461					282
11					492	522	530	540					299
12					551	571	543	527					277
13					492		460	454					284
14					448	461	481	501					367
15					521	536	577	585					285
16					574	534	502	437					235
17					398	363							[illegible]
18						251	206	194					
19					187	179	169	157					247
20					147	148	151	152					259
21					158	154	153	140					247
22					107	90	83	80					256
23					76	71	68	63					321

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 5 JAN 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	M.M.
0					60	58	51	46					174
1					42	39	37	35					[illegible]
2					35	34	33	32					264
3					33	33	33	32					[illegible]
4					34	32	31	28					271
5					24	22	20	20					305
6					20	21	26	35					326
7					49	77	100	146					251
8					177	204	242	272					186
9					303	326	378	410					[illegible]
10					426	466	504	534					[illegible]
11					546	611	649	741					234
12					785	828	850	867					[illegible]
13					882	918	916	919					243
14					879	861	851	822					298
15					821	817	805	756					[illegible]
16					727	653	611	575					228
17					527	481	403	318					164
18					269	214	193	185					216
19					185	186	190	187					[illegible]
20					182	174	157	131					[illegible]
21					87	76	59	45					150
22					37	32	28	23					301
23					20	17	15	15					[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 6 JAN 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					16	18	19	22					214
1					25	26	26	26					234
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13						470	468	476					
14					472	467	443	426					243
15					416	413	413	416					249
16					412	406	381	356					197
17					300	250	187	148					199
18					118	88	81	74					201
19					70	67	66	66					314
20					64	64	64	64					251
21					63	59	53	50					245
22					46	42	40	38					251
23					37	35	35	33					258

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 JAN 1976

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					33	31	31	33					204
1					35	34	34	31					165
2					28	24	21	19					138
3					15	6		8					140
4					6	5	5	6					183
5					5	7	8	11					150
6					15	18	22	32					371
7					43	64	88	126					203
8					157	186	202	222					140
9					237	252	255	262					130
10					266	270	269	264					165
11					263	272	286	291					220
12					299	316	370	410					338
13					434	486	523	539					259
14					555	540	525	493					220
15					431	382	320	294					224
16					270	260	254	250					290
17					230	200	181	148					163
18					134	108	92	87					243
19					84	83	82	82					276
20					81	78	73	66					169
21					57	49	45	43					258
22					40	35	31	28					266
23					25	27	23	20					379

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 8 JAN 1976

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					20	30	23	25					215
1					28	31	30	29					197
2					28	26	22	19					149
3					15	16	16	16					191
4					15	17	18	17					229
5					14	12	12	10					233
6					14	17	22	34					245
7					50	77	98	144					239
8					169	200	226	261					191
9					274	293	314	330					187
10					342	333	328	326					[illegible]
11					319	320	343	373					245
12					386	415	504	524					303
13					556	585	608	623					256
14					615	598	547	498					221
15					424	372	309	268					203
16					233	197	189	182					218
17					168	150	138	104					185
18					87	78	73	68					169
19					64	64	65	67					[illegible]
20					71	74	77	79					155
21					79	76	73	66					[illegible]
22					59	51	44	42					192
23					42	42	39	37					276

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 9 JAN 1979

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.P. KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10							323	367					
11					402	426	482	514					259
12					527	530	527	530					274
13					536	547	582	598					269
14					604	610	609	604					280
15					588	570	552	539					277
16					528	509	478	427					240
17					384	331	295	253					206
18					197	178	158	147					223
19					139	134	140	145					333
20					145	145	148	148					323
21					134	91	79	71					198
22					62	54	48	45					294
23					44	42	42	43					257

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10 JAN 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	E.T. KM.
0					44	44	44	45					198
1					47	48	47	44					167
2					40	36	35	35					188
3					32	30	33	32					191
4					31	29	27	24					282
5					23	20	18	16					378
6					15	15	21	31					331
7					43	63	82	97					190
8					142	157	166	166					138
9					164	166	168	172					165
10					183	190	198	200					242
11					204	220	252	274					276
12					298	309	337	351					224
13					358	352	344	341					230
14					325	320	326	326					245
15					314	301	286	267					202
16					251	236	208	197					201
17					184	166	143	124					151
18					92	84	77	73					167
19					71	70	70	68					330
20					69	69	65	59					441
21					50	45	40	36					227
22					34	33	33	31					336
23					32	33	32	32					273

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 11 JAN 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	KM.
0					33	34	33	33					204
1					32	32	34	32					[illegible]
2					34	29	28	26					170
3					24	21	22	19					[illegible]
4					20	19	17	15					397
5					16	15	15	14					403
6					15	17	17	26					410
7					37	60	85	108					195
8					153	186	205	251					192
9					283	312	363	407					202
10					441	506	539	585					241
11					636	718	760	817					228
12					836	860	873	885					269
13					885	903	889	878					270
14					867	858	850	823					279
15					775	742	718	686					256
16													
17							200	157					
18					115	83	74	67					165
19					59	53	50	47					330
20					46	44	43	40					286
21					37	33	29	24					229
22					21	21	19	12					166
23					15	12	22	19					212

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS 6:PALEMBA ELECTRON CONTENT 12 JAN 19??
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	L.M.
0					24	31	31	30					169
1					39	35	36	34					159
2					30	26	19	17					148
3													
4													
5													
6													
7					34	50	74	87					188
8					100	129	144	152					136
9					162	178	190	198					188
10					201	215	260	290					251
11					306	318	365	397					285
12					422	483	525	548					248
13					598	634	653	680					234
14					683								235
15						495	433	399					
16					355	304	268	237					268
17					194	164	135	92					162
18					81	74	65	58					[illegible]
19					53	50	50	49					[illegible]
20					51	53	54	55					341
21					54	52	48	44					293
22					40	37	36	34					286
23					32	32	30	29					299

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRELTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEMON ELECTRON CONTENT 15 JAN 19..
30°-15° E 11°-3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0					29	26	21	21					267
1					27	29	31	31					178
2					31	28	26	25					193
3					24	22	22	22					134
4					21	18	13	12					195
5					9	8	6	6					222
6					9	13	15	25					258
7					38								209
8						145	159	178					
9					195	208	238	263					220
10					284	311	340	385					242
11					409	428	449	484					232
12					484	502							232
13						521	516	515					
14					513	507	493	478					276
15					460	422	410	368					239
16					311	275	248	205					220
17					190	169	141	100					159
18					83	72	61	50					147
19					43	39	37	36					345
20					36	35	36	36					450
21					37	37	39	40					248
22					39	36	34	33					275
23					35	33	31	24					322

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

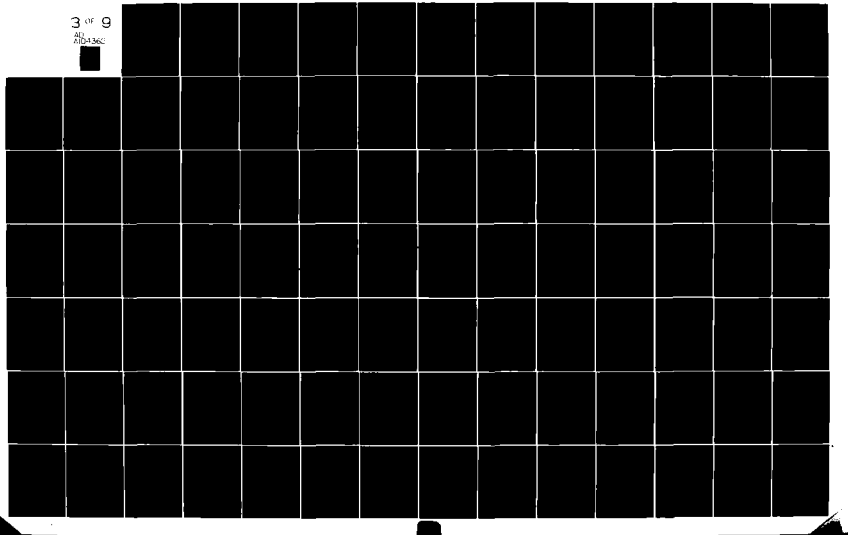
ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 14 JAN 1978

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					35	33	47	63					208
1					70	69	44	48					
2					59	69	71	65					147
3					51	39	29	17					107
4													
5													
6													
7					31	45	69	86					216
8					100	139	157	176					156
9					195	211	254	272					174
10					299	328	371	403					216
11					426	465	495	534					233
12					602								243
13					813	824	820	847					[illegible]
14					830	828	778	763					223
15					696	619	519	425					224
16					359	280	235	193					196
17					164	137	101	84					169
18					74	66	58	49					185
19					44	41	40	40					275
20					40	40	40	41					340.
21					39	37	34	30					186
22					28	26	23	19					256
23					17	19	17	17					260

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

AD-A104 362 HAWAII UNIV HONOLULU F/G 4/1
PLASMASPHERIC, FARADAY AND TOTAL ELECTRON CONTENTS, 1977 AND 19--ETC(U)
DEC 80 T H HOELOFS F19628-78-C-0050
UNCLASSIFIED AFGL-TR-81-0143 NL

3 OF 9
AD A104362



ATS-6:PALEHUA ELECTRON CONTENT IONOSPHERIC

10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERIC 00	PLASMASPHERIC 15	PLASMASPHERIC 30	PLASMASPHERIC 45	KM.
0					20	23	16	20					181
1					21	21	19	20					210
2					25	15	8	17					226
3					20	16	11	14					131
4					12	10	12	13					393
5					10	18	19	21					131
6					19	18	20	26					337
7					33	43	60	75					195
8					88	105	136	146					155
9					155	169	184	193					171
10					199	194	194	198					141
11					207	244	251	279					253
12					309	370	420	494					258
13					571	639	689	720					223
14					724	737	731	735					233
15					724	714	688	622					205
16					566	477	384	306					166
17					254	194	158	137					158
18					108	86	77	69					211
19					64	61	57	54					321
20					51	49	49	48					286
21					48	49	46	42					196
22					38	33	29	26					210
23					24	21	21	22					324

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 16 JAN 1975

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. NM.
0					20	18	17	18					293
1					19	21	22	23					[illegible]
2					25	25	25	24					173
3					23	21	18	17					152
4					15	14	14	14					370
5					14	14	15	15					456
6					17								434
7													
8						87	91	100					
9					122	140	147	156					222
10					175	192	205	246					329
11					271	297	312	340					348
12					383	421	472	508					295
13					531	548	585	576					214
14					548	514	485	450					[illegible]
15					413	389	371	357					256
16					319	297	273	252					231
17					236	203	190	179					[illegible]
18					160	142	106	84					131
19					76	68	60	57					[illegible]
20					56	57	60	62					[illegible]
21					64	65	64	58					251
22					52	47	41	36					[illegible]
23					34	32	31	29					311

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO.CONTENT ANGLE 49 SAT. LATITUDE

ATS 3:PALEHUA ELECTRON CONTENT 10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S/C km.
0					29	28	25	24					[illegible]
1					25	26	27	30					313
2					32	32	32	32					[illegible]
3					32	30	29	30					355
4					29	28	27	27					433
5					26	26	26	26					480
6					27	28							410
7													
8						153	167	178					
9					186	190	182	206					[illegible]
10					236	259	271	281					221
11					294	301	306	310					[illegible]
12					320	361	375	375					232
13					387	411	407	427					236
14					427	422	418	380					193
15					313	289	250	196					177
16					186	181	181	177					[illegible]
17													
18								74					
19					68	62	59	56					376
20					56	58	59	59					352
21					58	56	54	51					303
22					50	48	48	48					296
23					49	47	45	43					244

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO.CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 18 JAN 1975
10**15 E M**2

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					38	38	35	35					241
1					34	34	34	34					215
2					33	30	27	25					[illegible]
3					22	19	20	18					259
4					17	12	10	11					302
5					12	15	18	21					211
6					22	25	29	34					325
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18								30					
19					55	52	50	49					[illegible]
20					51	52	54	54					268
21					54	53	50	46					[illegible]
22					41	38	32	28					168
23					17	17	19	17					161

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					12	9	10	12					120
1					14	18	21	22					195
2					26	28	32	32					[illegible]
3					30	28	25	23					198
4													
5													
6													
7													
8													
9					89	92	100	138					80
10					165	185	194	199					114
11					221	263	287	301					145
12					301	317	364	377					183
13					388	399	407	414					216
14					424	430	427	416					184
15					403	379	355	311					169
16					298	276	250	203					155
17					187	153							97
18							71	62					
19					56	52	50	50					331
20					51	55	59	61					232
21					64	65	69	62					165
22					53	50	45	40					141
23					36	35	36	37					161

4.8[illegible]E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 20 JAN 1975
10**15 E-M**2

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	I.P. KM.
0					37	36	42	44					304
1					46	47	45	41					156
2					35	27	19	15					142
3					13	15	13	11					175
4					10	11	7	2					170
5					-2	0	0	0					
6					-2	1	7	18					
7					32	46	67	80					244
8					88	98	134	150					177
9					159	166	171	175					175
10					175	178	182	188					214
11					193	202	207	228					213
12					241	250	259	267					247
13					276	285	284	286					231
14					286	287	270	251					224
15					208	190	180	165					203
16					155	150	148	151					257
17					150	145	132	95					193
18					81	71	63	55					162
19					48	46	45	44					219
20					45	45	47	45					216
21					44	43	41	42					202
22					38	38	41	41					171
23					38	35	32	26					170

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO.CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 21 JAN 1976
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. MN.
0					22	23	22	12					250
1					17	18	19	21					171
2					24	22	18	17					221
3					17	17	15	12					171
4					12	14	4	1					189
5					4	8	6	6					67
6					8	15	17	25					135
7					34	48	67	81					199
8					88	96	120	139					165
9					148	157	166	173					181
10					180	187	191	199					204
11					206	225	240	254					211
12					254	262	261	264					217
13					260	261	253	234					213
14					205	194	189	185					193
15					179	160	147	139					171
16					137	135	126	121					249
17					118	124	121	110					235
18					99	87	84	76					180
19					68	59	53	49					232
20					47	46	48	52					363
21					56	65	66	63					210
22					56	52	48	42					163
23					38	36	36	33					213

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 22 JAN 1975
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					31	29	28	29					204
1					29	28	28	25					192
2					21	16	11	9					176
3					8	8	8	8					152
4					8	4	9	10					153
5					12	11	14	14					222
6					14	15	17	23					256
7					32	54	72	85					244
8					93	124							194
9							315	331					
10					353	367	374	371					266
11					361	344	316	308					268
12							208	237					
13					237	208							212
14							191	185					
15					172	159	153	146					247
16					142	139	138	134					206
17					127	113	96	89					212
18					82	75	68	63					159
19					58	55	52	50					206
20					50	50	52	55					255
21					58	60	57	53					238
22					53	39	35	32					147
23					31	31	29	27					203

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO.CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 23 JAN [illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					29	27	22	25					399
1					24	25	26	25					196
2					25	25	24	25					[illegible]
3					26	25	24	19					210
4					18	15	17	16					325
5					16	18	19	20					359
6					20	22	26	31					359
7					39	55	74	85					257
8					93	107	138	151					169
9					161	170	179	188					201
10					196	201	211	249					[illegible]
11					265	285	299	305					292
12					310	315	314	312					259
13					310	310	308	305					254
14					297	283	264	247					248
15					208	194	182	168					199
16					157	145	134	119					197
17					99	93	88	82					186
18					76	71	65	58					230
19					56	55	56	56					[illegible]
20					55	58	61	66					308
21					67	72	69	59					161
22					50	42	38	34					180
23					33	33	31	30					280

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 24 APR 1979
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	..... KM.
0					30	29	28	28					256
1					29	29	28	26					304
2					27	28	27	25					[illegible]
3					23	19	15	12					197
4					8	8	6	6					[illegible]
5					5	5	6	7					105
6					8	11	15	23					221
7					34	53	77	90					[illegible]
8					110	142	160	185					[illegible]
9					198	212	250	266					[illegible]
10					280	288	281	274					[illegible]
11					277	285	295	305					[illegible]
12					324	373	402	419					271
13					436	483	513	526					[illegible]
14					531	533	524	492					[illegible]
15					430	391	338	299					[illegible]
16					264	203	182	160					[illegible]
17					141	119	91	83					[illegible]
18					79	74	70	64					[illegible]
19					59	57	57	57					[illegible]
20					58	62	67	71					[illegible]
21					62	63	67	64					[illegible]
22					54	41	33	30					[illegible]
23					31	30	30	30					[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED TMP
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					30	29	30	30					256
1					30	30	29	28					[illegible]
2					28	27	26	27					257
3					26	26	26	30					225
4					30	27	26	26					258
5					25	24	23	23					284
6					22	23	26	29					435
7					37	59	80	92					381
8					140	164	187	205					719
9					256	282	306	341					350
10					383	414	444	511					307
11					540	617	665	741					276
12					772	838	871	930					279
13					945	950	925	870					267
14					852	828	802	752					285
15					733	706	674	641					309
16					628	596	533	485					253
17					411	354	293	247					216
18					195	180	160	139					232
19					96	83	77	73					206
20					72	71	69	69					257
21					70	67	64	57					237
22					55	55	55	56					250
23					61	70	73	75					301

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA

ELECTRON CONTENT
10**15 E/M**3

26 JAN 1975

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. km.
0					76	78	79	78					
1					77	72	64	52					164
2					45	39	34	29					[illegible]
3					23	20	13	7					180
4					2								212
5													48
6							7	19					
7					32	54	81	99					
8					145	176	198	218					215
9					252	267	278	289					197
10					290	292	298	311					172
11					334	382	411	428					233
													247
12					483	524	550	593					
13					602	602	611	607					255
14					591	546	514	467					242
15					402	361	305	276					[illegible]
16					251	210	197	192					[illegible]
17					184	174	165	154					[illegible]
													[illegible]
18					144	117	89	82					
19					75	73	72	72					[illegible]
20					74	76	79	79					[illegible]
21					80	77	71	65					[illegible]
22					57	48	39	35					131
23					33	34	33	33					[illegible]
													151

4.860E 14 CONTENT PER DEGREE 6.250E 14
263 ZERO CONTENT ANGLE 49

CORRECTED FOR
SAT. LATITUDE

ATS 3 SATELLITE — ELECTRON CONTENT 10**15 E/M**3 — AT 136.1 MC

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	LAT. KM.
0					32	32	29	28					[illegible]
1					28	28	27	27					149
2					27	25	25	25					177
3					23	25	24	23					185
4					23	22	19	15					213
5					10	7	5	5					268
6					7	8	17	27					146
7					40	64	85	117					223
8					156	181	195	209					164
9					238								191
10													
11													
12													
13					653	684	652	645					248
14					633	602	553	521					263
15					481	423	400	367					268
16					323	305	298	285					[illegible]
17					259	222	187	159					173
18					136	93	84	76					200
19					72	69	69	67					294
20					66	64	62	63					215
21					67	66	62	60					228
22					54	44	39	39					283
23					39	40	42	45					217

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 28 JAN 1[illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				I.P.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					40	38	37	34					211
1					31	28	27	24					175
2					22	18	17	16					[illegible]
3					13	13	12	12					156
4					12	7	10	14					174
5					15	15	16	17					231
6					17	20	25	33					301
7								109					
8					144	167	195	217					201
9					257	288	311	338					206
10					379	409	427	478					[illegible]
11					512	554	645	738					275
12					782	811	829	847					389
13					852	842	852						278
14							929	922					
15					890	860	841	812					[illegible]
16					765	742	712	678					[illegible]
17					637	609	572	522					368
18					498	439	402	388					[illegible]
19					263	266	250	239					[illegible]
20					226	218	214	212					413
21					208	200	196						[illegible]
22						198	202						
23					179	167	147	135					[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRELATION
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT [illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					116	98	87	81					211
1					78	70	64	57					[illegible]
2					53	53	47	42					[illegible]
3					42	40	36	34					240
4					33	33	29	22					145
5					15	12	5	13					231
6					20	27							325
7							119	158					
8					188	214	261	280					262
9					296	314	368	408					290
10					443	506	534	597					275
11					635	698	731						268
12													
13													
14						838	781	721					
15					639	583	517	470					282
16					416	393	362	328					240
17					306	286	232	187					170
18					161	137	96	84					[illegible]
19					79	76	74	74					341
20					76	77	78	78					296
21					88	73	77	79					419
22					83	86	92	96					231
23					97	97	89	81					182

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO.CONTENT ANGLE 49 SAT. LATITUDE

ATS-F:PALEHUA ELECTRON CONTENT 30 NOV [illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					73	66	63	64					240
1					63	56	52	50					[illegible]
2					52	54	52	43					[illegible]
3					40	39	46	48					251
4					45	44	45	41					249
5					40	40	39	38					262
6					39	39	41	46					339
7					67	87	140	180					[illegible]
8					210	279	315	379					270
9					415	444	509	533					231
10					544	556	593	627					219
11					641	713	744	839					302
12					863	904	936	955					[illegible]
13					967	975	978	984					319
14					988	980	972	961					[illegible]
15					946	921	866	842					[illegible]
16					807	741	686	631					278
17							498	411					
18					310	210	159	96					127
19					84	79	77	77					309
20					76	75	75	73					[illegible]
21					74	73	69	68					[illegible]
22					64	59	59	56					351
23					58	55	54	55					[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 3[illegible]
10**15 E M**-2

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERIC 00	PLASMASPHERIC 15	PLASMASPHERIC 30	PLASMASPHERIC 45	I.P. km.
0					53	51	55	46					190
1					46	46	50	51					[illegible]
2					46	39	29	25					142
3					24	19	16	13					352
4					16	17	19	20					241
5					22	21	21	22					281
6					24	27	32	42					[illegible]
7					61	88	131	157					209
8					170	184	199	210					203
9					259	292	312	361					300
10					389	412	424	430					260
11					444	478	493	510					275
12					528	535	572	595					274
13					595	584	536	528					247
14					515	499	487	474					[illegible]
15					434	415	401	382					269
16					369	362	360	359					308
17					353	349	320	303					236
18					283	221	184	147					166
19					98	84	78	75					242
20					75	75	73	73					321
21					74	77	77	74					215
22					69	58	50	47					[illegible]
23					48	42	42	42					299

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 1 FEB 1979

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					40	43	44	46					224
1					47	47	44	43					185
2					41	38	33	26					145
3					22	14							273
4													
5													
6													
7					52	72	87	130					195
8					149	163	179	194					214
9					219	260	281	302					220
10					324	372	391	406					208
11					415	423	435	485					257
12					522	544	611	639					336
13					666	725	761	795					268
14					820	775	746	700					282
15					634	559	522	453					272
16							363	326					
17					316	304	285	260					238
18					217	197	179	154					198
19					114	95	89	86					236
20					79	82	79	77					249
21					77	76	76	76					316
22					72	65	63	57					256
23					51	47	46	45					302

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 2 FEB 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	I.P. KM
0					43	41	39	40					252
1					42	43	43	45					249
2					47	46	44	38					195
3					34	44	38	44					241
4					32								275
5													
6						24	26	35					
7					47	71	91	145					263
8					167	199	229	265					247
9					284	300	310	349					223
10					371	390	408	418					214
11					427	438	479	489					214
12					496	499	510	512					201
13					516	517	520	528					298
14					523	526	529	526					296
15					518	508	488	433					260
16					406	343	307	290					243
17					275	269	263	253					289
18					218	203	194	182					223
19					159	142	106	94					334
20					90	88	88	87					283
21					87	86	85	81					241
22					77	75	71	63					199
23					56	49	44	43					220

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 3 FEB 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					42	38	36	36					262
1					35	38	39	37					177
2					37	32	29	27					151
3					20	21	20	21					212
4					26	21	25	28					517
5					30	30	30	30					297
6					32	29	30	39					229
7					56	82	107	149					177
8					172	199	246	273					240
9					306	351	380	404					201
10					418	425	443	464					206
11					477	472	468	473					239
12					483	488	492	492					269
13					499	496	506	517					315
14					534	537	534	529					298
15					522	506	476	430					262
16					414	387	364	324					266
17					310	299	281	264					283
18					242	204	194	179					276
19					161	148	126						268
20								93					
21					92	92	91	88					198
22					86	79	77	70					206
23					65	64	60	55					266

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 4 FEB 1975

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					55	54	53	53					[illegible]
1					52	53	53	51					186
2					48	46	50	49					171
3					48	46	42	36					129
4					29	25	18	15					174
5					14	13	12	11					252
6					13	14	21	32					282
7					52	74	100	164					193
8					162	185							233
9							307	323					
10					371	392	411	422					239
11					434	459	475	499					250
12													
13													
14						630	608	580					
15					546	532	508	493					274
16					483	443	423	402					[illegible]
17					374	324	310	299					216
18					292	271	256	213					229
19					200	193	189	186					257
20					189	194	194	204					271
21					212	217	211	202					181
22					179	150	122	90					188
23					77	65	57	50					241

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 5 FEB 1978
10**15 E/M**2

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					46	44	42	41					255
1					40	40	39	38					209
2					39	39	40	41					204
3					40	38	36	33					170
4					31	31	30	29					208
5					27	25	23	23					216
6					22	23	26	37					253
7					57	83	127	157					195
8					186								195
9					298	315	358	379					278
10					406	421	438	453					261
11					461	467	474						256
12							477	482					
13					486	477	441	418					240
14					389	355	316	308					260
15					297	280	268	265					265
16					264	262	262	262					284
17					265	263	258	245					237
18					216	202	189	169					173
19					150	125	102	97					283
20					95	98	101	106					254
21					105	99	95	90					204
22					85	80	77	69					196
23					60	54	49	45					216

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 6 FEB 19??
10**15 E M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					41	36	33	31					207
1					28	26	25	23					238
2					21	20	19	19					246
3					19	19	20	25					262
4					25	26	26	25					284
5					24	24	24	25					365
6					26	27	32	39					321
7					60	84	142	181					247
8					214	262	286	304					187
9					322	369	392	412					196
10					433	469	484	502					229
11					526	543	595	629					289
12					648	678	716	728					277
13					741	740	728	712					277
14					697	660	648	632					276
15					598	552	537	522					286
16					499	475							264
17					421	411	395	374					223
18					320	299	268	225					178
19					201	192	178	161					176
20					151	140	116	116					367
21					135	143	143	138					218
22					114	93	85	75					174
23					68	62	60	59					232

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**2 7 FEB 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0					57	57	53	51					180
1					49	45	45	40					175
2					39	34	31	27					167
3					23	18	14	10					147
4					8	7	7	7					189
5					7	7	8	8					145
6					9	11	17	31					200
7					46	71							189
8													
9													
10							457	482					
11					483	484	496	516					251
12					526	523	511	486					252
13					451	429	425	423					285
14					422	419	412	391					261
15					374	327	309	292					250
16					275	260	239	215					251
17					205	200	197	192					232
18					187	178	166	154					234
19					136	111	100	99					313
20					103	112	119	133					311
21					144	153	155	152					240
22					146	107	89	80					178
23					73	69	67	64					220

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 8 FEB 1979
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.I
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					62	61	59	56					213
1					55	48	43	37					1[illegible]
2					32	27	24	22					211
3					18	19	12	5					178
4					5	2	-2	-5					153
5					-4	2	5	4					-99
6					5	10	22	35					11[illegible]
7					57	82	132	166					213
8					194	213	249	272					190
9					296	309	334	366					184
10					393	412	430	480					268
11					516	545	585	617					293
12					638	648	652	667					291
13					699	706	705	706					304
14					709	706	698	663					295
15					650	617	556	534					266
16					503	452	422	389					248
17					358	316	304	280					226
18					259	205	189	161					191
19					138	103	93	88					259
20					85	82	84	85					332
21					87	88	89	90					262
22					88	86	84	81					219
23					75	70	65	67					218

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E M**3 9 FEB 1975

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	..I. KM.
0					65	64	62	61					213
1					59	59	55	53					195
2					52	51	51	54					202
3					49	48	44	43					223
4													
5													
6													
7													
8													
9								476					
10					516	536	601	637					228
11					682	732	753	813					259
12					854			936					[illegible]
13					944		1001	995					[illegible]
14					994	989	962	920					288
15					857	801	734	658					265
16					611	537	497	429					[illegible]
17					401	361	313	291					216
18					266	218	197	175					188
19					150	120	95	91					249
20					88	87	89	91					301
21					91	93	93	95					[illegible]
22					95	96	93	90					163
23					87	85	80	75					154

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRELTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10 FEB 1979

19**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. P.M.
0					72	69	68	66					165
1					64	59	58	56					164
2					52	48	44	39					151
3					35	33	29	33					176
4					32	28	26	23					341
5					18	15	13	13					353
6					13	15							240
7						73	92	144					
8					173	193	233	264					200
9					287	306	346	388					
10					420	469							
11						586	600	621					
12					663	726	767	827					275
13					856	873	881	881					299
14					874	837	775	727					281
15					656	617	564	517					249
16					456	413	370	315					215
17					289	261	231	205					222
18					197	181	158	131					180
19					93	86	82	79					222
20					78	76	75	73					278
21					72	71	73	74					228
22					73	73	71	68					249
23					61	60	62	60					218

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR

263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 11 FEB 1978
10**15 E-M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					57	53	48	47					235
1					47	46	45	42					184
2					43	45	47	47					153
3					41	38	33	28					[illegible]
4					23	18	15	13					[illegible]
5					13	13	14	15					208
6					16	20	25	35					215
7					55	76	90	129					179
8					152	175	190	203					206
9					242	262	289	302					226
10					317	363	386	410					224
11					428	480	509	532					256
12					582	625	663	729					283
13					772	842	884	951					293
14					987	1007	1044	1055					309
15					1066	1058	1049	1007					276
16					988	941	876	824					269
17					751	663	603	526					248
18					464	411	360	309					[illegible]
19					279	245	200	178					191
20					152	132	103	93					[illegible]
21					87	84	8'	77					175
22					73	66	58	53					180
23					49	45	43	41					148

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 12 FEB 1978
10**15 E M**-2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	A.I. KM.
0					39	37	37	39					153
1					41	41	36	30					128
2					24	21	17	14					149
3					12	12	12	12					201
4					12	12	12	10					152
5					8	6	5	4					167
6					3	6	14	28					79
7					45	69	84	106					170
8					143	161	177	189					200
9					197	207	243	269					234
10					299	318	369	405					293
11					425	469	492	515					368
12					531	534	532	525					271
13					520	512	504	495					275
14					490	484	473	448					246
15					439	428	421	415					213
16					428	436	438	432					238
17					423	419	412	397					257
18					382	353	314	292					209
19					260	206	190	167					200
20					142	100	88	82					235
21					79	77	76	74					269
22					71	70	68	59					215
23					47	40	36	34					154

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 13 FEB 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					29	27	27	25					313
1					26	26	29	28					212
2					27	27	29	27					171
3					27	25	26	23					160
4					21	17	15	15					310
5					14	15	14	16					310
6					17	17	23	34					30,
7					53	75	92	142					197
8					161	180	193	202					207
9					232	257	279	298					243
10					309	336	373	391					276
11					411	417	426	472					297
12					492	507	516	524					317
13					532	539	558	595					324
14					611	628	638	643					283
15					638	620	600	564					261
16					541								263
17						475	438	427					
18					414	384	327	306					219
19					269	203	184	154					183
20					113	88	81	77					162
21					74	72	72	72					215
22					74	72	69	66					264
23					61	55	50	48					238

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 14 FEB 1978
10**15 E/M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0					45	43	40	39					167
1					36	33	31	28					149
2					27	27	25	26					[illegible]
3					25	25	24	23					190
4					23	22	21	22					242
5					22	22	20	18					234
6					18	19	25	35					[illegible]
7					52	73	85	123					[illegible]
8					152	173	188	201					238
9					250	262	280	293					234
10					306	316	358	375					235
11					384	387	391	387					234
12					393	401	402	404					274
13					411	416	424	428					291
14					429	425	421	418					276
15					420	418	411	396					270
16					383	373	339	324					282
17					318	316	310	304					240
18					291	269	225	201					211
19					188	164	146	138					202
20					106	89	85	82					235
21					79	80	82	88					310
22					87	88	91	101					224
23							93	78					

4.860E 14 CONTENT PER DEGREE 6.[illegible]0E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 15 FEB 1978
10**15 E M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0					68	60	54	49					268
1					47	43	37	34					296
2					32	32	29	27					314
3					27	30	37	38					313
4					38	32	28	25					238
5					26	26	27	29					463
6					31	30	35	49					327
7					71	91	147	184					255
8					217	277	311	376					287
9					418	467	497	517					250
10					527	532	533	536					226
11					535	528	517	511					236
12					509	501	497	487					283
13					484	474	459	476					274
14					479	471	439	431					219
15					424	415	402	384					232
16								285					
17					258	209	200	194					215
18					189	183	176	168					250
19					159	148	134	117					256
20					106	99	95	90					205
21					86	82	76	70					185
22					66	60	53	47					217
23					41	38	34	30					231

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 16 FEB 197?
10**15 E M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					27	24	23	21					235
1					21	20	21	21					261
2					21	24	24	26					226
3					28	28	28	28					208
4					27	27	26	24					216
5					24	22	20	19					275
6					18	18	23	32					299
7					50	72	84	124					178
8					155	182	198	249					249
9					275	301	324	378					296
10					413	441	491	524					276
11					560	612	647	702					259
12					746	766	825	853					283
13					867	881	916	935					298
14					958	976	965	969					312
15					966	960	947	944					295
16					900	891	885	875					278
17					840	818	767	730					267
18							543	494					
19					424	389	346	314					210
20					291	264	217	200					195
21					189	177	156	140					225
22					96	84	76	68					175
23					59	53	50	48					253

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 17 FEB 1975
10**15 E M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0					45	46	46	46					205
1					45	45	44	44					176
2					42	40	42	43					170
3					42	42	41	39					164
4					38	36	32	31					224
5					29	27	25	22					235
6					22	25	27	36					396
7					52	74	89	138					212
8					157	177							197
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21								58					
22					54	51	50	49					255
23					51	61	49	49					268

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 18 FEB 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					47	44	46	46					211
1					39	37	34	31					184
2					29	27	25	23					172
3					20	18	17	17					254
4					18	15	15	15					353
5					17	16	17	18					307
6					19	20	26	38					302
7					56	78	98	147					219
8					172	189	201	245					210
9					267	290	306	333					233
10					377	405	424	478					230
11					505	527	534	535					216
12					540	545	574	591					242
13					599	597	587	570					278
14					553	549	536	534					264
15					529	528	514	500					266
16					492	471	441	421					247
17					400	384	368	322					235
18					309	299	287	267					223
19					239	203	186	159					200
20					137	101	90	87					235
21					82	78	73	69					227
22					64	60	54	48					202
23					44	41	39	37					220

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E.M**3 19 FEB 19.8

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0					35	35	34	34					[illegible]
1					33	32	31	29					284
2					28	28	28	28					214
3					28	28	28	29					195
4					29	29	29	28					191
5					27	24	22	20					236
6					18	18	24	35					318
7					55	77	92	136					198
8					161	184	198	240					208
9					270	299	320	369					284
10													
11													
12								755					
13					767	782	811	826					300
14					833	828	816	777					283
15					760	721	662	627					272
16					552	513	435	390					240
17					332	311	301	285					266
18					269	245	212	201					246
19					195	185	162	132					178
20					90	82	80	78					300
21					77	76	75	77					274
22					79	79	78	76					219
23					73	71	67	63					210

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 20 FEB 19[illegible]
10**15 E/M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					57	55	53	50					213
1					48	48	46	44					207
2					42	38	34	31					165
3					29	27	25	24					286
4					23	23	28	26					380
5					23	23	26	29					283
6					32	31	37	50					261
7					72	87	124	150					208
8					178	196	234	265					217
9					295	314	367	408					[illegible]
10					454	507	540	591					248
11					632	647	669	690					243
12					694	661	652	655					264
13					663	677	681	687					293
14					680	676	657	643					278
15					621	609	600	581					302
16					549	531	497	463					262
17					433	420	387	338					229
18					304	263	203	178					185
19					148	102	87						219
20					77	75	75	73					223
21					71	70	70	71					265
22					69	69	69	71					237
23					70	71	70	69					220

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 21 FEB 1978
10**15 E M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					68	67	67	66					188
1					62	57	47	39					121
2					33	29	26	24					159
3					25	23	21	20					284
4					19	19	19	17					352
5					16	15	15	17					394
6					18	20	27	40					353
7					61	82	100	138					184
8					155	178	196	224					222
9					259	288	306	328					242
10					374	406	426	479					320
11					512	535	551	582					271
12					588	589	590	584					281
13					587	590	593	594					295
14					586	548	543	530					280
15					504	465	427	399					245
16					376	333	316	306					262
17					287	270	259	235					262
18					212	204	197	190					223
19					180	170	163	158					251
20					154	148	145	143					320
21					139	135	136	128					299
22					106	97	93	91					228
23					88	86	84	81					183

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 23 FEB 1976
10**17 E M**2

	TOTAL				FARADAY				PLASMASPHERE				...T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	PM.
0					74	65	53	44					185
1					36	32	30	29					291
2					28	29	29	31					[illegible]
3					32	33	33	36					342
4					35	34	32	31					300
5					31	32	34	35					360
6					37	37							295
7						99	141	162					
8					189	207	258	286					243
9					312	355	394	424					336
10					489	535	601	636					246
11					646	654	658	681					245
12					717	739	767	828					30[illegible]
13					873	884	941	978					327
14					995	1001	998	991					320
15					985	958	916	879					313
16					855	824	774	742					268
17					664	600	507	418					213
18					342	304	269	217					201
19					199	194	188	182					204
20					170	157	149	144					218
21					131	110	94	92					231
22					90	87	85	81					187
23					76								196

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 23 FEB 1978
10**15 E M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	M.I. KM.
0					63	60	58	54					197
1					51	49	45	42					180
2					38	37	34	32					173
3					28	25	22	18					155
4					15	14	13	12					304
5					11	9	10	11					241
6					13	17	34	41					254
7					67	84	135	167					209
8					191	233	271	301					200
9													
10								740					
11					830	878	980	1063					298
12					1134	1196	1243	1275					313
13					1298	1312	1322	1314					345
14					1314	1311	1299	1278					357
15					1226	1183	1101	1007					318
16					974	885	817	740					268
17					658	611	538	496					246
18					427	388	324	301					234
19					271	236	203	199					232
20					195	194	194	194					226
21					190	183	180	170					208
22					158	151	144	119					196
23					93								137

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 24 FEB 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					73	71	68	66					156
1					63	60	57	53					168
2					49	47	43	40					174
3					37	34	31	32					206
4					27	26	24	23					376
5					23	23	24	24					308
6					25	25	32	46					271
7					70	86	137	165					238
8					191	220	268	298					216
9					320	375	407	429					227
10					490	526	548	603					238
11					634	649	660	676					241
12					688	689	711						290
13													
14								600					
15					558	530	488	449					271
16					417	379	356	326					269
17					310	293	265	246					243
18					217	196	179	153					217
19					138	126	114	108					268
20					103	100	98	99					313
21					98	98	97	96					226
22					93	90	86						200
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 25 FEB 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0					53	54	51	47					166
1					41	37	34	31					[illegible]
2					28	27	26	25					239
3					24	25	24	24					226
4					24	23	22	22					275
5					22	23	23	23					253
6					24	26	32	47					283
7					76	101	138	175					230
8					203	247	284	311					224
9					352	383	413	449					245
10					490	529	577	624					282
11					662	713	769	850					288
12					927	968	983	985					337
13					996	996	997	993					343
14					995	997	987	998					333
15					984	938	873	774					300
16					714	656	613	582					[illegible]
17					552	538	533	524					[illegible]
18					502	478	440	414					270
19					372	328	301	277					254
20					261	254	249	244					310
21					232	218	213	218					[illegible]
22					238	245	228	201					199
23					170								302

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E-M**3 26 FEB 1975

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.I. KM.
0					94	91	87	86					243
1					82	76	73	71					247
2					68	66	64	58					243
3					52	45	39	36					273
4					32	32	29	29					244
5					28	29	32	33					241
6					37	44	55	78					260
7					106	141	180	204					267
8					240	258	279	297					285
9					314	346	375	407					268
10					445	488	550	611					322
11					668	722	768	814					295
12					838	871	878	880					288
13					884	889	887	885					306
14					886	892	907	920					327
15					920	921	925	924					321
16					918	907	895	874					311
17					836	780	722	657					288
18					612	568	541	522					268
19					497	483	460	434					223
20					412	380	354	320					214
21					288	247	210	189					231
22					164	149	141	135					228
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E M**3 27 FEB 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	I.P. KM.
0					99	93	88	82					181
1					74	61	48	40					154
2					35	33	32	31					193
3					31	31	29	28					221
4					26	24	23	23					206
5					22	22	23	24					253
6					26	31	40	62					243
7					78	91	119	144					202
8					179	203	247	289					307
9					323	368	421	471					316
10					529	569	593	620					275
11					632	640	649	663					237
12					692	707	739	765					28,
13					784	786	782	772					293
14					772	761	754	747					293
15					720	703	674	648					290
16					608	572	532	489					264
17					435	399	364	327					270
18					310	295	276	255					254
19					235	217	207	201					252
20					195	189	182	176					272
21					161	149	138	128					245
22					111	99	93	89					275
23					87								215

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 28 FEB 1975
10**15 E-M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0					68	62	54	48					283
1					45	42	40	39					[illegible]
2					38	37	37	38					235
3					37	38	38	36					190
4					34	31	28	27					188
5					27	27	27	27					248
6					28	31	40	65					242
7					86	122	153	187					207
8					209	249	281	316					215
9					351	394	430	478					300
10					542	598	666	720					318
11					771	812	861	912					301
12					946	973	996	1014					292
13					1043	1056	1071	1106					331
14					1128	1167	1184	1193					331
15					1180	1155	1116	1069					302
16					1020	954	889	843					281
17					793	754	724	696					260
18					668	663	649	634					277
19					621	623	627	633					232
20					619	604	573	526					345
21					472	417	374	350					254
22					309	276	244	206					192
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 1 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					103	95	88	85					200
1					82	74	69	62					183
2					53	53	54	55					230
3					52	49	37	30					213
4					27	24	21	20					217
5					20	19	18	22					295
6					23	25	36	68					337
7					103	141	189	223					256
8					253	270	289	294					207
9					295	298	305	319					197
10					349	371	415	458					326
11					511	568	631	696					355
12					752	803	838	863					298
13					896	906	906	899					292
14					900	892	872	864					301
15					858	851	847	832					[illegible]
16					824	819	810	785					287
17					756	716							260
18					682	642	617	596					316
19					591	580	575	572					312
20					581	580	570	545					307
21					527	503	492	482					288
22					478	479							271
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 2 MAR 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					300	241	202	177					294
1					166	168	176	182					219
2					164	136	101	82					168
3					66	55	46	40					237
4					37								185
5													
6							34	63					
7					93	132	169	203					194
8					240	274	311	355					224
9					407	448	492	532					280
10					580	628							301
11					698	750	793	818					247
12					851	866	889	897					274
13					904	893	875	860					272
14					848	837	818	791					273
15					763	742	703	677					252
16					643	616	594	581					255
17					574	561	560	571					253
18					584	591	597	598					215
19					588	572	564	577					197
20					582	561	529	486					200
21					442	412	369	327					208
22					308	269	212	170					160
23					120								123

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 3 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					146	132	112	97					203
1					90	85	80	74					188
2					69	67	66	64					215
3					66	61	59	55					235
4					50	44	38						206
5													
6													
7													
8								186					
9					221								189
10													
11													
12						626	638	647					
13					670	691	699	699					247
14					700	702	698	687					251
15					673	651	632	596					245
16					568	535	515	495					247
17					477	460	436	421					236
18					401	377	361	337					198
19													
20													
21								199					
22					183	161	145	126					242
23					108								169

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 4 MAR 1978

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					79	77	74	72					211
1					72	71	67	66					192
2					65	62	57	53					231
3					47	42	39	35					214
4					33	31	31	29					245
5					27	26	25	25					245
6					24	26	33	61					254
7					88	118	150	181					195
8					204	241	265	301					220
9					330	369	408	438					244
10					476	521	561	595					243
11					625	640	655	671					241
12					682	690	694	703					292
13					719	719	718	717					299
14					717	710	700	694					307
15					688	684	676	664					309
16					659	653	646	638					287
17					628	602	579	549					265
18					535	513	485	457					248
19					425	405	377	362					237
20					338	317	302	272					231
21					253	233	212	199					260
22					185	168	154	139					220
23					123								186

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 5 MAR 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					90	79	75	71					186
1					69	64	61	72					207
2					66	49	44	41					[illegible]
3					36	33	29	30					254
4					29	28	26	26					308
5					26	26	26	27					277
6					27	31	41	69					272
7					104	145	184	216					189
8					249	268	292	313					130
9					346	370	404	432					250
10					471	506	545	577					262
11					599	628	639	646					264
12					655	666	680	690					308
13					703	727	744	760					320
14					783	794	800	801					302
15					804	798	792	777					301
16					764	758	750	740					303
17					720	702	680	651					282
18					632	599	581	550					259
19					532	509	486	466					218
20					433	407	384	366					[illegible]
21					337	308	272	251					221
22					238	227	221	214					227
23					204								205

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 6 MAR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0						136	123	109					
1					100	92	86	81					182
2					74	67	62	56					215
3					52	49	45	40					249
4					39	38	36	38					233
5					36	40	38	36					201
6					31	35	43	71					263
7					99	136	176	222					221
8					263	313	363	414					263
9					461	498	533	559					231
10					580	591	607	646					252
11					682	714	766	803					279
12					850	902	936	987					323
13					1037	1088	1133	1177					338
14					1206	1250	1271	1290					333
15					1312	1324	1325	1321					340
16					1315	1291	1258	1214					341
17					1173	1137	1092	1051					323
18					1001	975	934	891					283
19					869	818	790	746					237
20					687	639	592	545					243
21					488	449	414	367					234
22					326	304	264	240					231
23					214								171

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 7 MAR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0						87	80	77					
1					75	73	69	63					201
2					57	52	48	44					234
3					42	40	40	39					277
4					42	41	39	41					248
5					34	35	31	34					293
6					33	37	50	80					284
7					115	155	196	232					265
8					269	308	358	403					275
9					439	478	520	551					273
10					580	612	651	691					277
11					730	780	835	872					303
12					913	946	969	982					314
13					1007	1025	1040	1043					324
14					1042	1026	1012	993					335
15					978	953	918	884					319
16					866	842	799	750					294
17					714	682	639	591					275
18					547	513	481	441					249
19					411	383	373	366					229
20					358	358	350	341					207
21					324	308	291	267					221
22					251	239	221						245
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 8 MAR 1978

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0						144	135	130					
1					124	116	108	100					183
2					92	86	78	70					173
3					58	46	36	31					198
4					28	26	25	25					259
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
263 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 9 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. I.M.
0						88	88	88					
1					89	91	91	90					247
2					89	90	92	93					248
3					90	79	60	43					180
4					35	31							281
5						27	28	29					
6					31	38	70	102					360
7					138	179	211	247					278
8					283	319	359	405					276
9					439	475	509	528					262
10					542	572	588	622					268
11					644	680	696	722					289
12					743	766	796						291
13						859	880	903					
14					915	914	909						302
15							798	751					
16			688	646	707	652	603	564			85	82	273
17	611	583	555	526	529	501	473	440	82	81	82	86	289
18	507	489	470	449	426	414	392	368	81	76	78	80	259
19	422	408	386	375	347	325	313	303	76	83	73	72	241
20	358	346	334	315	287	270	260	246	71	76	74	69	250
21	297	280	269	258	224	208	199	192	72	72	70	66	248
22	250	237	232		186	172	167		64	65	64		222
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 10 MAY 1976

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0		194	188	189		127	121	123		67	67	66	
1	190	189	187	182	126	124	119	115	64	65	68	67	229
2	181	182	176	163	114	115	107	92	67	68	69	70	[illegible]
3	147	136	126	121	81	74	63	54	66	62	63	67	304
4	117				49				68				349
5													
6		118	144	186		51	79	123		67	66	63	
7	233	278	313	343	165	208	253	285	68	70	60	58	266
8	368	408	428	463	308	340	366	399	60	68	62	64	242
9	501	543	581	621	432	478	517	551	69	65	64	70	268
10	663	702	735	769	595	633	669	699	69	69	66	70	271
11	794	816	831	846	719	743	751	762	75	73	79	84	285
12	858	863	872	874	777	783	794	794	81	80	79	80	295
13	876	867	866	847	796	785	786	759	80	81	80	88	282
14	826	800	774	754	744	722	694	660	81	78	80	94	283
15	731	715	697	679	647	636	620	598	84	79	78	81	300
16	652	612		554	578	536	511	475	74	76		78	281
17	523	495	471	440	445	423	399	365	79	72	72	75	256
18	420	405	382	369	351	328	311	299	69	77	71	69	254
19	349	336	328	322	279	264	257	254	71	72	71	69	249
20	314	305	295	284	250	241	231	216	64	63	64	68	223
21	270	250	237		204	191	175	158	65	59	62		243
22	208	204	198		147	143	138		60	61	60		224
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

CORRECTED FOR SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 11 MAR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.
0		130	125	121		76	72	67		53	53	54	
1	117	115	113	111	64	60	57	55	54	55	56	56	227
2	109	107	105	104	52	49	48	46	57	58	58	58	247
3	103	102	100	97	44	42	40	38	58	59	60	59	260
4	95	92	89	87	36	34	32	32	59	58	57	55	286
5	85	85	85	85	30	30	30	30	55	56	55	56	323
6	86	93	109	138	29	34	50	79	57	59	59	58	269
7	174	208	246	280	111	148	189	221	63	59	57	60	230
8	317	354	404	435	257	299	335	373	60	56	69	62	257
9	471	513	548	586	409	450	483	523	62	63	65	63	250
10	621	649	678	703	550	582	612	637	71	66	66	66	276
11	730	761	788	819	660	690	713	743	71	70	75	76	301
12	855	881	904	930	777	803	821	849	78	78	83	81	295
13	930	937	937	937	848	853	853	853	81	83	84	85	313
14	941	949	955	951	856	862	866	864	85	87	89	87	312
15	936	929	903	876	857	845	820	797	79	84	83	79	293
16	842	807	775	735	762	737	702	664	80	70	73	72	285
17	699	660	630	590	632	589	553	524	67	72	77	66	266
18	559	526	493	461	489	456	424	392	70	70	69	70	259
19	431	406	385	375	364	336	318	306	67	70	67	68	253
20	364	351	343	330	301	284	272	260	63	67	71	70	263
21	321	310	298	286	256	245	232	218	66	64	66	69	250
22	273	263	255		207	200			66	63			212
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 12 MAR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0		203	199	194		145	142	139		57	56	55	
1	188	183	178	172	132	128	122	113	56	55	56	59	313
2	163	150	139	127	102	91	80	72	61	59	59	55	219
3	114	106	104	101	57	47	42	40	57	60	62	61	330
4	101	100	98	95	37	36	35	34	63	63	63	61	264
5	93	95	96	98	32	32	33	33	61	63	63	64	318
6	100	106	123	148	33	38	56	80	67	69	67	69	283
7	178	207	237	262	105	141	175	197	73	66	61	65	205
8	291	318	347	383	222	255	289	314	69	64	59	69	244
9	419	455	493	535	353	386	422	464	66	69	71	71	338
10	584	618	658	698	505	537	583	623	79	81	75	75	302
11	757	798	853	903	661	709	762	812	95	89	91	90	292
12	947	982	1022	1048	860	894	930	962	87	88	92	86	292
13	1071				977	999	1009	1010	93				314
14	1111	1111	1116	1113	1010	1020	1023	1020	101	92	94	93	316
15	1104	1078	1047	1029	1010	989	966	943	93	89	82	86	308
16	1007	984	953	930	923	901	871	845	83	84	82	84	297
17	887	850	809	776	807	766	736	702	79	84	73	74	290
18	734	702	654	603	670	634	588	537	64	68	65	66	251
19	559	522	490	461	492	455	420	391	67	68	71	70	235
20	439	422	411	406	370	359	346	329	69	63	64	77	225
21	382	366	344	325	316	302	273	255	66	64	70	70	264
22	308	293	280		241	223	208		67	70	72		241
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 13 MAR 1970

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0		206	206	203		144	144	142		61	62	60	
1	198	195	191	188	138	136	134	132	60	59	57	56	210
2	184	178	170	158	128	123	111	97	56	56	58	61	207
3	140	127	118	111	84	74	62	53	56	53	56	58	265
4	105	99	95	90	46	39	34	30	60	59	61	59	241
5	87	86	86	86	28	28	27	27	59	58	59	59	302
6	87	95	111	137	27	34	52	83	60	61	60	53	316
7	174	208	250	287	113	149	195	230	61	59	55	57	260
8	329	375	422	469	267	313	357	407	62	61	65	62	274
9	518	559	623	673	449	496	550	595	68	63	73	78	313
10	732	791	855	909	661	709	777	833	71	81	78	76	297
11	961	1004	1038	1077	875	916	954	988	86	88	84	90	297
12	1116	1134	1149	1154	1027	1043	1063	1066	89	91	86	89	309
13	1157	1154	1146	1137	1069	1068	1056	1047	88	87	90	90	322
14	1114	1079	1070	1038	1028	1006	980	959	86	74	89	79	331
15	1005	951	898	849	921	868	817	769	83	83	81	80	296
16	809	772	731	702	740	698	656	633	69	74	76	69	281
17	673	647	625	605	601	578	547	532	72	69	79	73	278
18	587	581	557	539	518	499	484	467	69	82	74	72	278
19	521	504	488	476	446	430	420	408	76	74	69	68	240
20	465	448	424	382	400	380	361	329	65	67	63	53	239
21	365	327	282	244	302	260	216	189	63	67	66	55	242
22	235	196	183		155	138	123		79	57	61		223
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 14 MAR 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0						87	85	82					
1					80	77	76	72					214
2					66	61	57	54					227
3					48	42	37	36					187
4					34	33							253
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 15 MAR 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0						110	101	94					
1					89	85	81	79					229
2					76	74	72	71					238
3					67	62	55	49					273
4					45	40							225
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15							626	605					
16					585	553	532	520					284
17					500	486	473	450					283
18					426	401	371	351					259
19					329	307	286	263					253
20					255	251	242	230					244
21					219	206	196	189					267
22					173	158	154						270
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 16 MAR 1976

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0						133	131	130					
1					129	131	131	123					220
2					107	89	67	42					149
3					33	29	28	27					193
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E.M**3 17 MAR 1978

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0						206	194	173					
1					155	146	141	134					210
2					121	100	87	76					174
3					60	46	40	38					223
4					37	35	35						330
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 18 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	C.T. KM.
0						64	60	57					
1					55	57	53	50					250
2					47	49	51	56					238
3					58	60	59	56					251
4					50	46	43						282
5													
6								88					
7					126	162							209
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE. 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 19 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0						66	63	61					
1					57	55	50	46					204
2					42	39	37	36					220
3					34	34	34	34					277
4					34	38							274
5													
6													
7													
8													
9													
10													
11						643	666	689					
12					710	742	776	812					290
13					852	878	910	926					293
14					942	958	965	975					299
15					986	987	984	979					289
16					967	935	915	885					277
17					868	830	774	726					255
18					677	631	579	529					233
19					474	429	378	327					216
20					286	244	208	190					256
21					170	151	136	120					245
22					106	99	94						327
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 20 MAR 1979
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0							81	79					
1					77	74	69	63					205
2					57	51	45	40					212
3					33	30	28	26					208
4					26	25	25	25					300
5					24	24	24	25					225
6					26	32	50	80					228
7					111	147	187	213					185
8					248	280	307	335					199
9					360	395	418	450					241
10					479	514	543	574					297
11					613	646	688	733					309
12					781	831	874	913					292
13					945	973	990	991					292
14					983	970	951	923					300
15					901	872	852	823					298
16					801	757	719	681					276
17					643	610	580	545					259
18					528	494	475	432					230
19					397	357	317	298					221
20					264	236	208	191					236
21					171	150	138	129					232
22					116	106	100						218
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 21 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0						82	79	78					
1					74	70	67	64					231
2					61	59	58	56					261
3					55	51	48	47					260
4					44	42	42	40					260
5					38	37	36	36					269
6					38	47	71	94					226
7					129	163	195	219					202
8					247	274	305	325					202
9					352	384	419	452					260
10					481	526	552	578					268
11					600	632	655	687					297
12					732	755	792	812					295
13					841	865	878	885					293
14					879	871	863	858					298
15					854	831	811	781					282
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 22 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0						138	119	97					
1					86	75	58	46					124
2					40	36	34	33					299
3					33	33	34	34					245
4					32	32	31	30					242
5					29	27	27	27					265
6					30	39	67	92					227
7					131	169	201	236					217
8					257	285	312	344					197
9					369	410	430	459					242
10					482	525	561	618					304
11					672	728	786	842					326
12					889	944	989	1028					315
13					1071	1093	1112	1122					331
14					1122	1115	1103	1089					317
15					1083	1068	1048	1021					318
16					983	946	917	879					296
17					859	826	792	759					284
18					724	699							283
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 23 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	I.P. KM.
0						138	128	112					
1					98	91	86	81					184
2					78	75	72	69					226
3					65	61	58	58					233
4					54	53	54	56					233
5					56	55	54	52					264
6					57	69	84	109					285
7					136	164	195	217					273
8					245	273	306	326					291
9					353	377	415	441					301
10					470	506	532	568					321
11					600	642	684	719					307
12					761	799	833	867					289
13					891	909	912	902					283
14					884	868	856	842					284
15					828	810	782	746					273
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 24 MAR 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T.
0						94	91	88					
1					81	76	66	58					174
2					53	47	45	37					174
3					32	29	26	26					294
4					24	25	27	26					278
5					24	24	25	26					323
6					26	32	60	85					238
7					115	144	177	197					203
8					220	253	284	306					225
9					335	361	393	418					287
10					457	494	529	573					306
11					602	640	680	721					318
12					764	812	863	909					313
13					956	982	1014	1033					320
14					1052	1067							313
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 25 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0						109	102	99					
1					96	93	88	87					207
2					78	71	62	53					217
3					43	37	36	33					237
4					34	33	34	33					256
5					32	30	29	32					340
6					34	43	67	89					229
7					122	152	184	200					216
8					231	256	288	315					282
9					354	391	424	471					355
10					512	544	583	621					301
11					661	701	749	795					301
12					849	909	967	1033					313
13					1096	1169	1235	1280					322
14					1316	1320	1322	1321					358
15					1326	1320	1302	1291					361
16					1270	1247	1219	1184					329
17					1158	1089	1039						304
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 26 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0						81	80	81					
1					82		87	85					257
2					81	78	72	63					194
3					51	42	35	30					218
4					29	28	28	26					335
5					24	23	22	24					362
6					27	41	72	104					488
7					141	195	224	241					242
8							249	251					
9					275	305	338	373					282
10					424	469	525	548					332
11					566	582	621	663					401
12					698	732	757	773					294
13					763	752	749	746					294
14					747	743	740	733					310
15					736	747	750	757					315
16					767	777	795	809					300
17					817	819							297
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 27 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0						139	138	136					
1					132	127	125	120					264
2					115	111	108	104					267
3					97	88	78	64					268
4					52	44	40	36					275
5					32	32	32	32					298
6					36	52	80	114					252
7								259					
8					301	341	372	411					258
9					425	447	465	475					264
10					487	502	526	544					314
11					570	587	637	684					341
12					727	757	787	807					289
13					841	853	851	844					278
14					806	762	752	737					289
15					713	704	698	697					315
16					704	707	699	677					249
17					651	616							218
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE. 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 28 MAR 1978

	TOTAL				FARADAY				PLASMASPHERE				C.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0						79	75	76					
1					75	75	76	78					279
2					77	78	71	55					177
3					39	31	27	25					138
4					25	24	23	23					491
5					23	23	24	25					415
6					29	41	70	97					266
7					128	155	190	211					234
8					240	270	305	330					252
9					356	393	422	452					268
10					478	521	544	576					280
11					620	663	700	759					317
12					812	878	940	988					295
13					1033	1080	1110	1138					292
14					1153	1159	1165	1169					306
15					1163	1150	1118	1093					298
16					1080	1035	988	942					284
17					896	845	774	721					253
18					664	613	552	501					238
19					469	441	426	418					261
20					412	399	381	362					232
21					326	296	249	213					198
22					196	178	154	142					227
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E M**3 29 MAR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					122	111	113	110					176
1					102	95	90	87					186
2						81	78	73					
3					69	64	60	58					282
4													
5								35					
6					42	61	83	106					221
7					138	172	196	221					223
8					246	278	309	340					246
9					365	409	437	468					269
10					510	533	565	594					284
11					639	669	693	743					296
12					776	806	842	892					295
13					925	955	973	989					310
14					1010	1023	1034	1038					329
15					1045	1039	1036	1023					295
16					1003	977	934	901					283
17					869	825	777	736					279
18					697	654	630	595					276
19					569	545	534	534					268
20					512	483	450	422					245
21					375	336	310	298					241
22					275	259	243	231					241
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 30 MAR 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	H.H.
0					222	210	200	186					183
1					166	150	142	138					232
2					133	132	130	128					229
3					123	117	112	106					255
4					99	92	85	74					255
5					62	50	45	43					325
6					50	67	87	120					279
7					149	194	224	253					219
8					298	328	359	410					285
9					446	494	554	610					282
10					674	732	797	854					307
11					908	965	1019	1066					308
12		1250	1285	1315	1105	1145	1181	1200		106	105	114	324
13	1337	1355	1376	1391	1233	1249	1257	1275	104	107	119	117	328
14	1400	1404	1406	1411	1290	1290	1291	1295	110	114	115	116	335
15	1417	1422	1418	1404	1307	1311	1310	1302	110	111	108	102	335
16	1394	1379	1357	1313	1300	1283	1261	1216	94	96	96	97	326
17	1255	1216	1150	1081	1181	1131	1067	994	74	86	84	88	296
18	1016	945	899	838	933	872	814	756	84	74	85	82	270
19	786	733	717	703	703	657	640	625	83	76	76	78	279
20	686	669	640	605	605	595	567	537	80	74	73	69	227
21	559	530	483	441	501	457	421	370	58	73	62	71	215
22	383	365	331		327	301	261		57	64	70		223
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 31 MAR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0			203	190		148	140	132			63	58	
1	180	169	156	144	121	107	96	87	59	61	60	58	144
2	136	128	120	115	81	74	64	55	54	54	57	60	187
3	111	108	107	107	48	44	41	40	63	65	66	68	268
4	107	108	108	108	39	41	41	41	68	68	67	68	209
5	112	112	112	115	42	44	46	49	71	68	66	66	208
6	121	134			55	70			66	64			227
7													
8													
9													
10													
11			797	830			711	744			85	86	
12	860	892	907	939	766	799	818	843	94	93	89	97	313
13	972	1001	1030	1061	867	896	921	958	105	105	109	103	315
14	1082	1113	1134	1149	982	1003	1022	1037	101	111	112	113	316
15	1165	1170	1173	1164	1057	1068	1071	1062	108	102	102	102	310
16	1148	1135	1115	1079	1048	1036	1023	990	101	99	92	89	296
17	1038	996	954	902	951	915	875	818	87	80	79	84	294
18	844	784	729	679	769	706	646	595	76	78	83	84	280
19	640	608			555	534	502		85	73			274
20													
21				272				209				63	
22	262	263	240	205	201	201	182	151	61	62	57	54	258
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 1 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0	205	203	200		148	149	151	156	57	54	48		218
1			207	199	159	158	149	141			58	58	199
2	189	180	177	172	133	128	125	119	56	53	52	53	233
3	162	151	139	130	108	98	89	81	54	53	50	49	233
4	123	117	110	108	75	67	61	57	48	50	50	52	340
5	104	108	106	105	55	52	50	49	50	56	56	56	289
6	110	125	155	188	56	74	92	134	55	51	63	55	252
7	232	263	298	330	172	203	246	276	60	60	52	54	227
8	356	383	407	431	306	327	353	373	50	56	53	58	245
9	458	486	513	541	404	425	453	479	54	61	60	62	270
10	580	611	647	691	513	542	583	626	66	69	64	64	301
11	723	754	776	805	647	675	698	729	76	79	78	77	320
12	836	868	903	935	752	776	813	847	84	91	90	87	286
13	975	1012	1045	1082	873	912	949	973	102	101	96	109	300
14	1122	1152	1180	1203	1009	1036	1067	1083	113	116	113	120	316
15	1224	1244	1253	1256	1099	1124	1133	1142	125	120	120	114	311
16		1259	1245	1226	1146	1139	1126	1104		120	119	122	308
17	1201	1183	1162		1084	1071	1047		117	113	115		299
18		1055	1018	973	981	944	906	864		111	112	109	293
19	936	896	849	804	832	791	747	704	104	104	102	100	282
20	759	715	664	613	663	631	579	532	95	84	86	81	245
21	558	521	471	427	488	441	406	354	70	80	65	73	226
22	381	367	346	320	317	300	274	251	64	67	71	69	259
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
 -91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 2 APR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				E.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	236	209	201	193	184	153	141	135	52	57	59	58	168
1	184	176	171	165	128	119	111	105	56	57	60	60	194
2	162	160	156	150	104	100	96	92	58	59	60	58	201
3	145	141	138	134	89	87	89	81	56	55	49	53	280
4	131	128	126	127	78	74	71	71	53	54	54	55	290
5	127	127	128	131	71	71	72	74	56	56	56	56	254
6	139	156	181	208	80	92	116	147	58	64	65	62	352
7	238	272	301	326	186	209	241	261	52	63	60	65	359
8	358	403	436	474	301	329	372	420	57	73	64	54	281
9	513	544	579	607	446	478	513	540	67	66	66	67	292
10	636	670	699	729	566	595	634	654	70	75	66	75	304
11	763	797	834	869	686	715	755	783	77	82	79	87	308
12	906	939	964	985	813	852	868	886	94	87	95	100	327
13	1005	1020	1036	1040	904	915	926	936	100	105	109	104	315
14	1040	1039	1041	1041	935	930	934	934	104	108	107	108	326
15	1041	1035	1025	1013	934	928	920	910	106	107	105	104	309
16	1000	984	960	935	897	877	859	843	103	107	100	91	288
17	908	879	844	807	810	777	747	708	98	102	97	100	260
18	773	733	702	670	677	638	601	573	97	96	102	97	265
19	652	639	639	650	549	538	538	554	102	102	101	96	276
20	690	733	782	789	594	647	690	695	96	86	92	94	[illegible]
21	758	689	591	499	661	588	500	416	97	100	91	83	227
22	434	404	368	353	349	312	291	275	85	91	77	79	234
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 3 MAY 1970
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. I.M.
0	344	310	262	208	297	255	209	167	47	55	53	40	181
1	180	154	137	124	129	97	86	75	51	57	51	49	191
2	116	113	111	110	66	59	56	54	50	54	55	56	350
3	108	107	109	110	50	50	55	57	59	57	54	53	263
4	109				57				53				270
5													
6													
7													
8		439	474	517		381	423	461		58	50	55	
9	555	590	625	657	487	534	560	587	68	55	66	70	308
10	694	726	755	786	625	655	681	704	70	71	74	81	325
11	817	846	865	871	747	769	790	797	70	77	74	74	301
12	857	855	855	851	774	766	763	760	83	89	92	91	303
13	848	843	844	842	755	749	750	748	93	94	95	94	318
14	847	853	862	871	749	753	758	767	98	100	104	104	331
15	880	879	865	841	781	781	764	746	99	98	101	95	297
16	812	789	763	730	721	696	669	639	91	93	93	91	278
17	704	688	683	683	613	590	584	583	91	98	99	100	288
18	680	670	652	633	582	575	557	537	98	95	94	96	257
19	597	555	499	439	514	468			83	86			220
20	377	319	273	237	301	244	197	162	75	75	76	75	227
21	209	202	193	188	140	127	117	113	69	74	76	75	324
22	188	187	183	182	111	110	106	106	77	77	78	77	276
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE. 49 SAT. LATITUDE

HTS-6:PALEHUA ELECTRON CONTENT 4 APR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	176	174	172	167	106	105	104	100	70	69	67	66	336
1	160	152	144	136	96	91	86	80	64	61	59	56	306
2	128	120	114	110	73	63	54	48	55	57	60	62	271
3	106	104	102	100	44	40	40	38	63	63	61	61	257
4	98	96			38	36			60	60			267
5				101				38				62	
6	112	131	160	192	51	75	96	137	62	55	64	55	254
7	230	251	281	311	171	199	224	256	59	52	58	55	252
8	341	376	408	445	292	320	354	388	49	55	54	57	280
9	480	516	547	583	428	462	485	527	52	54	62	56	286
10	622	658	697	755	555	587	635	676	66	70	63	79	364
11	784	828	869	903	708	757	799	833	76	70	71	70	308
12		937	935	936	852	854	854	852		83	81	84	293
13	946	978	1007	1060	860	879	909	962	86	99	97	98	322
14	1126	1187	1236		1017	1083	1128	1156	109	104	108		327
15			1211	1166	1162	1136	1096	1062			114	104	316
16	1133	1108			1024	993			109	115			316
17		996	951	906		908	865	821		87	87	86	
18	856	791	726	678	770	702	642	588	86	88	84	90	248
19	628	580	520	462	545	496	435	393	84	84	84	70	256
20	417	371	327	294	348	303	258	227	69	68	69	67	220
21	268	247	232		201	189	172	155	67	59	60		266
22		206	197	189	148	141	134	129		64	62	60	262
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA

ELECTRON CONTENT
10**15 E/M**3

5 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	187	190	193	192	133	136	139	139	54	54	54	53	209
1	188	179	165	142	138	131	119	94	51	48	46	48	155
2	118	101	93	87	75	49	38	34	43	51	54	53	130
3	82	80	78	77	31	30	30	30	51	50	48	47	290
4	77	77			29	28			48	50			287
5				80			26	29				51	
6	93	115	150	188	42	73	95	142	51	42	55	46	233
7	231	264	298	332	183	212	249	285	48	52	49	47	242
8	370	410	451	495	319	359	408	448	51	51	43	47	285
9	543	585	630	660	490	538	578	600	53	46	53	61	288
10	695	729	774	816	644	667	703	750	52	63	71	66	313
11	857	899	943	987	781	814	865	906	75	84	78	81	324
12	1032	1079	1124	1157	947	982	1030	1066	85	97	94	91	313
13	1192	1219	1228	1225	1085	1115	1125	1120	107	104	104	105	314
14	1219	1205	1195	1180	1108	1093	1086	1075	111	112	109	105	321
15	1163	1142	1119		1060	1038	1018	982	103	103	101		299
16				895				805				90	
17	838	799	758	722	754	712	669	636	85	88	89	86	282
18	696	671	648	628	613	584	564	538	84	87	84	90	284
19	616	601	580	542	531	524	496	462	85	78	83	80	262
20	486	439	383	352	414	369	313	289	72	69	71	64	252
21	325	308	296	285	257	240	230	219	68	68	66	66	246
22	277	265	258	251	211	204	200		66	61	58		211
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

CORRECTED FOR
SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 6 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	203	195	188	182	145	138	133	124	58	57	55	58	191
1	178	174	170	165	122	118	114	108	56	56	56	56	233
2	160	157	152	145	107	102	98	94	53	55	54	52	275
3	139	131	126		88	81	78		51	50	47		301
4													
5				120				64				56	
6	138	167	203	240	79	105	142	189	59	62	60	51	324
7	278	313	354	404	213	250	294	327	65	64	60	77	289
8	437	476	513	550	367	416	446	481	70	60	66	68	327
9	584	612	648	673	521	545	578	603	63	67	70	71	323
10	699	729	756	781	632	656	684	709	68	74	72	72	312
11	800	819	842	866	729	746	764	791	71	73	78	74	294
12	886	903	934	943	807	823	847	864	79	80	87	79	298
13	965	977	984	979	878	893	902	894	86	84	82	86	290
14	976	972	957	946	887	881	866	859	89	92	91	87	293
15	936	932	906	892	851	842	830	806	84	90	76	86	281
16	869	844	818	797	784	756	740	717	86	89	78	79	259
17	773	730	707	675	693	665	632	592	80	66	76	83	245
18	644	611	586	554	568	532	512	476	76	79	74	77	232
19	518	480	449	424	436	408	372	350	82	72	77	74	238
20	405	382	368	344	329	311	302	276	76	71	66	68	212
21	318	293	267	242	251	226	199	181	67	67	68	60	229
22	230	206	194		155	139	130		75	67	64		249
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 7 APR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	MM.
0	170	170	172	173	104	104	108	111	66	65	63	62	283
1	174	173	170	164	112	113	110	105	61	60	60	59	[illegible]
2	159	154	148	144	101	96	92	88	58	58	57	56	242
3	139	135	131	127	86	81	78	75	53	54	52	52	294
4													
5													
6		163	193	231		93	133	170		70	60	61	
7	266	302	339	370	202	240	275	311	64	61	64	59	350
8	408	444	477	512	344	380	419	449	64	63	58	63	276
9	539	557	580	595	477	492	517	530	62	65	62	65	270
10	615	638	657	685	538	562	582	602	77	76	75	83	340
11	715	758	796	827	633	674	705	744	82	84	90	82	329
12	871	900	929	953	777	804	832	858	94	95	97	95	313
13	975	995	1008	1012	871	894	905	909	104	101	103	103	308
14	1012	1004	991	969	906	899	887	863	107	105	104	106	307
15	945	931	908	888	846	827	810	792	99	104	98	96	304
16					765	731	703	683					291
17					650	621	588	572					[illegible]
18					555	534	517	494					294
19					480	474	462	454					263
20					448	433	420	403					241
21					374	350	320	303					241
22					280	261	249						273
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 8 APR 1976
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	HM.
0	285	279	276		207	199	187	166	79	80	88		185
1				175	152	143	134	125				50	172
2	174	170	162	157	114	104	96	91	60	66	66	66	209
3	151	146	142	139	87	85	79	74	65	61	63	65	[illegible]
4	137	137	136	136	72	69	68	68	65	67	67	68	282
5	135	135	134	138	68	67	67	71	67	67	67	66	307
6	190	174	201	235	81	100	135	162	69	73	66	73	[illegible]
7	262	294	327	356	197	221	256	289	64	73	71	67	254
8	374	420	444	474	313	348	371	405	61	73	73	69	251
9	502	534	549	595	425	460	482	500	77	74	67	96	302
10	612	644	675	708	527	553	588	622	84	91	87	86	346
11	764	782	811	845	647	689	717	754	117	93	94	9[illegible]	[illegible]
12	882	898	939	959	786	811	840	861	96	87	99	98	317
13	977	992	1001	994	871	884	892	880	107	108	108	114	304
14	978	951	933	902	865	850	824	805	113	101	106	9[illegible]	[illegible]
15	882	860	836	815	781	757	740	718	101	103	97	97	301
16	797	776	760	729	700	685	662	641	96	91	98	88	[illegible]
17	706	685	665	650	618	590	574	555	89	95	92	95	[illegible]
18	637	627	619	613	543	533	527	522	95	95	92	91	[illegible]
19	600	587	556	542	512	495	477	461	88	92	80	81	253
20	511	473	433	406	428	396	356	316	83	[illegible]	[illegible]	9[illegible]	[illegible]
21	368	340	314	294	298	263	244	218	70	76	71	76	[illegible]
22	278	265	255		204	197	190		73	68	65		[illegible]
23				255									

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 9 APR 1979
10**15 E M**2

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. MN.
0				203	153	147	144	142				61	303
1	203	202	202	199	140	138	138	136	63	63	63	62	285
2	198	194	187	181	135	132	129	122	62	62	58	59	247
3	174	168	161	155	115	106	99	93	59	61	62	62	274
4	149	144	140	138	89	85	82	80	60	59	58	58	292
5	136	135	136	140	77	76	76	78	58	58	60	62	317
6	148	178	208	250	85	112	147	193	64	67	60	57	302
7	285	320	351	382	224	257	294	319	61	63	58	62	253
8	421	451	481	514	359	386	423	451	62	65	58	63	282
9	542	557	595	624	476	501	533	553	66	56	63	71	290
10	649	670	692	719	579	594	615	644	70	76	77	75	311
11	731	768	790	808	653	684	699	715	79	84	90	93	339
12	830	837	898	937	740	759	797	823	89	78	100	113	332
13	952	983	1007	1025	850	871	896	915	102	112	110	110	328
14	1041	1052	1059	1061	926	942	951	951	116	110	108	110	314
15	1063	1051	1038	1021	951	939	922	911	112	112	116	110	306
16	1002	981	955	932	897	873	854	819	104	108	101	113	295
17	893	864	841	829	794	763	744	726	99	100	98	102	297
18	815	805	801	799	708	699	696	694	107	106	105	105	289
19	804	811	833	857	697	701	722	753	107	110	111	104	277
20	873	862	838	815	768	762	744	717	105	100	95	98	240
21	788	756	727	694	701	664	642	606	87	91	84	88	241
22	665	621	586	552	587	545	515	474	79	75	70	77	226
23	510	482	457	433	440	420	389	367	70	61	69	66	207

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10 APR 1978

10**15 E M**-2

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	413	405	380	376	351	333	324	321	62	72	55	55	202
1	361	342	322	304	309	283	264	252	52	58	58	51	172
2	284	259	240		235	208	188	159	49	51	52		1.0
3	198				144				54				289
4				144				86				58	
5	139	126	137	141	80	77	76	77	59	58	61	64	286
6	151	181	204	249	86	112	145	183	65	69	58	66	321
7	290	323	357	378	217	258	294	323	73	65	64	54	321
8	426	453	479	508	357	374	409	432	69	79	70	76	293
9	539	582	609	642	456	484	529	553	83	97	80	89	358
10	676	708	758	781	581	606	655	691	95	103	102	90	348
11	810	834	855	886	707	736	758	784	103	98	97	102	322
12	938	978	1021	1034	822	868	903	916	116	110	118	118	336
13	1029	1041	1062	1076	906	913	922	948	123	128	140	128	349
14	1135	1136	1148	1178	968	971	978	1013	157	165	170	164	390
15	1217	1255	1290	1253	1053	1090	1110	1081	165	165	180	172	357
16	1234	1215	1212	1200	1065	1052	1051	1039	169	164	161	161	361
17	1163	1117	1062	1003	1012	972	923	862	151	145	139	141	330
18	936	871	829	801	799	735	694	669	137	137	135	132	347
19	782	760	719	686	652	637	598	577	130	123	121	109	309
20	628	581	525	495	528	471	426	404	100	110	99	92	294
21	474	458	441	424	379	367	354	331	95	92	87	93	281
22			374	374	312	304	304	305			70	69	313
23	376	376	356	338	307	308	305	283	69	68	51	55	268

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR

-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS 6:PALEHUA ELECTRON CONTENT 11 APR 1975

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	312	284	259		257	235	203	165	55	50	56		311
1	190	174	163	154	143	131	119	109	47	44	43	45	298
2	146	138	138	134	101	97	90	85	45	41	48	49	293
3	133												
4								78					
5					76	77	76	81					312
6				271	98	133	172	214				57	322
7	309	352		443	256	301	333	370	53	51		73	275
8	470	505	541	587	409	450	481	518	61	55	59	68	296
9	601	612	635	652	541	552	572	582	61	60	63	69	296
10	670	685	709		593	610	642	664	77	74	67		324
11	784	801	821	849	691	711	746	754	93	90	75	95	320
12													
13													
14													
15													
16					673	655	650	644					293
17				715	643	642	640	633				82	284
18	702	682	646	598	622	595	562	519	80	86	84	80	240
19	543	486	436	369	464	413	355	310	79	72	80	59	254
20	339	297	263		268	229	195	171	71	68	68		239
21		184	178	167	147	131	116	110		53	62	56	223
22	159	158	154	152	103	100	98	96	56	58	56	56	247
23	153	156	145	142	97	97	100	100	56	59	46	42	224

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E-M**3 12 APR 1978

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					102	101	101	104					219
1					108	112	115	117					240
2					117	107	95	87					220
3													
4													
5													
6													
7						139	178	210					
8					250	291	323	357					201
9					376	409	425	445					225
10					465	479	498	519					268
11					529	536	558	580					300
12					597	629	645	660					272
13					674	687	696	704					271
14					713	713	716	713					271
15					719	734	747	759					273
16					779	798	816	833					250
17					848	843	827	810					231
18					797	765	734	696					246
19		806	760	705	651			606				99	214
20	668	631	607	588	578	541	524	503	70	90	91	85	226
21	583	556	544	518	489	481	471	445	94	76	73	73	226
22	492	470	446	426	425	408	378	362	67	62	68	65	225
23		382	351	340	346	326	314	292		56	37	48	203

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 13 APR 1975
10**15 E M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. M.U.
0	326	313	305	298	268	256	249	244	58	57	56	54	220
1	292	288	283	275	240	235	225	209	52	53	59	66	211
2	261	243	243	243	196	184	179	178	65	60	64	66	262
3	243	244	247	247	179	186	191	193	64	59	57	55	265
4	244	243	246		189	185	179	170	55	58	67		257
5			199	198	166	158	149	143			49	55	231
6	195	199	202	243	139	145	161	187	55	54	41	55	235
7	262	288	318	350	202	231	259	296	60	57	60	55	259
8	377	426	457	483	328	368	402	425	49	58	55	57	299
9	509	529	556	592	446	468	487	526	63	61	70	67	357
10	625	658	690	720	548	580	605	642	77	77	85	77	374
11	765	821	877		674	729	784	833	91	92	93		369
12													
13													
14													
15													
16													
17	1227		1132	1082		1116	1077	1027			55	55	
18	1028	958			974	908	835	752	54	49			275
19					653	563	481	407					248
20						391	367	352					
21					338	324	314	305					265
22					296	285	273	266					264
23					261	255	254	253					255

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 14 APR 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.
0	311	302	285	271	247	232	213	200	64	70	73	71	247
1	263				184	169	160	150	79				257
2		179	180	177	142	132	125	120		47	56	58	260
3	173	169	164	165	108	96	90	91	65	73	73	74	311
4	169	170	169	168	95	95	96	96	74	75	73	72	263
5	168	169	174	179	96	100	105	115	71	69	68	64	239
6	180		259	288	132	153	189	211	49		70	78	381
7	323	360	420	462	252	299	348	395	71	61	72	67	446
8	505	541	593	619	431	476	520	547	74	65	74	72	312
9	649	671	694	709	582	599	623	642	67	72	70	67	292
10	722	779	798	814	669	694	717	733	53	85	80	81	286
11	840			853	754	755	746	762	86			91	304
12	863	871	875	856	771	779	787	766	92	93	89	90	306
13	845	853	845	807	755	761	752	726	90	92	93	81	279
14	788	777	777	775	700	690	689	691	88	87	88	84	274
15	764			715	673	654	644	636	92			79	252
16	697	675	660	654	611	588	576	571	86	87	83	82	250
17	645	631	618	602	566	551	537	527	79	80	80	75	250
18	585	556	537	514	502	475	455	426	83	81	82	88	270
19	493	478	465	457	414	399	384	377	79	78	81	80	272
20	441	419	382	355	367	355	316	286	74	64	66	70	250
21	324	303	288	281	253	235	217	212	71	68	71	69	293
22	276	270	263	255	211	207	200	198	65	63	63	57	322
23	248	242			193	189	185	176	55	52			324

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 15 APR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0				179	160	153	147	143				36	236
1	181	180	181	168	142	139	131	118	40	41	50	50	198
2	155	140	128	120	104	91	82	74	51	49	46	46	231
3	114	112	112	111	68	64	64	63	47	48	48	49	321
4	112	111	110	110	61	60	59	59	51	51	51	51	276
5	110	110	113	120	58	58	60	68	52	53	53	52	277
6	137	166	199	237	81	109	146	187	55	57	53	49	318
7	272	310	342	379	215	257	293	321	57	52	48	57	269
8	416	447	470	501	362	392	421	439	54	55	49	62	262
9	525	553	589	614	468	491	519	543	58	62	69	71	301
10	639	663	690	722	566	591	619	649	73	72	71	73	315
11	763	792	822	853	683	708	746	770	80	83	76	83	306
12	881	901	939	982	796	814	852	895	85	86	87	87	321
13	1024	1065	1113	1147	931	970	1014	1051	93	95	100	96	307
14	1171	1184	1189	1185	1074	1083	1085	1082	97	101	104	104	315
15	1188	1199	1216	1228	1083	1091	1106	1119	105	108	110	110	310
16	1232	1234	1221	1200	1126	1127	1117	1093	106	107	105	107	303
17	1171	1145	1115	1080	1077	1039	1018	981	94	106	97	100	279
18	1045	1010	981	953	948	915	881	856	97	95	100	97	275
19	935	896	842	778	831	802	757	697	103	94	85	81	267
20	699	616	533	462	631	542	462	391	69	74	71	71	230
21	408	349	324	314	332	288	259	251	76	62	65	63	191
22	302	299	301	299	245	243	245	245	57	56	56	54	219
23	294	289	280	274	241	235	229	221	53	54	51	53	211

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 16 APR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.P.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	269	264	259	256	216	212	206	202	53	52	53	54	216
1	245	236			194	185	170	156	52	51			224
2	206	203	203	201	149	146	146	146	57	56	56	55	270
3	197	193	189	185	143	141	137	134	54	52	52	52	261
4	182	180	178	176	130	128	127	125	52	52	51	51	253
5	174	164	158	159	120	108	101	102	53	56	57	57	268
6	171	191	208	245	116		162	199	55		47	47	277
7	275	311	342	374	220	255	291	320	54	55	50	54	276
8	408	438	465	497	354	379	414	439	53	58	51	58	284
9	524	555	585	620	465	489	525	553	59	65	60	66	299
10	660	698	730	782	590	633	667	706	69	65	64	76	307
11	818	859	899	938	747	781	812	857	71	77	86	82	305
12	970	1001	1030	1066	880	909	935	969	89	91	95	97	320
13	1110	1140	1173	1200	992	1031	1067	1085	118	109	106	115	328
14	1228	1252	1283	1287	1109	1134	1155	1176	120	118	127	111	313
15	1304	1319	1324	1327	1189	1199	1204	1209	114	120	121	119	320
16	1322	1315	1292	1284	1206	1202	1188	1171	117	113	104	112	309
17	1245	1210	1165	1125	1143	1105	1069	1027	102	105	96	98	293
18	1082	1056	1022	972	996	962	925	876	86	94	98	97	305
19	906	867	807	759	823	776	722	664	83	90	86	95	265
20	699	656	601	546	622	575	529	472	77	80	72	73	254
21	498	450	412	376	426	382	342	313	73	67	69	63	237
22	353	334	317	305	295	269	255	247	59	65	62	58	241
23	296	289	281	276	244	233	231	225	52	56	50	51	276

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 17 APR 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	HR.
0	267	259	257	253	215	208	206	204	52	51	51	49	211
1	252	251	247	243	203	204	201	196	49	47	47	47	230
2	243	239			196	189	177	161	47	50			227
3	204	196	186	179	149	142	134	126	54	54	53	53	272
4	174	169	162	158	118	110	104	98	55	59	58	60	272
5	153	149	148	154	94	92	91	96	59	57	57	58	261
6	170	193	208	246	112	138	163	198	58	55	44	49	267
7	277	312	343	375	221	255	284	318	56	58	59	57	277
8	408	445	473	506	353	382	422	447	55	62	51	59	295
9	529	555	584	598	468	486	509	535	61	69	75	63	290
10	632	661	696	728	559	585	622	649	73	77	74	78	311
11	764	794	830	865	681	704	748	779	83	89	82	85	321
12	902	936	967	1002	807	844	870	909	94	92	96	92	307
13	1021	1056	1077	1113	926	960	976	1002	95	96	102	112	302
14	1136	1161	1192	1222	1028	1057	1080	1106	108	104	112	117	313
15	1247		1299	1290	1133	1152	1169	1172	114		130	118	324
16	1290	1291	1295	1302	1173	1173	1179	1182	117	118	116	120	316
17	1315		1326	1325	1191	1196	1202	1201	123		125	124	309
18	1308	1257	1226	1151	1191	1155	1101	1030	117	103	125	121	298
19		906	800	706	940	809	681			97	120		302
20	645	629	613	596			524	509			88	88	
21	583	558	532	497	491	478	453	426	92	81	79	71	235
22	451	413	371	341	378	337	307	273	74	76	63	67	210
23	313	285			251	222	203	189	63	64			224

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 18 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					165	152	146	140					231
1	202	199	198	203	137	130	133	138	65	69	65	65	266
2	207	206	204	203	142	143	142	142	65	62	61	60	258
3	202	201			143	141			59	60			269
4													
5													
6													
7													
8		477	511	543		425	456	482		51	55	60	
9	583	595	613	625	520	538	551	564	63	57	62	61	295
10	637	654	676	701	570	581	599	632	68	72	77	69	340
11	725	760	784	813	647	677	701	735	77	83	83	79	325
12	841	868	894		755	779	806	831	87	88	88		318
13	945	974			859	876			87	99			291
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SHT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 19 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0													
1													
2													
3													
4													
5													
6													
7		312	341	365		261	291	317		50	50	48	
8	382	409	431	466	331	347	367	405	51	62	64	61	271
9	507	546	581	595	444	480	514	538	63	66	66	57	349
10	623	649	664	663	561	583	598	596	61	66	66	67	277
11	659	649	651	656	586	578	578	585	73	70	72	70	285
12	670	684	698	699	597	615	630	631	73	69	68	68	290
13	694	689	693	692	625	620	623	621	68	69	70	71	280
14	687	680	672	666	613	607	596	588	74	73	76	78	288
15	661	661	663		582	580	580		80	81	83		278
16													
17			674	662			588	580			86	83	
18	644	621	598	557	566	538	519	481	78	82	79	76	246
19	533	486	443		446	408	356	318	87	79	87		253
20	347	326	310	296	282	253	235	214	65	73	74	82	319
21					205	203	203	207					263
22					198	194	187	179					236
23					171	162	157	153					246

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 20 APR 1979
10**15 E M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	I.P. KM.
0					150	147	143	139					242
1			176	178	135	128	123	120			58	58	281
2	176	174	169	164	120	116	111	108	57	59	57	56	266
3	156	151	143	141	99	92	85		57	59	58		312
4	139					78	75						
5													
6													
7													
8				479				416				63	
9	505	524	541	555	438	461	473	479	67	64	68	76	336
10	557	584	600	620	494	511	530	550	63	73	71	70	306
11	650				576	601	646	674	74				304
12		805	836	861	699	728	754	780		77	83	81	286
13	881				799	809	819	836	82				283
14	965	961	955	951	837	839	842	839	128	121	113	112	300
15	951	955	959	960	845	853	860	861	106	102	99	98	295
16	954	945	937	902	851	853	828	806	103	92	108	96	266
17	879	862	847	837	786	768	756	750	93	93	91	88	253
18	821	802	785	759	737	711	698	671	83	91	87	88	237
19	718	672	616	556	636	588	534	477	82	84	81	79	225
20	496	449	406	364	417	369	321	292	79	79	85	72	240
21	333	310	290	279	259	241	218	209	74	69	72	70	259
22	271	265	261	261	206	201	199	199	64	64	62	62	283
23	259	258	257	256	200	199	195	193	59	59	63	63	205

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

AD-A104 362 HAWAII UNIV HONOLULU F/G 4/1
PLASMASPHERIC, FARADAY AND TOTAL ELECTRON CONTENTS, 1977 AND 19--ETC(U)
DEC 80 T H HOELOFS F19628-78-C-0050
UNCLASSIFIED AFGL-TR-81-0143 NL

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AD A104362

ATS-6:PALEHUA ELECTRON CONTENT 21 APR 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	255	257			194	189	182	161	61	68			219
1		188	182	175	147	140	134	128		48	48	48	205
2	168	164	157	150	122	112	102	95	46	52	54	55	223
3	143				88				55				278
4													
5													
6		176	200	209	91	121	143	165		55	56	45	235
7	239	262	283	305	186	202	228	251	53	60	55	54	246
8	325	339	356	376	264	284	301	316	61	55	56	59	236
9	385	417	444	471	337	358	377	410	48	59	67	61	322
10	506	550	587	632	434	473	513	547	72	77	74	86	371
11	678	725	769	815	591	639	680	724	87	86	89	91	347
12	860	902	944	991	760	802	846	888	100	100	98	103	325
13	1039	1082	1122	1158	934	972	1011	1039	105	111	112	119	317
14	1185	1210	1226	1228	1073	1091	1108	1109	112	118	118	120	307
15	1232	1236	1231	1224	1115	1118	1116	1113	117	118	115	111	311
16	1206	1172	1146	1114	1096	1069	1032	1011	110	102	113	103	298
17	1076	1044	1009	971	976	940	909	876	99	105	100	94	272
18	939	911	880	851	854	816	792	759	86	95	89	92	257
19	807	732	675	611	719	660	592	532	88	72	83	79	228
20	550	497	456	410	477	425	391	343	73	72	66	67	252
21	379	364	358	350	311	301	296	286	67	63	62	65	278
22	343	334	322	317	273	266	256	253	70	68	66	64	249
23	313	305	294	288	254	246	241	235	60	58	53	53	222

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 22 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	280	273	263	252	229	219	210	204	51	53	53	48	205
1	246				196	185	170	155	51				196
2	194	190	184	176	148	142	137	129	46	48	47	47	212
3	173	166	162	157	118	109	102	97	55	57	60	60	271
4	154	154	154	155	94	94	94	94	60	60	60	61	242
5	155	154	158	168	92	91	94	104	63	63	64	63	213
6	184	208	241	275	126	148	188	213	58	61	52	61	280
7	305	332	362	403	246	270	305	330	59	62	58	73	278
8	428	459	488	516	363	395	426	455	65	64	63	61	310
9	547	580	601	633	479	507	532	558	68	73	69	76	320
10	667	697	733	775	588	618	648	692	79	79	86	83	339
11	825	877	930	988	734	784	827	887	91	93	102	101	329
12	1053	1119	1176	1231	947	1003	1067	1107	106	116	109	124	322
13	1284	1334	1379	1403	1158	1200	1245	1267	126	134	134	136	349
14	1422	1436	1456	1454	1285	1300	1312	1310	136	136	144	143	350
15	1435	1415	1388	1365	1303	1288	1255	1227	133	127	132	138	326
16	1306				1189	1131	1076	1025	117				312
17			1013	959	986	942	900	858			113	101	279
18	931	890	856	820	823	794	759	731	107	96	97	89	265
19	783	732	686	631	694	643	593	541	89	89	93	90	249
20	589	556	518	479	510	474	436	411	78	82	82	68	[illegible]
21	438	404	361	336	364	323	296	263	74	80	65	73	221
22	314	299	281	268	245	224	208	200	69	75	74	68	252
23	263	260	258	259	201	199	201	202	62	61	57	57	293

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 23 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	265	272	273	264	207	214	215	208	58	58	58	56	222
1	254	251	248	248	200	194	189	192	54	58	59	57	251
2	247	245	241	232	192	193	186	172	55	52	54	60	268
3	209	205	196	186	154	145	138	127	56	60	58	59	239
4	175	168	161	154	114	103	96	91	61	65	64	63	273
5	146	139	137	145	86	80	78	85	60	60	59	60	294
6	165	193	230	252	101	131	154	194	64	62	76	58	316
7	286	329	369	412	218	255	303	344	68	74	66	68	373
8	455	492	530	579	376	422	460	492	79	70	70	86	377
9	595	622	613	595	531	554	543	532	64	68	70	63	291
10	585			588	519	501	497	515	66			73	304
11	612	643	679	711	530	554	587	624	82	89	92	87	308
12	754	793	834	868	653	696	742	766	101	97	92	102	334
13	887	898	901	898	790	797	800	798	97	101	101	100	314
14	901	889	876	860	798	787	770	753	103	102	106	106	312
15	844	833	833	831	740	732	732	730	105	100	101	100	332
16	827	819	812	800	727	717	708	696	99	101	105	104	297
17	787	771	756	732	689	673	649	633	98	98	107	99	292
18	712	692	671	635	614	593	577	536	98	99	94	100	267
19	583	534	493	464	488	433	404	375	95	101	89	89	262
20	438	414	383	359	356	328	310	281	81	85	74	78	292
21	332	310	296	284	254	233	216	206	78	76	80	78	310
22	278	272	266	262	202	198	193	191	75	73	73	71	290
23	263	266	266	267	193	198	205	207	70	67	61	60	286

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 24 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	262	252	245		205	200	188	172	57	53	58		244
1			196	192	155	147	142	138			53	54	243
2	186	183	185	185	135	133	132	131	51	50	53	54	300
3	185	183	180	177	130	127	123	120	56	56	57	57	289
4	177	177	180	183	120	120	122	126	57	58	59	58	259
5	181	180	181	190	123	122	126	133	59	58	56	57	273
6	205	232	260	294	144	176	205	240	61	56	55	54	262
7	320	346	365	386	263	294	311	329	57	52	54	57	276
8	416	439	465	492	357	375	410	433	58	64	55	59	326
9	518	541	557	579	457	475	488	517	61	66	69	61	318
10	596	619	641	664	533	549	572	589	64	70	69	75	324
11	685	704	723	731	617	634	648	663	68	70	74	69	315
12	757	764	776	792	676	689	699	713	80	76	78	79	303
13	810	832	849	862	733	749	760	775	77	83	89	87	283
14	865	855	841	826	780	766	753	742	85	89	89	84	308
15	812	809	814	819	730	725	728	733	82	84	86	85	294
16	821	816	814	809	738	733	730	726	83	83	84	84	289
17	802	795	772	735	718	707	692	665	85	87	81	70	261
18	722	697	662	620	644	622	586	541	78	75	76	78	234
19	580	530	470	423	509	459	405	358	70	71	65	65	232
20	380	348	321	306	312	283	256	244	67	65	65	62	292
21	295	288	281	276	234	227	218	211	61	61	64	64	252
22	267	262	256	248	206	203	199	194	61	59	57	54	233
23	242	235	232	238	190	181	175	170	52	53	57	68	238

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 25 APR 1974
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0			205	205	165	154	146	146			59	59	230
1	206	199	181	191	145	142	128	137	61	57	53	54	227
2	194	196	197	195	141	143	144	144	53	53	52	51	233
3	190	182	172	162	142	135	125	111	48	47	47	51	251
4	151	139	131	125	98	89	82	77	53	51	49	48	234
5	119	116	118	128	73	71	71	80	46	45	47	48	300
6													
7		328	367	408		275	314	353		53	53	55	
8	438	468	501	533	378	421	448	475	59	47	53	58	331
9	556	582	611	645	491	527	547	577	66	55	64	68	316
10	664	686	711	735	590	613	642	660	74	73	69	76	323
11	769	801	828	854	690	720	751	772	80	81	77	82	324
12	875	889	902	903	795	807	817	816	80	82	85	86	307
13	905	902	905	902	822	829	821	810	84	73	85	92	303
14	894	895	901	904	800	800	805	806	94	95	96	98	322
15	906	901			810	815	819	825	96	85			299
16		900	902	895	823	820	805	803		79	96	92	283
17	881	861	840	804	798	777	758	727	83	84	82	77	260
18	774	735	706	669	697	659	633	592	77	76	73	77	269
19	631	596	579	557	549	527	501	481	83	69	78	77	271
20	534	521	508	498	465	444	432	427	69	77	76	71	250
21	495	489	470	449	427	424	410	400	68	65	60	46	215
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 26 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0													
1			324	293			281	253			43	40	
2	253	207	191	172	210	179	147	129	44	28	44	42	215
3	159	151			109	99			50	52			291
4													
5			150	165			95	113			55	52	
6	189	210	236	262	138	165	193	210	51	45	43	52	276
7	283	308	333	356	236	255	282	310	47	52	51	46	280
8	374	386	412	438	323	340	358	374	51	47	54	64	288
9	461	488	515	545	407	428	454	477	54	61	61	68	348
10	579	609	644	675	511	542	576	599	67	67	67	76	323
11	698	727	763	796	629	649	682	712	69	77	80	83	350
12	820	848	881	899	743	758	796	814	77	90	85	85	313
13	933	936	944	950	832	845	853	858	100	90	91	92	312
14	961	970	963	952	868	872	865	853	93	98	97	99	303
15	944				846	830	820	817	98				302
16					817	812	805	799					293
17					788	763	751	734					283
18					707	684	652	622					261
19					574	533	493	459					258
20					421	407	380	359					266
21					339	319	307	297					236
22					296	279	268	266					247
23					257	247	240	243					240

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 27 APR 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					245	243	239	237					229
1					236	226	212	201					210
2					186	169	153	145					226
3					140	137	133	129					256
4					127	125	121	115					246
5					113	114	117	131					252
6					148	180	202	230					288
7					252	274	305	322					362
8					347	364	383	423					356
9					450	480	531	560					354
10					584	625	652	687					325
11					706	739	760	792					317
12					811	848	871	907					317
13					928	959	971	975					324
14					981	977	973	975					333
15					985	993	1001	999					330
16					980	965	946	928					315
17					917	908	880	854					276
18					813	782	745	698					254
19					645	590	520	464					235
20					413	368	325	305					293
21					295	272	260	252					282
22					246	238	234	228					271
23					216	206	201	196					227

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 28 APR 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					191	179	166	157					252
1					154	155	156	157					249
2					156	157	156	154					252
3					152	147	140	136					260
4					132	128	124	122					293
5					122	124	127	137					263
6					151	186	211	248					294
7					262	281	304	320					320
8					348	368	396	424					365
9					448	472	500	527					344
10					545	577	600	630					344
11					643	665	687	699					323
12					712	727	743	756					320
13					774	785	790	790					298
14					787	785	781	777					299
15					776	777	772	765					299
16					764	759	754	746					282
17					732	706	693	671					267
18					643	598	568	530					244
19					494	456	420	395					244
20					363	334	319	309					255
21					299	283	262	252					292
22					246	244	235	225					247
23					218	208	206	202					223

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**2 29 APR 1976

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	283	284	283	283	201	202	202	202	82	83	82	82	252
1	282	282	283	267	205	204	205	202	78	78	79	65	250
2	254	248	246		194	184	172	158	60	64	75		237
3		194	190	182	150	142	133	122		52	57	60	257
4	176	172	169	166	111	104	99	96	65	68	70	69	277
5	164	163	167	175	95	95	98	108	69	68	69	67	211
6	198	241	265	311	136	168	205	250	62	73	60	61	302
7	347	373			288	316	331	333	59	57			236
8		416	436	455	331	347	364	382		69	72	74	302
9	488	531		621	421	467	506	540	67	64		81	368
10	650	681	719	764	569	593	640	671	81	88	79	93	366
11	793	821	845	871	698	732	753	773	94	89	92	99	323
12			947	959	800	816	838	853			109	106	322
13	972	981	989	999	861	865	872	880	110	116	117	118	332
14	1011	1020	1033	1047	893	904	913	922	119	117	120	125	334
15	1061			1134	940	969	983	1006	121			128	319
16	1142	1141	1135		1019	1022	1018	1000	122	119	117		288
17			1042	1027	984	967	944	922			99	105	278
18	993	966		879	881	851	819	786	112	115		93	280
19	853	810		702	750	705	647	602	103	105		100	281
20	655	620	601		551	527	494	471	103	93	107		282
21	534	517	496	484	439	426	413	398	95	91	84	85	258
22	470	455	442	430	382	367	352	337	88	88	90	93	241
23					325	315	306	292					226

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 30 APR 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					269	256	241	222					235
1					211	207	203	194					216
2					179	152	137	123					271
3					118	114	112	121					262
4					129	127	115	108					267
5					109	117	128	139					292
6					159	194	197	193					282
7					198		239	258					301
8					294	320	359	395					399
9					423	450	459	453					318
10					438	424	420	421					299
11					430	457	487	530					402
12					577	622	654	685					327
13					700	711	700	691					262
14					681	664	649	636					292
15					627	615	594	586					310
16					579	567	546	535					286
17					531	522	493	468					246
18					440	420	406	373					236
19					351	318	301	281					297
20					270	278	300	315					277
21					332	345	345	344					260
22					351	344	331	315					244
23					301	273	254	239					269

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 1 MAY 1978

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					216	204	198	193					278
1					188	184	155	137					240
2					129	127	124	119					23.
3					117	119	119	106					279
4					92	86	79	79					328
5					83	86	77						341
6													
7								197					
8					205	221	238	256					411
9					303	339	390	446					447
10					491	530	557	577					322
11					598			641					322
12					723	812	880	937					396
13					961								399
14								972					
15					946	931	919	865					317
16					818	749	681	609					256
17					556	518	487	465					262
18					448	439	426	402					263
19					370	333	306	267					258
20					236	207	199	194					303
21					190	188	177	155					297
22					149	146	146	146					290
23					148	153	155	154					246

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
 -91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 2 MAY 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	179	181		185	150	146	143	140	30	35		45	273
1	182	170	157	146	136	128	109	95	46	42	48	51	293
2	137	133	130	131	88	84	85	84	49	49	45	47	314
3	128	123	120	124	77	79	77	78	51	44	43	46	289
4	123	120	115	110	76	72	67	61	47	48	48	50	328
5	107	108	119	129	58	58	69	77	50	50	50	51	383
6	145	165	178		91	113	133		54	52	45		393
7													
8													
9													
10							274	279					
11		331	334	338	282	275	279	289		56	55	49	282
12	340	342	347	356	291	290	296	304	49	51	52	52	290
13	360	364	373	376	308	309	315	322	53	55	58	54	294
14			417	417	328	343	352	363			64	54	307
15	428	441	454	468	371	383	401	413	58	58	54	55	297
16	482	498	507	514	426	436	446	450	56	62	60	64	279
17	517	517	515	513	457	455	451	446	60	62	64	66	275
18	510	511	510	498	445	443	444	433	65	68	66	65	281
19	480	458	433	412	422	401	373	348	57	57	60	63	257
20	380	361	344	328	319	304	288	269	61	57	56	59	239
21	312	292	279	274	256	233	216	210	56	59	64	63	276
22	272	271	269	268	210	207	209	210	62	64	60	58	249
23	266	263	258	252	208	206	203	201	58	57	55	51	247

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 3 MAY 19..
10**15 E M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. HM.
0	247	243	247		198	191	182	172	49	52	66		248
1		195	188	191	155	140	136	139		55	52	52	331
2	194	195	193	185	143	144	141	129	51	51	52	56	287
3	174	166	167	177	111	102	106	118	63	64	61	60	241
4	176	176	171	169	115	112	107	106	62	65	63	63	307
5	178	184	183	181	112	121	122	121	67	63	61	60	336
6	192	195	193	193	137	141	140	134	55	54	53	59	393
7	195	196	199	200	137	136	140	142	58	60	59	58	652
8			239	243	150	163	180	187			59	56	647
9	246	251	255	260	192	194	197	201	54	57	58	59	718
10	262	265	271	274	203	202	206	208	59	63	65	65	665
11	278	283	289	296	212	222	231	237	65	61	59	59	595
12	300	312	324	332	246	254	262	268	54	59	62	64	538
13	345	357	368		283	293	303	313	61	64	65		517
14			419	428	323	337	352	361			68	67	437
15	438	445	445	447	373	381	382	385	65	64	63	62	382
16	442	435	431	430	379	371	364	362	62	64	67	68	339
17	430	428	425	428	358	357	359	362	72	71	66	66	335
18	430	427	417		365	363	344	323	66	65	73		292
19	372	371	354	326	315	310	293	262	57	61	61	64	281
20	309	307	321	340	243	236	249	259	65	71	72	81	297
21	330	332	360		251	255			79	77			314
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 4 MAY 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	433	417		373	371	355	339	324	62	63		49	297
1	367	358	341	318	317	310	294	265	50	48	47	54	296
2	290	270	272	278	235	223	219	228	55	47	53	50	328
3	297		313	330	239	249	257	272	58		57	58	245
4	337	332	316		288	274	258	248	49	58	59		288
5					232	224							299
6													
7													
8		801	819	835				766				69	
9	849	865	868	876	784	798	797	801	65	66	72	75	277
10	863	851	836	812	794	785	773	750	69	66	64	62	281
11	786	771	731	722	709	699	687	663	77	73	44	58	273
12	701	684	672	666	646	634	618	612	55	50	54	54	290
13	659	650	632	620	603	596	582	570	55	54	51	50	271
14													
15													
16													
17			546	528		532	507	482			39	46	
18	507	483	459	443	466	432	416	393	41	50	43	50	212
19	431	417	373	348	381	364	328	305	50	53	45	43	246
20	320	293	268	250	272	252	223	213	48	41	45	37	232
21	234		204	197	195	184	167	157	39		37	40	204
22	188	180	174	167	148	137	133	126	40	44	40	41	219
23	162	158	155	152	117	115	114	113	45	43	41	39	244

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 5 MAY 1979
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					109	104	103	100					243
1					100	98	95	92					222
2					86	78	72	65					[illegible]
3					60	56	54	52					284
4					53	56	57	57					240
5					55	55							262
6													
7					194	212	242	260					294
8					289	309	328	352					362
9					368	403	426	458					368
10					488	525	563	592					346
11					634	683	726	767					324
12					817	865	902	924					324
13					966	992	1025	1053					337
14					1095	1125	1148	1163					338
15					1177	1172	1165	1156					320
16					1150	1135	1118	1105					321
17					1085	1056	1044	1034					307
18					1014	997	980	946					276
19					903	871	830	776					268
20					731	701	644	595					251
21					539	486	424	368					238
22					310	264	232	212					254
23					203	199	194	194					236

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 6 MAY 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					188	185	177	172					229
1					167	163	162	157					240
2					154	149	147	145					241
3					140	135	128	123					264
4					118	108	101	96					244
5					92	89	90	98					237
6					120	136	150	182					240
7					202	232	253	287					316
8					312	344	365	397					362
9					421	449	472	506					368
10	614	647	681	709	533	568	597	629	81	79	84	80	350
11	725	777	809	844	650	685	715	751	75	92	94	94	332
12	879	902	944	967	785	815	848	864	94	87	96	103	341
13	991	1029	1055	1076	884	921	940	974	107	108	115	102	341
14	1117	1141	1166	1184	1002	1031	1047	1066	115	110	119	119	340
15	1196	1195	1186	1184	1089	1087	1076	1075	107	109	110	109	341
16	1178	1163	1148	1126	1072	1056	1049	1033	106	107	100	94	310
17	1108	1078	1060	1023	1009	993	975	938	98	85	85	85	285
18	971	936	885	840	891	851	810	764	79	84	75	76	287
19	796	757	727	701	718	674	653	627	77	82	74	74	277
20	671	644	614	583	603	579	546	514	68	65	68	69	288
21	543	506	472	436	471	433	399	368	72	73	73	68	267
22	407	378	360	351	331	313	296	286	76	64	64	66	325
23	348	353	353	350	285	293	294	292	63	60	59	58	304

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 7 MAY 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	L.T. KM.
0	348	342	332	322	289	281	273	266	59	61	59	56	232
1	313	302	290	278	259	250	242	230	55	51	48	48	[illegible]
2	266	254	238		213	202	189	173	53	52	49		203
3		199	184	171	157	144	131	116		54	53	54	202
4	164	160	157	155	106	101	98	96	57	59	59	59	237
5	153	154	162	176	93	95	100	118	60	59	62	59	260
6	198	232	250	280	138	158	193	218	60	74	57	63	318
7	309	344	369	406	247	274	307	330	62	70	62	76	364
8	422	448		490	352	374		416	70	73		74	344
9			553	587			475	500			77	87	
10	607	632	660	683	525	541	572	591	82	92	87	92	332
11	707	733	763	786	621	641	665	690	86	93	98	96	328
12	809	837	860	873	714	746	763	778	95	92	97	95	315
13	870	875	864	852	780	785	771	761	90	90	93	91	310
14	839	831	833	839	757	748	750	757	82	82	83	82	314
15	840	841	840	849	760	760	760	765	80	81	81	84	289
16	853	851	844	833	770	769	764	755	82	82	81	78	288
17	818	798	773	758	740	717	698	674	78	81	75	83	281
18	733	713	690	660	657	639	612	584	76	73	78	76	290
19	616	581	555	529	541	501	480	447	75	80	74	82	296
20	516	510	499	487	435	432	425	417	81	78	74	71	291
21	476	468	466	473	404	397	394	401	72	71	72	71	270
22	490	514			420	440			70	74			234
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E M**3 8 MAY 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	437	417	408	407	367	352	344	344	70	65	64	63	219
1	408	416		360	343	345	330	306	65	70		54	205
2	332	306	278	251	279	250	218	192	53	56	61	59	233
3	231	208	196	190	166	143	130	123	65	64	66	67	313
4	192	198	204	206	122	129	133	138	69	68	71	68	263
5					145	154	168						256
6													
7		429	460	483			390	415			71	68	
8	506	536	559	605	432	463	484	531	74	73	75	74	332
9	638	665	694	729	563	581	614	645	75	84	80	85	308
10	754	765	780	806	663	681	691	715	91	85	89	91	312
11	826	864	899	934	740	766	802	829	85	98	96	105	317
12	943	969	976	991	851	868	872	885	93	101	104	106	319
13	1014	1015	1037	1045	915	914	933	940	99	102	104	106	306
14	1054	1063	1073	1078	953	963	970	982	101	100	103	96	333
15	1115	1148	1180	1212	1007	1041	1076	1106	108	108	104	106	315
16	1236	1250	1253	1246	1135	1154	1158	1151	101	96	95	95	291
17	1220	1189	1146	1082	1123	1099	1053	1006	97	90	93	77	306
18	1044	982	939	882	950	891	839	783	94	91	100	99	318
19	816	733	662	603	718	647	570	517	98	87	93	87	307
20	557	522	505	495	475	438	428	422	82	84	77	73	269
21	491	489	489	486	422	421	422	419	70	68	67	68	266
22	480	474	458	409	412	404	377	323	68	70	81	85	265
23	375	354	343	342	287	264	256	260	88	90	86	82	280

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 9 MAY 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	353	377	407	407	275				79				330
1	373	322	279	250	318	265	221	193	55	57	59	58	193
2	239	230	192	188	176	150	118	114	63	80	74	74	331
3	189	195	207	195	115	124	136	143	74	71	71	52	333
4	208	202	207	203	138	131	136	139	70	71	70	63	318
5	207	208	208	208	132	135	134	135	75	73	73	72	307
6	229	234	243	252	142	152	163	176	87	82	81	77	484
7	262	274	285	295	186	194	202	210	76	79	83	85	516
8	302	305	309	314	214	215	221	228	87	90	87	87	552
9	320	322	321	323	235	235	234	235	86	87	88	88	582
10	329	335	342	338	241	245	251	251	88	90	91	87	518
11	330	320	317	308	246	240	239	228	84	81	78	79	434
12	299	295	293	292	223	220	216	217	76	75	77	75	433
13	293	298	301	304	217	224	231	237	76	74	70	66	372
14	309	315	324	332	244	250	257	263	65	65	68	68	333
15	343	355	369	379	278	294	306	314	65	62	63	65	339
16	384		404	409	322	330	336	344	62		68	65	334
17	414	419	424	428	351	357	363	364	62	62	62	64	294
18	426	424	420	413	364	360	356	343	63	64	64	69	298
19	407	406	404	384	335	334	328	324	72	72	76	61	306
20	381	369	350	338	316	308	291	275	65	61	59	63	282
21	330	322	315	310	267	261	255	250	63	61	60	59	261
22	303	298	294	292	245	240	238	236	58	57	56	56	245
23	289	285	289	293	232	229	236	234	58	56	53	59	237

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10 MAY 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	306	271	271	273	248	209	212	218	58	62	58	55	326
1	266	260	252	245	204	205	200	194	62	55	52	51	299
2	236	230	208	202	186	173	158	146	49	57	49	55	246
3	192				137				55				251
4													
5													
6													
7				340				280				60	
8	367	384	414	432	304	323	350	364	63	62	63	68	370
9	450	468	492	513	383	405	424	443	66	63	68	69	347
10	534	555	579	601	464	477	505	527	70	78	74	74	323
11	624	643	662	683	544	565	580	598	80	78	82	85	331
12	712	735	756	772	635	653	666	685	77	83	89	87	319
13	785	800	820	847	695	706	731	756	90	95	89	92	338
14	877	898	909	932	784	808	818	830	93	89	92	102	316
15	949	969	988	1002	856	875	886	903	93	93	102	98	307
16	1012	1030	1033	1033	924	937	942	945	88	93	90	87	305
17	1020	994	958	930	941	916	881	842	80	78	77	86	273
18	887	851	824	802	813	773	749	720	74	78	74	82	293
19	776	755	719	677	699	668	638	595	77	87	81	82	286
20	643	620	602	591	562	544	532	523	81	75	71	69	278
21	584	560	533	489	515	496	462	423	69	64	72	66	259
22	452	433	428	421	382	367	363	358	71	66	65	64	271
23	415	412	406		350	346	340	333	65	66	66		258

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 11 MAY 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0		384	382	374	327	324	324	319		60	58	54	262
1	360	346	331	315	306	295	278	260	54	50	53	55	226
2	305	294	285	282	250	238	227	222	55	56	58	60	203
3	278	273	269	268	215	210	206	205	63	62	63	63	225
4	266	258	249	240	204	199	190	186	62	59	59	54	230
5	235	233	234	238	179	176	172	176	56	57	62	62	265
6	258	280	299	316	193	208	238	250	65	72	61	66	330
7	329	333	335	336	260	263	263	263	69	70	72	73	344
8	338	339	346	355	264	264	271	285	74	75	75	70	439
9	368	381	384	406	294	304	312	324	73	77	73	82	435
10	414	429	451	470	336	349	365	389	78	80	86	81	443
11	489	506	523	543	415	424	441	462	74	81	83	81	379
12	560	578	593	613	479	499	521	536	81	79	73	76	321
13	628	640	644	639	550	565	567	560	79	75	77	79	276
14	625	619	617	615	550	542	539	537	76	76	78	78	301
15	618	627	637	642	542	550	559	566	75	77	78	76	313
16	644	646	647	645	573	575	575	573	71	71	71	72	298
17	633	621	610	590	560	548	541	517	73	72	69	73	281
18	561	548	526		502	482	457		59	66	69		288
19													
20													
21													
22													
23						178	165	157					

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 12 MAY 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	208	203	198	190	152	148	145	140	55	55	52	50	238
1	183	179	175	178	133	129	126	126	51	50	50	53	250
2	174	173	168	163	119	118	111	106	55	54	56	57	257
3	161	155	152	152	101	96	95	94	60	59	57	58	234
4													
5													
6			234	261			182	206			51	55	
7	285	299	312	321	233	245	253	259	52	54	60	62	300
8	341	354	369	385	285	297	307	334	56	57	62	51	387
9	414	441	478	513	349	370	410	442	65	71	67	71	461
10	549	581	617	655	475	512	539	579	74	69	78	75	358
11	679	711	733	755	605	638	651	668	74	73	82	87	320
12	763	763	774	784	690	690	697	703	73	72	77	81	313
13	794	805	810	827	712	724	729	747	82	82	81	79	314
14	838	853	875	885	762	774	797	806	77	79	78	79	312
15	893	898	891	881	812	815	809	804	81	82	82	77	291
16	870	867	856	847	791	787	777	769	80	79	79	78	288
17	839	836	843	851	763	759	763	772	77	77	80	79	302
18	869	869	857	836	789	795	786	770	81	74	71	67	269
19	803	764	704	656	737	700	647	589	66	64	57	67	265
20	588	538	477	419	537	480	422	365	51	58	54	55	279
21	382	353	333	321	323	301	271	262	60	52	62	60	276
22	302	286	271	281	242	226	212	221	60	60	58	60	237
23	275	265	254	248	216	209	202	199	58	56	53	49	332

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 13 MAY 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	245	243	240	238	198	192	188	188	48	51	52	50	229
1	237	240	239	237	183	184	186	180	53	55	53	56	256
2	233	237			173	169	166	164	60	67			279
3		205	208	205	158	153	150	153		52	57	52	255
4	202	203	197	197	152	151	150	150	50	52	47	47	231
5	208	208	207	209	148	146	147	153	60	63	60	56	245
6	232	249	268	287	171	188	204	230	61	62	63	58	275
7	311	339	366	402	250	276	306	330	60	63	60	72	331
8	421	455	488	516	357	393	421	452	64	62	67	63	312
9	535	558	579	594	468	486	511	527	67	72	68	68	307
10	616	638	652	674	541	567	576	595	75	71	76	79	312
11	704	754	778	813	632	662	697	736	72	92	81	77	323
12	835	854	870	877	757	770	788	796	78	84	83	81	305
13	871	863	862	854	789	774	774	763	83	89	88	91	308
14	827	827	826	823	753	738	737	731	84	88	89	92	307
15	833	848	868	886	748	763	777	796	85	85	91	90	297
16	898	908	909	929	809	819	828	835	89	89	81	94	282
17	933	937	939	937	848	854	859	853	85	83	81	84	272
18	931	908	902	880	843	833	821	799	87	75	80	81	268
19	856	822	777	733	777	750	701	658	79	72	76	75	271
20	694	660	634	604	622	591	558	539	72	70	77	65	298
21	583	549	508	480	515	479	436	415	68	70	72	65	254
22	462	448	439	430	392	376	371	364	71	72	68	66	288
23	422	415	408	384	358	354	348	336	65	60	60	48	214

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 14 MAY 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. Km.
0	380	361	337	310	323	306	281	258	57	55	55	52	190
1	286	269	250	239	235	213	199	190	51	56	51	49	224
2	231			208	178	168	158	152	53			57	283
3	208	207	205	203	148	147	143	142	60	59	61	61	254
4	202	202	202	200	140	140	141	140	62	62	61	60	232
5	197	194	195	202	138	136	138	143	59	58	57	58	229
6	209	230	252	284	152	177	197	227	57	53	55	58	277
7	316	349	382	414	251	291	317	349	65	59	66	64	382
8	452	487	524	557	379				74				388
9	588	614	644	668		533	562	582		81	82	86	
10	690	707	727	735	601	624	638	645	89	83	88	90	341
11	754	767	790	800	657	674	694	703	97	93	96	97	335
12	805	813	809	804	711	721	716	712	94	92	93	93	319
13	799	795	789	781	710	705	699	694	90	90	90	88	309
14	775	772	777	784	690	686	688	693	85	86	89	91	309
15	792	801	810	822	701	707	716	727	91	94	94	95	319
16	829	838	840	846	742	754	758	762	86	84	82	84	319
17	846	847	842	833	765	764	759	754	81	83	83	80	271
18	824	798	775	734	742	718	695	662	82	80	81	72	259
19	715	682	644	607	641	606	562	537	74	76	81	70	256
20	560	535	502	482	499	461	434	418	61	74	68	64	278
21	461	438	417	403	395	371	352	331	66	66	66	72	269
22	381	365	345	329	316	303	278	264	64	62	67	65	264
23	319	313	308	303	255	251	246	243	64	63	62	60	283

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 15 MAY 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	301	298	295	289	241	238	238	232	60	59	57	57	225
1	285	284	281	278	227	226	220	217	59	58	61	62	227
2	278	276	274	267	214	214	210	204	63	62	63	63	235
3	251	264			189	170	163	161	62	64			[illegible]
4					159	157	157						241
5													
6		292	321	347		215	246	270		77	76	78	
7	374	406	431	459	303	331	353	377	71	75	78	82	360
8	486	513	533	549	414	435	455	465	72	78	78	83	339
9	562	587	605	623	475	503	524	534	87	83	81	89	330
10	651	676	704	733	560	583	612	639	90	93	93	94	323
11	761	795	821	854	665	699	723	753	96	96	98	101	345
12	890	933	964	1006	789	824	865	904	101	108	99	101	323
13	1049	1106	1120	1138	945	983	1019	1038	105	122	101	100	312
14	1136	1140	1139	1142	1040	1043	1041	1042	96	97	98	100	313
15	1136	1134	1128	1119	1041	1038	1035	1024	95	96	93	95	305
16	1111				1015	998	983	962	96				305
17			1029	1017	950	940	933	924			96	93	305
18	1003	979	952	909	906	887	866	833	96	93	86	76	291
19	883	839	786	734	789	759	705	660	94	81	81	74	268
20	717	694	668	642	640	609	582	551	77	85	86	91	258
21	625	613	601	581	543	534	526	501	83	78	75	80	251
22	555	529	499	472	479	448	427	400	76	81	72	72	267
23	447	421	406	384	373	349	330	318	74	72	76	67	249

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 16 MAY 1978

	TOTAL				FARADAY				PLASMASPHERE				S.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	371	353	342	331	304	284	268	259	67	69	74	72	249
1	322	313	306	305	253	247	241	237	69	67	65	67	236
2	300	296	289	276	232	228	216	203	68	68	73	73	[illegible]
3	262	255	248	243	194	188	183	176	68	68	66	66	264
4	240	235	233	233	172	163	159	155	68	72	73	78	251
5	232	232	238	250	154	153	163	182	78	79	75	68	248
6	276	295	311	325	198	223	244	252	78	72	67	73	261
7	333	347	364	379	262	278	296	306	71	68	68	72	337
8	384	408	419	439	316	330	345	360	69	78	74	79	406
9	457	476	500	523	374	396	414	433	83	80	86	91	383
10	549	577	587	604	464	483	499	520	84	94	87	84	364
11	621	634	649	661	533	544	560	573	87	90	89	89	331
12	672	684	691	701	584	592	598	612	89	92	92	89	314
13	707	707	709	706	622	625	627	621	86	82	82	85	309
14	702	698	696	693	618	611	606	600	85	88	91	93	286
15	693	693	694	693	601	601	603	601	91	91	92	92	[illegible]
16	685	680	675	675	597	592	589	588	88	87	86	87	285
17	669	661	654	644	585	578	568	556	84	83	86	88	280
18	635	624	615	606	550	541	533	522	86	83	82	84	[illegible]
19	599	582	560	552	514	493	476	463	86	88	84	89	258
20	538	529	523	519	447	438	435	432	91	92	88	87	250
21	511	493	467	441	428	416	382	362	83	78	85	79	247
22	424	409	385	373	340	321	307	291	84	88	79	82	273
23	363	356	351	347	275	267	263	260	88	89	89	86	[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 17 MAY 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	343	339	337	331	259	257	257	254	84	82	80	77	259
1	325	322	313	304	250	248	242	231	75	74	71	73	264
2	292	278	262	243	215	205	192	178	77	74	70	66	220
3	230		210	208	155	143	136	134	75		74	74	265
4	206	202	197	193	130	125	119	115	75	76	78	78	253
5	190	191	199	210	110	112	122	135	80	79	77	75	253
6	237	270	306	339	156	193	231	260	81	77	75	79	323
7	368	404	417	430	295	314	344	350	73	90	73	80	302
8	443	458	472	492	361	373	388	408	81	85	83	85	338
9	512	533	552	579	420	441	464	479	91	92	88	100	344
10	597	610	627	650	500	519	533	551	97	91	95	98	341
11	663	677	693	707	567	578	588	605	96	99	104	102	339
12	724	737	764	779	630	644	661	676	94	93	103	103	327
13	789	798	803	807	690	700	705	708	98	98	98	99	315
14	810	812	808	812	713	712	707	707	97	100	102	105	301
15	813	813	810	805	711	711	709	706	102	102	101	99	300
16	802	797	780	757	710	705	692	664	93	92	88	92	266
17	718	686	659	632	638	598	569	544	80	87	89	88	257
18	608	587	561	546	525	497	477	452	83	89	84	94	282
19	525	503	480	452	434	416	388	361	91	87	92	91	274
20	431	415	404		334	320	311	304	97	94	93		279
21	381	384	382	380	300	297	293	291	81	87	88	89	268
22	374	369	362	352	283	276	269	261	91	93	93	91	252
23	343	338	334	332	253	251	248	249	89	87	86	83	253

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 18 MAY 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	331	327	325	322	250	248	248	245	81	79	77	77	239
1	318	310	294	279	242	233	215	204	76	77	79	75	242
2	266	257	253	245	196	187	182	173	70	71	71	72	266
3	245	245	241	234	171	171	161	151	74	75	79	83	246
4					143	134	128						230
5													
6			313	348			230	263			83	86	
7	377	406	431	453	296	318	348	365	81	88	83	89	370
8	474	496	519	537	390	413	428	449	83	83	91	88	341
9	549	560	581	595	460	468	481	500	88	93	99	95	369
10	611	629	646	660	518	531	544	561	93	98	102	100	353
11	676	680	680	680	577	578	577	576	99	102	103	104	339
12	682	689	698	707	580	585	591	601	102	104	107	106	340
13	718	726	731	728	618	632	638	635	100	94	93	92	311
14	721	721	715	710	629	629	620	610	92	92	95	100	316
15	700	694	688	679	601	597	592	586	99	97	96	93	302
16	671	668	665	660	581	578	572	566	90	90	93	94	302
17	651	643	638	636	558	550	545	544	93	93	93	92	280
18	633	629	624	611	543	541	536	525	90	88	88	86	264
19	595	579	555	529	506	486	466	438	90	92	89	91	263
20	503	481	459	439	423	395	375	356	80	86	84	83	288
21	422	413	416	416	334	326	329	331	88	87	87	85	274
22	417	424	417	414		343	336	332		81	82	81	
23					317	292							239

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 19 MAY 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T.
0	350	343	332	319	277	265	259	250	74	77	73	70	247
1	314	311	305	295	247	243	234	225	67	67	71	70	221
2	285	278	274	275	213	208	205	206	73	70	69	69	164
3	275	274	270	261	207	205	202	195	68	68	68	66	246
4	251	244	241	242	186	175	170	170	65	70	71	72	267
5	240	239	245	259	170	165	171	189	70	74	74	70	243
6	280	308	337	373	204	235	256	297	76	73	81	75	310
7		430	455	476	322	345	365	392		85	90	84	338
8	495	525	548	578	415	438	463	480	80	88	85	98	313
9	590	607	624	635	503	521	531	540	87	86	92	95	324
10	653	672	686	702	561	581	593	613	91	92	93	89	313
11	715	728	735		626	636	642	648	89	92	94		320
12	756	760	771	777	652	661	674	679	104	99	97	98	307
13	778	789	792	795	685	694	694	696	93	94	97	99	317
14	784	789	788	788	698	694	693	691	96	95	95	97	308
15	783	776	765	755	690	684	674	660	93	92	92	94	305
16	734	720	705	693	650	632	608	597	85	88	97	95	295
17	683	677	674	672	592	587	585	585	91	90	89	87	265
18	667	660	651	634	583	574	563	549	84	86	88	86	262
19	609	588	560	546	533	502	486	465	76	85	75	81	251
20	521	496	468	439	440	421	389	365	82	75	79	74	253
21	413	384	380	372	332	317	307	299	81	68	72	73	278
22	368	364	365	364	294	289	292	289	74	75	73	75	268
23	361	363	364	366	286	292	292	299	75	71	72	67	255

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 20 MAY 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. MN.
0	362	359	353	345	293	290	286	276	69	69	67	68	240
1	347	350	348	334	286	293	294	274	62	58	55	60	184
2	312	289	266	245	253	231	206	192	60	58	59	53	216
3	231			211	188				43				277
4	210	208	205	200									
5	203	202	196			137	141	154		65	55		
6	243	263	284	310	175	196	219	243	69	67	65	67	281
7	330	349	367	378	249	276	304	313	81	74	63	64	379
8	415	442	466	498	344	364	390	419	70	78	76	79	353
9	531	552	597	632	454	484	518	546	78	67	80	86	356
10	670	700	725	768	583	619	642	673	87	81	82	95	330
11	793	820	841	863	700	729	745	760	93	91	97	102	324
12	891	900	940	959	795	812	834	857	96	87	106	102	330
13	985	1005	1023	1041	878	894	916	929	107	110	107	112	330
14	1057	1070	1067	1042	947	971	980	985	110	99	87	57	332
15	1036	1043	1045	1050	984	985	985	978	51	59	60	72	316
16	1055	1063	1065	1065	982	975	960	965	73	88	105	100	320
17	1065	1060	1055	1050	966	960	951	949	99	100	104	102	311
18	1048	1034	1020	1003	941	921	896	878	107	113	124	124	269
19	971		899	848									
20	796	734	665	619	733	660	585	539	63	74	80	80	278
21		578	559	544	506	490	481	465		87	79	79	277
22	523	500	471	446	444	430	388	369	79	70	83	77	243
23	428	411	382	365	352	334	315	289	76	76	68	76	240

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 21 MAY 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	353	342	333	329	271	263	257	255	82	79	76	74	200
1	324	321	313	306	252	251	242	236	72	71	72	69	202
2	296	287	278	269	224	215	206	200	72	72	72	69	209
3	259	246	237	233	191	181	169	161	68	65	68	72	221
4	231	237			154	146	141	132	77	91			234
5	208	206			128	130	136		79	76			276
6													
7													
8													
9													
10													
11		816	856	889		716	757	789		100	99	99	
12	906				796	817	816	818	111				325
13	932	938	934	937	828	838	830	833	104	101	103	104	310
14	933		905	885	829	823	813	790	103		92	95	306
15	861	839	809	768	774	759	721	688	87	81	88	81	274
16	732	694	656	621	656	612	581	546	76	81	74	75	264
17	589	555	513	484	524	487	444	420	64	68	69	64	231
18	457	441	423	408	390	371	355	335	68	70	69	73	233
19	384	381	364	345	322	311	292	269	62	70	72	76	294
20	327	314	303	296	255	242	227	218	72	73	76	78	303
21	293	289	284	282	213	210	207	206	80	80	77	76	367
22	280	280	278	277	204	206	206	205	77	75	73	71	249
23	275	274	276	270	204	206	209	204	70	68	67	65	247

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 22 MAY 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	255	252	245	240	192	190	184	177	63	62	62	63	247
1	236	234	232		172	168	163	158	63	66	69		240
2		208	200	188	150	143	136	127		64	64	61	228
3	178	171	165	163	112	102	96	93	66	69	69	69	300
4	160				90				70				284
5													
6			262	294		163	200	236			62	58	
7	325	348	365	382	256	290	305	317	70	58	60	66	289
8	405	426	451	478	338	353	371	408	67	73	79	70	355
9	497	526	542	557	423	452	465	475	74	74	77	83	354
10	581	590	604	616	494	517	526	532	86	72	78	84	331
11	633	658	674	692	549	575	589	606	85	82	85	86	328
12	714	732	758	765	633	648	668	689	81	84	90	77	308
13	769	767	758	732	696	696	687	662	73	71	71	70	272
14	707	679	651	625	642	610	585	552	65	69	66	72	275
15	599	584		557	534	520	501	489	65	64		68	277
16	550	547	542	537	483	480	474	468	66	66	68	69	289
17	536	537	537	543	468	467	465	469	68	70	72	74	280
18	550	549	545	540	473	474	470	463	76	75	75	77	254
19	533	521	503	476	456	445	432	411	77	76	70	65	241
20	452	429	405	378	384	366	334	315	69	63	71	62	252
21	358	335	308	286	296	267	239	216	63	68	69	70	269
22	269	256	245	237	202	194	181	167	67	62	64	70	298
23	234	233	233	232	161	161	160	154	72	71	73	78	268

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 23 MAY 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	I.M.
0		207	206	208	148	144	138	145		62	68	63	246
1	205	205	204	201	142	142	139	139	62	62	65	62	251
2	195	188	185	182	135	131	129	123	60	57	56	59	246
3	179	176	174	170	118	113	108	101	61	63	66	68	246
4	167	167	167	171	100	98	96	102	67	69	70	69	266
5	177	183	189	197	107	115	121	131	71	68	68	66	264
6	204	207		236	138	141	149	163	65	65		73	283
7	243	252	258	264	184		195	201	60		63	63	423
8	275	289	303	322	209	228	245	258	65	61	58	64	407
9	342	359	377	385	276	307	310	330	65	52	66	55	445
10	411	428	453	474	348	365	386	408	63	63	68	66	357
11	486	493	493	492	421	424	422	423	65	70	71	69	352
12	497	506	516	521	430	437	448	455	67	69	68	65	317
13	523	521	518	514	457	453	448	444	66	68	70	69	312
14	513	507			446	441			66	66			329
15													
16													
17	528	535	534	530	464	471	470	465	64	65	64	65	383
18	525	503	483	456	461	436	421	390	65	67	61	66	243
19	421	383	354	314	363	323	296	254	59	61	58	60	238
20	278	258	239	209	216	200	184	160	63	58	55	50	274
21	205	194	187	180	142	132	125	118	62	62	62	62	296
22	176	175	175	174	115	113	113	113	61	63	62	61	266
23	172	171	174	176	113	113	117	120	59	58	56	56	280

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA

ELECTRON CONTENT
10**15 E/M**3

24 MAY 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	MM.
0	178	180	176	168	123	127	120	108	55	54	57	59	266
1	161	160	157	153	101	100	98	94	59	60	59	59	271
2	151	151	154	156	93	93	97	100	58	58	57	56	230
3	155	155	156	153	98	100	102	100	57	55	54	54	211
4	147	140	135	133	93	86	82	82	54	55	52	51	232
5	136	140	149	163	82	84	90	106	54	57	59	57	257
6	187	209	239	259	131	160	189	203	56	49	50	56	314
7	270	269	277	290	214	211	217	232	55	57	59	59	283
8	309	333	361	384	245	265	299	323	63	68	62	62	477
9	425	462	496	525	357	397	424	453	69	65	72	72	403
10	551	583	600	621	472	503	526	540	79	80	74	81	378
11	635	654	665	670	559	576	584	589	76	77	81	81	317
12	672	674	676	681	592	592	595	599	80	82	81	82	324
13	690	699	694		615	626	620		75	73	75		309
14													
15													
16		694	686	671		624	614	601		70	72	70	
17	652	623	590	553	587	554	532	490	65	68	58	63	259
18	513	480	451	425	453	420	388	364	60	60	63	62	261
19	404	380	359	338	338	318	300	275	66	62	59	63	271
20	317	303	292	281	257	245	232	219	60	57	60	63	270
21	274	270	272	278	209	208	211	216	65	62	60	62	261
22	276	274	270	265	213	213	213	209	62	60	57	56	241
23	262	260	262	271	207	207	205	216	55	53	57	55	228

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

CORRECTED FOR
SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 25 MAY 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	279	279	275	267	222	221	216	209	57	58	59	58	228
1	259	255	246	241	203	200	193	191	56	56	54	50	255
2	238	234		206	190	184	174	161	48	50		44	[illegible]
3	201	193	185	178	150	140	132	126	50	53	53	53	235
4	171	163	159	158	116	103	96	93	55	60	62	65	257
5	157	159	166	181	91	92	102	122	66	67	64	59	643
6	201	233	247	269	138	168	192	208	63	64	56	60	286
7	284	299	310	321	230	243	250	258	55	56	60	63	321
8	334	350	368	382	272	293	306	327	62	58	62	55	426
9	416	439	460	481	354	370	397	415	61	69	64	66	381
10	505	524	543	560	429	455	469	484	76	70	73	76	359
11	582				511				70				356
12													
13			701	709		613	626	635			75	74	
14	716	724	734		643	649	657	667	73	75	78		307
15					674	677	671	663					298
16	732	730	719	708	661	657	650	642	72	73	69	66	292
17	688	660	637	617	614	591	570	549	74	69	67	68	284
18	591	559	536	503	532	496	468	434	60	64	68	69	281
19	474	452	426	404	417	382	360	330	57	70	66	74	290
20	380	365	350	337	316	306	292	276	63	59	58	61	283
21	327	318	312	310	265	258	254	252	62	60	58	57	259
22	307	305	302	297	249	248	247	243	57	57	55	54	250
23	290	284	288	285	234	230	233	231	56	54	55	54	245

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 26 MAY 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	283	283	281	272	230	230	226	215	54	54	55	57	259
1	257	246	238	231	203	196	188	179	54	51	49	52	248
2					166	160	161	164					238
3				204	165	160	153	148				56	237
4	208	208	208	201	143	140	143	146	66	67	64	55	223
5		183			146	147	155	176		37			228
6	258	277	297	322	194	213	237	253	64	63	60	69	304
7	341	357	377	386	279	296	308	319	62	62	69	67	323
8	405	420	438	461	338	350	365	394	67	71	73	67	346
9	484	507	523		414	429	448		70	78	76		332
10													
11				674				591				83	
12	693	704	720	726	614	630	642	645	78	74	77	80	299
13	730	731	732	733	651	651	651	657	79	81	81	76	302
14	731	724	723	726	655	649	645	651	76	75	78	75	308
15	731				662	661	662	663	70				316
16		756	764	784	670	671	679	695		85	85	88	315
17	800	816	828	837	712	725	746	761	88	91	81	76	335
18	843	847	847	842	766	767	767	767	77	80	80	76	271
19	833	820	802	779	760	747	725	707	72	73	77	72	262
20	756	722	694	660	678	652	625	594	78	70	69	66	247
21	619	579	552	534	548	505	482	469	70	74	69	65	290
22	509	489	466	443	440	423	403	376	69	66	63	67	241
23	424	404	382	380	359	336	321	317	65	67	62	62	270

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 27 MAY 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	375	370	364	361	314	310	306	304	61	60	58	58	218
1	360	353	342	329	303	299	290	270	57	54	52	59	199
2	317	305	291	283	256	244	231	222	62	61	60	61	228
3	280	278	274	269	217	215	210	206	63	63	64	63	218
4	263	258	251	243	201	198	192	185	62	60	59	58	227
5	236	233	234	241	176	167	169	180	60	66	65	60	252
6	253	272	292	312	194	206	230	247	60	66	62	66	278
7	336	358	380	405	264	294	309	330	72	64	70	75	340
8	424	447	474	498	351	374	403	420	73	73	70	78	336
9	521	547	560	584	442	466	482	506	80	80	79	77	333
10	601	619	636	653	523	531	545	563	78	87	91	90	337
11	672	688	704	720	582	595	615	631	91	93	89	89	324
12		761	769	781	650	661	682	690		99	88	91	316
13	786	785	789	795	698	696	698	699	88	89	91	96	328
14	804	812	818	826	710	715	717	719	94	97	101	107	319
15	831	831	823	808	732	714	708	710	99	117	115	98	299
16	792	780	770		701	693	675	662	91	87	95		309
17		727	728	727	653	647	646	647		80	81	80	297
18	727	726	724	718	650	647	645	640	77	79	79	78	270
19	704	689	665	637	625	611	593	563	79	78	73	74	241
20	602	555	517	473	537	488	443	406	65	68	74	66	226
21	432	408	378	362	365	328	310	299	68	80	68	63	292
22	350	344	339	336	279	269	265	264	72	75	74	72	249
23	333	328	323	316	261	257	254	249	72	71	69	67	233

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 28 MAY 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	307	301	297	291	242	238	233	224	65	63	64	67	226
1	285	278	271	264	214	207	202	197	71	71	69	67	236
2	258	254	251	245	190	187	184	183	68	67	67	63	245
3	245	246	248	252	181	184	186	189	64	63	63	63	227
4	256	256	254	249		193	190	187		63	64	62	
5	242	238	239	244	180	171	172	184	62	66	67	61	238
6	261	278	296	314	196	213	232	247	65	66	64	68	281
7	334	348	368	382	261	281	302	314	73	68	66	67	327
8	410	434	462	484	336	357	379	408	73	77	83	76	400
9	510	536	555	588	425	456	475	504	85	80	80	84	346
10	609	629	649	666	524	536	556	574	85	93	93	93	350
11	682	702	721		587	610	634	647	94	93	86		321
12	764	772	780	783	668	679	687	690	95	93	93	93	309
13	788	786	786	781	697	695	694	691	91	91	92	90	308
14	771	762	728	723	687	672	660	651	84	89	67	72	294
15	703	697	707	706	640	631	630	639	63	66	77	67	296
16	706	718	724		645	650	656	661	61	68	68		304
17					670	677	677	672					296
18		726	724	704	665	659	653	640		66	71	64	276
19	691	688	667	660	612	600	589	570	79	88	78	89	250
20	644	622	601		550	536	513	490	94	86	88		263
21	553	532	521	524	475	465	457	445	77	67	64	79	265
22	521	519	528	531	449	456	463	461	71	62	66	70	250
23	527	522	506	485	454	443	431	421	73	80	75	64	244

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 29 MAY 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	486	488	483	483	419	424	423	423	67	64	60	59	318
1	483	480	470	451	426	421	414	397	57	59	56	54	200
2	429			367	369	345	341	310	60			57	209
3	316	302	293	277	244	234	227	208	72	68	66	69	
4	264	254	250	248	200	188	183	179	64	66	67	69	264
5	247	252	258	273	180	185	190	203	68	67	68	70	287
6	297	317	336	377	227	245	275	309	70	72	61	68	270
7	413	417	438	456	328	345	357	371	84	72	81	86	321
8	479	497	510	520	407	418	423	429	72	79	87	90	346
9	534	554	584	589	444	461	473	493	90	93	110	95	321
10	609	629	657	678	517	532	556	579	92	98	100	99	309
11	705	729	759	773	601	633	649	666	105	96	110	107	312
12	789	798	810	821	682	690	700	706	107	108	111	114	321
13	836	847	859	869	723	739	751	760	114	108	107	109	319
14	878	886	892	890	767	770	778	785	112	116	114	105	314
15					794	792	799	808					315
16				886	813	817	813	804				82	300
17	893	884	880	864	791	782	779	767	101	102	101	97	292
18	848	831	812	794	753	730	714	697	95	101	98	97	290
19	766	729	690	627	668	648	603	545	98	81	87	82	281
20	555	514	468	441	484	430	389	362	71	83	79	79	279
21	424	412			337	321	314	310	88	91			307
22	378	365	358	357	297	280	274	276	81	85	85	81	271
23	368	359	351	347	289	280	268	264	79	79	83	82	270

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 30 MAY 1978

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	344	344	342	337	261	261	261	256	83	83	80	81	261
1	327	327	332	339	250	251	257	264	77	77	75	75	256
2	339	333	328	328	265	258	256	254	73	74	72	74	242
3	325	321	314	307	251	247	243	236	74	74	71	71	230
4	298	289	281		221	209	202		77	80	79		277
5													
6		245	253	264			179	187			74	77	
7	277	290	305	322	195	207	228	243	81	83	77	80	503
8	344	364	379	418	263	291	310	342	81	73	69	76	450
9	434	455	472	486	361	375	406	414	73	81	66	72	362
10	495	507	527	554	421	428	450	472	74	78	77	82	376
11	584	592	607	619	497	521	530	539	87	72	77	79	326
12	638	653	670	688	557	573	588	601	81	79	83	87	316
13	703	716	720		636	647			67	69			294
14				721			650	653				68	
15	723	725	720	718	652	648	644	645	71	76	76	73	297
16	721	727		764	646	650	657	668	75	77		96	304
17	775	790	797	798	688	702	708	712	87	88	89	86	273
18	799	798	794	785	717	716	714	706	83	82	80	79	261
19	771	759	729	714	693	674	660	642	78	84	69	72	263
20	685	652	622	583	607	580	548	509	78	72	74	74	290
21	540	496	448	412	471	423	373	335	69	73	74	76	362
22	371	343	320	302	298	263	247	227	73	79	73	75	260
23	288	280	272	268	213	208	203	203	75	73	69	65	247

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 31 MAY 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	266	265	259	257	217				49				245
1	253	247	241	237	201	180	177	172	52	67	64	64	259
2	240		197	203	161	149	144	138	78		53	64	245
3	198	191	182	172	134	128	120	104	64	63	63	67	210
4	164	159			95	91			69	68			275
5													
6		197		240		130	143	164		67		76	
7	258	276	294	312	185	198	220	241	73	77	74	72	460
8	335	355	372		256	286	303	316	78	69	69		413
9	419	439	454	483	343	361	383	412	76	78	71	71	398
10	512	538	553	589	430	462	479	502	82	76	73	87	330
11	601	613	624	629	525	534	543	546	76	78	80	83	332
12	632	638	653	664	549	554	571	579	84	84	82	85	328
13	676	689	696	702	590	599	607	614	86	89	90	89	312
14	709	719	723	723	628	641	644	650	81	78	79	72	305
15					653	654	654	656					297
16		720	722	720	656	651	649	645		68	72	75	272
17	714	706	694	672	642	635	616	597	72	72	78	76	266
18	647	624	605	589	573	548	535	510	74	76	70	79	270
19		553	534	512	490	476	454	430		76	81	82	273
20	483	460	443	434	406	378	366	358	76	82	76	76	282
21	433	432	428	422	356	355	349	343	77	77	79	80	288
22	418	416	417	412	338	336	339	331	81	80	78	81	226
23	409		375	362	324	315	306	293	85		69	69	217

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

PTS C*PALENDA ELECTRON CONTENT [illegible]
10**13 E M**-2

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.
0	359	353	343	336	281	276	262	255	78	78	81	80	[illegible]
1	329	321	311	301	251	245	238	230	78	76	73	71	240
2	293	284	278	274	222	210	205	202	71	75	73	72	[illegible]
3	263	253	244	240	197	188	181	173	66	65	64	67	[illegible]
4	238				163	155	150	146	75				247
5				246	145	144	154	175				72	240
6	267	288	312	333	194	215	244	259	73	74	68	74	[illegible]
7	353	370		424	280	304	318	345	73	66		79	[illegible]
8	442	463	486	508	367	387	415	430	75	76	71	78	356
9	526	545			446	471	481	489	80	74			343
10	597	603	611	619	507	523	537	543	90	80	74	76	359
11	627	642	656	667	547				80				[illegible]
12	671	673	680	687			599	600			81	86	
13	703	710			612	636			91	74			323
14				776				671				105	
15	776	777	775	771	670	671	674	669	107	103	101	102	[illegible]
16		719	694	679	656	639	605	588		66	96	94	[illegible]
17	669	660	663	660	577	570	572	567	92	91	92	93	235
18	652	634	623	611	555	539	531	523	96	96	92	88	[illegible]
19	604	596		549	511	500	480	457	93	97		92	[illegible]
20	526	507	481	462	426	412	389	368	100	95	91	94	[illegible]
21	448	439	425	414	386	351	334	314	62	88	91	100	[illegible]
22		369	354	347	299	283	263	256		86	91	91	[illegible]
23	342	340	326	313	253	249	240	229	89	91	86	84	[illegible]

4.860E 14 CONTENT PER [illegible] F.250E 14 [illegible]
.91 ZERO CONTENT ANGLE 49 [illegible]

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E M**3 2 JUN 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	308	312	311	300	228	235	238	234	80	76	73	66	245
1	273	240			208	172	146	136	65	67			160
2	193	171	150	146	126	96	82	76	67	75	68	70	312
3	126	118	151	131	53	47		74	73	71		56	147
4	119	131	144	148	60	74	83	89	59	57	61	59	214
5	142	137	133	143	83	78	74	81	59	59	58	63	214
6	153	168	179	187	87	100	109	120	66	68	71	67	462
7	186			261	132	138	147	159	54			102	698
8	258	262	275	279	179	189	200	199	79	73	75	80	770
9	280	283	289	293	199	202	206	207	81	82	84	86	744
10	294	299	308	313	208	209	221	227	86	90	86	86	681
11	313	318	326	328	235	244	251	255	79	74	75	74	737
12	329	328	325	319	258	258	259	253	71	70	66	66	441
13	312	301	291	283	242	233	220	211	70	68	71	73	378
14	278	278	280	284	206	206	209	213	72	71	71	72	429
15	286	286	288	290	214	217	217	217	73	69	71	73	402
16	295	302	312	312	218	224	231	231	77	77	80	81	452
17	315	321	325	328	233	240	246	252	82	82	79	76	469
18	327	322	310	294	249	244	234	216	78	78	76	78	357
19	281	272	263	253	204	198	193	186	78	74	70	67	292
20	244				177	166	162	159	67				294
21				193	159	154	145	137				56	280
22	198	196	193	188	132	130	126	123	65	66	67	65	266
23	186	183	177	172	121	118	111	107	65	66	66	65	252

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALENUA ELECTRON CONTENT 3 JUN 1975
10**15 E/M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	KM.
0	171	170	169	167	105	104	101	100	66	65	68	67	251
1	167	169	171	172	100	103	106	107	67	65	64	64	248
2	172	170	167	161	107	107	105	100	64	63	62	61	248
3	154	149	142	137	97	92	88	84	57	57	54	52	238
4	132	125	116	110	82	75	68	62	49	50	48	48	259
5	108	107	111	126	59	60	62	77	50	47	49	48	265
6	145	164	182	190	93	116	136	148	52	48	46	42	281
7		260	259	267	161	183	195	202		77	64	65	366
8	275	285	296	308	211	224	238	249	63	61	58	59	439
9	318	333	344	351	256	263	277	294	62	70	67	56	426
10	358	357			301	306	308	310	57	51			420
11					314	319	323	326					394
12					325	322	320	314					394
13	354	351	352	354	310	301	296	290	45	50	57	64	378
14	354	351	347	342	291	283	276	272	63	68	72	70	364
15	338	339	343	347	267	267	270	277	71	72	73	69	406
16	350	353	357	360	282	289	295	298	68	64	62	62	383
17	363	364	363	356	300	303	304	306	63	61	59	50	376
18	347	336	334	344	307	309	308	310	39	27	25	34	293
19	357	367	367	359	306	302	295	286	51	65	72	73	335
20	351	344	333	325	279	262	256	252	72	82	77	73	0
21	315	308	298	287	240	238	224	212	70	69	74	75	244
22	277	269	263	258	203	196	193	184	74	73	70	74	147
23	252	249	248	254	178	183	175	166	69	66	73	88	0

4.860E 14 CONTENT PER DIGIT 3.290E 14 CORRELATION COEF.
-91 ZERO CONTENT ANGLE 49 STD. DEV. .382

ATS-6:PALENUA ELECTRON CONTENT 4 . . 1 ' '
10**-16 E M**-2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. /M.
0					160	146	132						223
1					176	172	128	135					[illegible]
2					130	121	115	120					310
3					120	122	120	117					334
4					115	112	109						265
5													
6						154	187	207					
7					234	253	263	288					367
8					312	325	350	366					381
9					382	410	431	454					349
10					489	518	546	571					333
11					604	626	643	661					331
12					671	698	713	728					316
13					729	725	720	718					317
14					720	720	717	725					318
15					731	724	719	714					303
16					706	703	693	691					297
17					689	684	677	664					283
18					649	646	644	639					270
19					627	600	569	531					264
20					479	442	419	409					287
21					394	370	351	327					[illegible]
22					308	292	277	265					[illegible]
23					260	255	249	247					267

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 5 JAN 1978
10**15 EL/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. L.M.
0	329	328	326	325	248	249	250	252	81	79	76	73	343
1	328	333	338	331	257	260	265	255	71	73	73	76	215
2	307	288	296	299	238	214	225	231	68	74	71	68	263
3	293	286	277	266	225	220	208	203	68	66	68	62	231
4	254	245			195	184	168	150	60	61			231
5					144	139							[illegible]
6													
7		296	322	348		238	255	283		58	67	66	
8	370		426	434	314	330	348	366	55		78	68	415
9	452	467	483	493	383	404	424	433	69	63	58	59	335
10	499	501	506	511	438	441	445	447	61	60	60	64	330
11	519	525	531	535	457	475	480	481	61	50	51	54	312
12	536				482	489	495	503	55				335
13					510	503	499	492					305
14	541				487	489	493	495	54				[illegible]
15					498	499	503	503					287
16					503	502	501	506					[illegible]
17					503	500	488	476					278
18	535	522	511	496	486	443	453	421	79	80	78	75	[illegible]
19		488	421		399	369	344	314		76			[illegible]
20	353	331	310	287	288	257	240	217	66	74	69	71	257
21	267	247			197	181	163	148	70	67			208
22			192	191	143	138	132	129			61	62	[illegible]
23	188	186	192	187	124	122	129	129	64	64	63	46	333

4.8605 14 CONTENT PER DEGREE 6.250E 14 EQUIVALENT LATITUDE
-91 ZERO CONTENT ANGLE 49 CUT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 6 JUN 1978

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0					142	148	148	150					235
1					151	149	147	140					236
2		193	192	190	136	133	132	130		60	60	60	249
3	188	185	185	187	128	125	128	128	60	60	57	59	234
4	191	192	192	189	131	134	133	134	60	58	59	55	232
5	183				133	134			51				227
6													
7													
8		318	326	331		262	267	272		56	59	59	
9	338	345	358		286	298	314	326	52	46	44		399
10		432	440	449	341	358	369	380		74	71	69	350
11	456	465	474	483	394	406	414	421	62	59	60	62	337
12	490	498	511	521	428	436	448	460	62	62	63	62	336
13	531	532			468	474	482	491	63	59			325
14		599	614	624	499	523	537	545		77	77	79	310
15	634	647	663	676	552	567	583	596	83	80	80	80	291
16	689	701	708	704	604	624	633	629	84	77	75	75	251
17	693	670	650	629	608	589	573	548	85	81	77	81	249
18	615	594		530	533	514	478	449	82	80		81	243
19	498	473	439	419	418	394	361	338	80	79	78	81	274
20				372	323	314	311	307				65	259
21	368	358	347	339	300	290	277	260	68	68	71	76	245
22	327	316	306	297	251	243	234	225	77	74	72	72	234
23	289	289	290	290	218	223	225	226	71	66	65	64	214

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 7 JUN 1975
10**15 E-M**-2

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	291	294	293	291	229	233	232	232	63	61	61	59	195
1	283	278	270	261	222	215	207	196	61	63	[illegible]	[illegible]	[illegible]
2	251				190	183	177	174	61				236
3					171	161	159	155					208
4					154	157	157	150					192
5		187	187	188	145	140	136	142		48	51	46	221
6			252	266	154	177	193	203			[illegible]	[illegible]	[illegible]
7	284	305	325	340	223	248	265	289	61	57	60	51	329
8	350		428	435	310	332	356	367	40		72	68	318
9	450	460	475	487	382	402	419	424	68	59	55	63	[illegible]
10	500	510	521		434	442	459	480	66	67	62		320
11					493	516	543	561					317
12		680	667	654	589	600	596	584		80	71	69	286
13	640	628	620	615	563	548	537	535	77	81	[illegible]	[illegible]	[illegible]
14	616	614	622	629	529	531	535	542	87	82	[illegible]	[illegible]	[illegible]
15	643	659	679	696	550	574	594	614	93	84	85	82	285
16	710				635	644	646	646	75				356
17	709	605	646	605	636	606	561	528	73	79	[illegible]	[illegible]	[illegible]
18		534	541	529	496	474	461	443		61	80	86	340
19	512	489	463	442	423	404	372	354	89	85	91	87	[illegible]
20	427	420			338	323	315	309	90	98			[illegible]
21		368	364	356	334	298	287	273		[illegible]	[illegible]	[illegible]	[illegible]
22	348	331	312	294	265	249	230	209	84	[illegible]	[illegible]	[illegible]	[illegible]
23	381	278	271	278	199	196	192	201	82	81	79	78	310

4.860E 14 CONTENT PER DEGREE 6.250E 14 [illegible]
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

STC 3:PALEHUA ELECTRON CONTENT 0 [illegible]
10**15 E M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0		274	267	260	86	198	193	189		75	73	71	93
1	256				183	175	173	159	73				197
2				185	148	139	134	124				62	198
3	178	169	167	177	110	100	98	110	68	69	69	67	178
4	181	182	178	174	115	116	108	103	66	67	71	71	265
5	177	182	185	193	113	115	124	129	65	67	61	64	
6		250	257	277	140	164	193	208		86	65	68	311
7	294	312	336	349	228	250	265	290	66	61	71	59	
8	359				302	304	309	309	57				359
9			433	444	316	329	351	369			82	75	366
10	460	477	498	517	380	405	422	446	80	72	76	70	399
11	530			618	472	489	507	522	58			[illegible]	[illegible]
12	616	616	618	619	526	527	519	512	89	89	98	107	293
13	620				510	504	499	488	109				289
14					484	483	485	486					300
15			537	537	483	478	472	466			65	71	301
16	537	535	536	538	462	460	460	463	75	75	76	75	166
17	530	529	534	534	466	463	458	454	65	66	76	80	238
18	531	520	504	489	450	435	423	414	81	85	81	75	222
19	470	442	419		396	362	328	306	74	79	91		237
20	363	347	334	320	287	269	253	241	76	79	91	80	263
21	303	290	278	269	226	208	199	194	77	82	80	75	255
22	261	258	265	271	187	183	185	197	74	75	80	74	222
23	275	271	263	261	196	196	189	188	78	75	74	73	211

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 9 JUN 1978
10**15 E/M**.3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	254	252			180	170	168	160	74	82			220
1				188	149	138	136	129				59	182
2	186	186	184	178	122	119	117	109	64	67	67	70	238
3	169	165	167	169	98	95	94	95	71	70	72	74	210
4	172	173	169	159	102	101	95	89	70	71	73	70	198
5	151	149	153		83	81			68	68			[illegible]
6													
7													
8		278	286	302		206	215	233		72	72	69	
9	320	336	351		258	265	290	309	70	71	61		[illegible]
10		432	447	465	327	354	371	392		78	76	73	[illegible]
11	486	505	521	528	417	434	448	472	69	71	73	56	334
12			607	613	489	507	526	545			81	67	298
13	622	627	628	628	548	551	553	554	74	76	76	73	275
14	626	624	620	619	549	544	541	539	78	80	78	79	290
15	620	622	627	637	538	538	542	549	82	84	86	88	294
16	649	665	686	694	557	577	591	600	91	89	95	94	267
17	698	692	683	667	602	595	590	580	97	97	93	87	257
18	646	625	601		553	534	514	481	93	91	87		248
19	545	529	509	485	456	434	419	401	89	95	[illegible]	[illegible]	[illegible]
20	455	437	420		366	348	331	313	90	89	90		[illegible]
21	370	359	342	328	300	281	260	248	70	78	82	80	201
22	312	293	281	272	234	216	208	196	78	77	73	[illegible]	234
23	258	254	254	253	188	187	186	188	70	67	68	65	223

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRE[illegible]
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10 JUN 1975
10**15 EL/M**2

	TOTAL				FARADAY				PLASMASPHERE				...
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					175	171	158	159					138
1				185	154	146	139	126				60	331
2	178	179	177	172	117	120	116	110	61	59	62	62	207
3	166	169	174	174	107	109	113	111	59	60	61	63	315
4	172	169	169	170	107	102	102	101	65	67	67	68	230
5	174	179	189		105	115	127	144	69	65	62		269
6	249	267	279	301	181	200	211	235	68	67	69	65	365
7	320	337	347	355	254	269	286	297	67	67	61	58	318
8	364				307	310	313	316	57				[illegible]
9		431	443	452	329	349	369	378		82	74	74	329
10	475	502	527	530	407	431	467	475	67	71	60	[illegible]	356
11	527	522	521	527	481	484	487	477	46	38	34	50	384
12	524	521	526	532	472	464	462	472	53	57	64	60	310
13			613	611	481	494	505	509			108	102	[illegible]
14	611	608	601	609	506	503	511	530	105	105	90	79	297
15	620	626	629	634	537	540	543	546	83	87	87	88	304
16	635	624	605	593	546	541	528	510	89	83	77	83	261
17		526	497	470	478	445	417	398		81	80	72	244
18	451	431	419		369	352	331	318	81	79	89		157
19			369	357	310	301	292	277			77	81	271
20	346	332	324	322	258	245	239	234	87	87	86	88	255
21	317	313	312	314	226	224	224	231	92	90	88	84	260
22	322	324	325	328	238	241	245	247	85	84	80	81	227
23	331	331	337	337	253	253	255	251	78	78	81	86	231

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 11 JUN 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	316		285	291	233	206	202	209	83		83	82	270
1	298	305	309	312	219	230	238	244	79	74	71	68	225
2	312	300	286	272	246	236	215	202	66	64	72	69	189
3	265	258	251		200	197	189	173	65	61	62		215
4			193	191	153	141	136	131			57	60	240
5	181	174	167	164	120	110	98	95	62	64	68	68	241
6	169	180	194		102	116	133	146	66	64	61		321
7		248	246	249	163	172	173	179		76	73	70	308
8	252	257	259	263	188	191	193	196	64	66	66	67	434
9	268	276	281	288	201	204	209	216	67	72	72	72	480
10	296	304	309	315	228	236	244	251	68	68	64	64	444
11	322	329	334	339	258	263	270	274	65	66	64	65	415
12	343	345	347	347	280	282	288	287	63	63	59	61	369
13	345	346	348	352	281	279	286	291	63	66	63	61	372
14	356	358	359	360	295	298	303	308	61	60	56	52	370
15	358	353	354	355		305	300	294		48	54	61	
16	348	342	336	332	282	268	261	257	66	73	75	75	282
17	331	331	333	336	254	256	257	260	77	75	76	76	302
18	341	345	349	353	261	262	266	271	80	82	83	82	295
19	358	354	346	338	275	270	259	254	83	84	86	83	282
20	333	329	324	318	248	247	244	237	84	82	81	82	249
21	310	298	289	279	229	216	209	202	81	82	80	77	252
22	270	258	250	245	194	187	181	176	76	71	69	69	249
23	246				166	145	138	137	80				245

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	PM.
0			188	176	145		136	142			52	34	186
1	168	163	161	170	145	150	153	149	22	13	8	21	164
2	186	185	184	181	144	139	138	124	36	47	51	57	195
3	168	161	168	174	102	96	105	111	66	65	63	62	
4	176	182	186	184	118	128	133	133	58	55	53	51	220
5	183	181	182	180	130	126	130	137	53	55	52	43	279
6				277	148			217				60	342
7	301	324	348		240	258	295	316	61	67	54		367
8		431	437	447	333	353	365	378		78	72	68	318
9	456	462	469	478	387	394	403	413	69	69	66	64	331
10	486	495	503		429	430	435	454	57	65	68		237
11					472	487	492	500					309
12					510	522	529	538					305
13					533	527	519	518					302
14					508	498	503	509					299
15					512	499	485	473					231
16					463	453	439	429					262
17					419	415	412	410					291
18					405	403	405	406					373
19					404	396	373	356					251
20					341	323	317	317					357
21					320	322	318	312					231
22					305	303	296	289					249
23					291	293	287	281					211

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 13 JUN 1975
10**16 E M**-2

	TOTAL				FARADAY				PLASMASPHERE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	K.M.
0					272	275	279	281					283
1					274	257	243	232					234
2					229	232	230	231					[illegible]
3					228	215	199	190					318
4					185	168	150	142					231
5					140	137	138						255
6								209					
7					238	258	290	316					[illegible]
8					329	347	359	364					345
9					366	371	382	395					[illegible]
10					397	409	415	422					332
11					432	437	447	460					326
12					470	478	482	487					[illegible]
13					484	481	476	470					[illegible]
14					461	453	449	449					[illegible]
15					452	454	460	468					308
16					470	473	471	472					[illegible]
17					474	477	478	475					268
18					471	472	468	466					[illegible]
19					464	447	425	413					[illegible]
20					409	395	370	348					[illegible]
21					322	300	310	293					[illegible]
22					292	285	276	269					[illegible]
23					276	268	262	263					[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 [illegible]
-91 ZERO CONTENT ANGLE 49 SAT. [illegible]

ATS-6:PALEHUA ELECTRON CONTENT 14 JUN 1974
10**16 M**-2

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					258	245	231	220					221
1					216	212	210	209					232
2					206	202	201	196					202
3					191	189	189	189					246
4							199	190					
5					183	174	172	178					196
6					189	208	256	260					[illegible]
7					290	308	316	322					336
8					326	330	339	352					345
9					360	369	377	392					336
10					411	423	434	446					344
11					460	479	491	512					340
12					528	539	543	546					315
13					543	541	537	534					319
14					531	527	528	529					317
15					530	530	531	533					317
16					535	538	540	542					292
17					540	541	536	533					270
18						505	508	524					
19					512	495	471	461					241
20					432	406	370	341					245
21					317	306	295	292					[illegible]
22					295	297	289	271					[illegible]
23					272	268	257	255					232

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 16 JUN 1975
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	307	309	309	307	231	234	236	236	75	74	72	71	[illegible]
1	303	297	290	280	233	229	218	208	70	68	72	73	228
2	269	258	251	246	201	195		188	68	63		59	245
3	241	235			184	175	158	148	56	60			250
4	208	203	194	186	142	136	130	121	65	67	64	65	223
5	176	173	176	187	109	103	107	117	67	69	69	70	261
6	201		241	258	130	144	177	199	71		64	59	360
7	275	291	310	330	211	225	243	257	64	66	67	73	410
8	353	369		408	289	307	320	334	64	61		74	427
9	423	439	449	458	356	371	377	386	67	68	71	72	374
10	466	474	487	501	394	402	420	432	72	71	68	69	377
11	512	524	531	542	438	445	453	466	74	80	79	76	366
12	551	560		580	473	480	487	493	78	81		87	349
13	588	592	592	590	501	508	507	501	87	84	86	89	332
14	590	592	593	600	498	501	504	510	91	92	89	90	321
15	609	617	625	624	521	529			88	88			302
16	620	610	598	583	529	522	503	480	91	88	95	103	295
17		554	536	523	467	453	435	426		100	101	98	290
18	519	517	514	513	419	416			100	100			291
19	510	503	486	469	409	402	381	362	101	101	105	107	290
20	453	441	424	415	349	335	317	311	104	106	107	104	296
21	408	406	406	409	306	306	305	304	102	100	101	105	302
22		376	366	356	296	283	272	259		93	94	97	294
23	349	347	347	340	254	252	251	247	96	95	96	93	297

4.860E 14 CONTENT PLA[illegible] 5.230E 14 CORRELATION [illegible]
-91 ZERO CONTENT ANGLE 49 SAT. [illegible]

ATS-6:PALEHUA ELECTRON CONTENT 17 JUN 1975
10°-15° E M=+3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	333	323	313	305	243	237	229	221	90	86	85	84	949
1	296	287	276	264	211	202	194	188	85	85	82	76	961
2	260	251	246	248	183	171	164	169	77	80	83	79	270
3	256	263	265	258	181	190		186	75	73		72	253
4	255	250	249	244	184	180	178	170	72	70	71	75	271
5	240	238	245		163	160	172	189	77	78	73		287
6		293	314	332	203	216	239	253		77	75	79	304
7	343	360	376		264	284	305	319	79	76	70		451
8	420	447	469	486	341	368	388	417	79	79	81	69	415
9	505	518	530	537	432	440	448	455	73	78	82	82	384
10	546	556	559		466	477	481	487	80	79	78		382
11	585	592	604	605	499	511	525	530	85	82	79	75	361
12	615	623	625	627		547	549	550		76	76	77	
13	631	631	627	617	553	552	547	541	78	80	80	76	331
14	614	614	619	627			542	547			77	81	
15	643	654	660	670	556	566	571	581	87	88	89	90	294
16	680	687	696	700	585	589	594	599	94	98	102	102	284
17	700	693	683	668	596	591	581	569	105	102	101	99	271
18	657	647	637	617	551	542	534	517	106	105	104	100	277
19	591		549	534	481	462	441	426	110		108	108	293
20	519	511	507	512	416				102				273
21	511	508	508	499				409				90	
22	485	475	458	438	399	386	361	342	86	89	97	96	243
23	409				310	291	274	280	99				248

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 18 JUN 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	372	381	382	378	286	296			86	85			256
1	381	382	380	371		307	307	304		75	72	67	
2	355	334	306	282	295	265	237	212	60	69	68	70	205
3	257	256	232	238		166	153	147		70	79	91	
4	240		207	208	146	141	131	130	93		76	78	202
5	208	196		233	131	132	134	143	77	64		90	281
6	251	278	299	320	174	200	216	237	77	77	83	84	417
7	344	365	383	407	255	276	304	319	89	89	79	88	479
8	430	449	465	482	341	359	370	382	89	90	95	99	416
9	497	517	533	550	405	426	436	447	92	91	97	102	415
10	559		586	597	462	472	483	493	98		102	105	386
11	607	618	627	637	503	522	536	544	104	96	92	93	364
12	640	648	654	652	547	553	559	561	93	95	94	90	339
13	652	645	635	625	559	552	546		93	93	89		311
14	622	625	621	616	533	533	531	526	89	91	89	90	318
15	613	614	615	618	518	517	516	520	95	97	99	98	317
16	622	629	635	638	521	528		535	101	101		103	333
17	634	629	620	608		528	519	506		102	101	102	
18	593		556	537	484	469	449	429	109		107	108	313
19	522	506	487	476	417	403	377	353	105	103	110	113	308
20	476	480	486	491	362	366	376	387	114	113	111	105	344
21	493	497	492	488	395	402	400	396	99	95	92	93	324
22	465	443	417		365	342	318	307	100	98	98		320
23		377	382	377	290	294	287	286		82	94	90	295

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 19 JUN 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	371	370	378	382	282	284	297	305	89	86	80	76	257
1	380			378	308	308	313	312	71			66	247
2	360	338	321	306		270	248	229		67	73	76	
3	277	256	244	237	208		178	162	68		67	75	194
4	232	232	232	233	152	149	144	142	80	83	88	91	268
5	231	233	240	255	143	143	147	165	88	90	93	90	270
6	273	294	316	338	190	205	222	242	83	89	94	95	394
7	354	368	383		254	262	285	306	101	105	98		434
8	420	444	463	480	319	334	355	367	101	109	109	113	471
9	491	506	521	525	379	398	419	423	112	108	102	103	440
10	533	544	546	546	430	434	437	436	103	110	109	110	441
11	545	546	540	535	437	439	435	435	108	107	105	100	417
12	526	520	508	507	429	424	417	419	98	96	91	88	429
13	504	502	504	508	415	412	413	416	89	90	91	92	446
14	515	523	533	543	419		430	436	96		103	107	430
15	551	555			439	443	452	457	112	113			410
16					460	461	457	448					347
17	556	545	534	516	434	427	419	402	123	118	115	113	314
18	491	457	428		371	346	313	296	120	111	115		263
19	379	360	340	323	271	249	230	209	108	111	110	114	291
20	311	300	291	284	199		186	179	112		105	105	351
21	282	279	279	278	177	172	174	176	105	107	105	103	313
22	273	274	276	277	169	171	175	177	104	103	100	99	280
23	275	278	279	278	177	180	183	181	97	97	97	96	270

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 20 JUN 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	276	275	276	277	183	183	187	188	93	91	89	89	278
1	277	277	278	278		194	194	197		83	83	82	
2	275	270	265	261	197	194		189	77	76		72	229
3	255	251	245	239	186	179	168	155	69	72	77	83	252
4	234				149	144			85				280
5													
6													
7		360	373	384				320				64	
8	409	427	444	460	339	358	372	386	70	69	72	74	447
9	478	500	522	545	413	429	444	464	65	71	78	80	434
10		584	610	622	484	498	530	540		86	80	82	388
11	639	654	668	678	555	569	581	589	84	84	87	88	394
12	674	678	687	693	584	586	592	597	90	92	94	96	369
13	696	700	699	698	597	601	600	597	99	100	99	101	345
14	690	678	668	665	591	582	572	566	99	96	96	100	347
15	662	660	660	662	560	558	556	556	102	102	103	106	361
16	669	675	671	663	561	569	565	560	109	106	106	103	335
17	660	655	657	648	554	550	550	547	106	105	106	101	325
18	636	627	618	604	536	530	519	497	100	97	99	108	309
19	590		556	549	477	463	450	444	113		106	105	296
20	536	526	516	502	433	425	420		103	101	96		274
21	493	483	476	465	408	399	394	379	85	83	82	86	268
22	440		414	354	356	344	321	311	84		92	43	292
23					311	319	320	316					266

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 21 JUN 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	378	365	353	346	310	304	296	291	67	61	57	54	271
1	335	316	285	259	281	255	225	199	54	61	60	60	240
2	242	235				181	164	153		54			
3			204	198	148	146	145	138			58	60	261
4	191	188	191	191	134	132	134	135	57	56	57	56	230
5	205		236	249	145	165	174	192	59		62	57	227
6	276	305	336	361	216	249	272	303	59	55	64	58	338
7		413	440	458	324	352	371	387		60	69	71	395
8	477	500	531	556	409	431	454	479	68	69	78	78	365
9	558	557	556		478	475	468	469	81	83	88		446
10					474								423
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 22 JUN 1978
10**15 E.M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13			672	667			581	579			91	88	
14	662	662	660	662	571	568	564	567	91	95	95	95	561
15	671	680	687	693	573	580	584	589	98	100	103	104	549
16	698	703	705	700	590	593	595	592	108	110	111	108	540
17	690	674	653	627	582	570	546	527	107	104	106	100	513
18	607	594	557	535	503	476	456	430	104	108	101	105	[illegible]
19	510	496	470	459	411	388	369	351	99	[illegible]	[illegible]	[illegible]	[illegible]
20	439	428	420	416	338	327	321	319	101	101	100	[illegible]	[illegible]
21	414	411	407		318	315	311	304	96	96	96		[illegible]
22	380	365	353	340	295	280	262	251	85	85	91	89	[illegible]
23	328	316	311	309	243	235	229	225	85	82	82	84	[illegible]

4.860E 14 CONTENT PER DEGREE 5.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 23 JUN 1975
10**15 E M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S T KM.
0	302	301	307	315	219	218	225	235	83	83	82	80	267
1	329	348			247		111	124	82				279
2		252	255	251	129	170	199	186		82	57	65	
3	257	264	262	252		200	199	191		64	63	61	
4	244	248	239	246	183	186	173	165	62	63	65	81	255
5	243				163	153	146	147	80				279
6		244	268	295	156	183	202	230		62	65	65	336
7	322	354	382	413	256	291	316	341	66	63	66	72	389
8	439	463	490	533	368	388	423	456	71	75	68	78	396
9		588	602	616	487	504	524	537		84	78	79	417
10	625	625	630	640			544	550			86	90	
11	644	651	651	655	553	556	554	556	91	95	96	99	400
12	659	660	667	675	558	558	565	574	101	101	102	101	389
13	686	699	708	716	583	593	600	606	103	106	108	110	330
14	720	714	711	704	610	605	602	597	110	109	109	107	352
15	696	691	685	676	587	583	580	572	109	107	105	104	333
16	659	648	633	616	553	544	536	522	105	103	98	94	319
17	600	583		542	492	473	459	439	108	110		103	300
18	527	515	505	495	424		407	398	103		98	96	307
19	484	471	458	441	380	366	356	342	103	105	102	98	318
20	424	407		375	322	308	299	285	102	99		89	294
21	362	351	342	331	265	256	248	241	97	95	94	90	283
22	324	314	300	291	235	222	208	199	89	92	92	92	279
23	290	294	309	326	198	203	217	238	92	91	92	88	261

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 24 JUL ...
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	I.T. KM.
0	174	171					194						
1	271	277	273	265									
2	256	244					171	152					
3					144	141	135	137					270
4	197	195	189	185	136	131	125	119	61	63	64	66	256
5	186	189	190	194	119	121	123	139	67	68	67	55	307
6					166		228	254					444
7					298	322	342	356					453
8		467	464	465	367	378	391	409		89	73	56	415
9	469	478	487	497	421	433	447	468	48	44	40	29	442
10					486	507	533						407
11	637	657	673	686	557	580	595	605	80	76	78	81	430
12	694	694	703	710	610	610	620	626	84	84	83	84	384
13	713	714	712	702	629	632	629	618	84	82	83	84	350
14	694	689	681	678	605	600	594	591	88	88	87	86	355
15	671	668	662	654	584	582	576	563	87	86	87	91	337
16	645	638	629	622	552	546	542	536	93	92	88	86	313
17	612	608	594	586	524	516	502	488	88	92	92	97	319
18	583		553	542	482	471	459	448	100		94	94	299
19	530	513	491	472	435	422	405	373	95	91	86	99	297
20	460	456	433	421	361	354	343	333	99	102	90	88	284
21	414	415	411	409	326	326	323	320	88	89	88	89	281
22			365	363	315	308		293					277
23	364	359	348	339	293	287	271	261	71	72	77	78	280

4.866E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. ...

ATS-6.PALEHUA ELECTRON CONTENT 25 JUN 1974
10**15 E.M.**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	309	301	318	305	264	257	245	231	75	74	74	74	264
1	290	291	279	278	216	210	206	206	74	75	73	72	299
2	278	280	284	285	209	206			68	74			295
3	281	277	274	267			213	207			61	60	
4	263	258	254	253	204	201	198	198	59	57	56	55	256
5	255	259	264	280	199	201	205	219	56	58	59	61	285
6	301	324	347		245			317	56				342
7			420	444	329	340	357	374			63	70	412
8	472	495	519	543	411	430	447	472	61	66	72	71	411
9		587	603	613	491	515	534			72	69		393
10	622	630	643	660	546	552	561	581	76	78	82	80	403
11	667	676	689	701	587	594	602	617	80	82	87	85	393
12	707	713	709	705	625	635	630	620	82	78	79	86	348
13	702	698	693	693	615	609	603	602	87	90	90	91	361
14	696	708	725	732	603	615	638	646	94	93	87	86	360
15			760	762	651	656	663	665			97	97	338
16	763	770	778	785	661	669	676	685	102	101	102	100	332
17	793	789	782	776	690	691	686	683	103	98	96	93	295
18	762	733	698	649	667	641	603	554	95	92	95	95	273
19	601		526	507	511	466	428		90		98		336
20	496	492	486	494									
21			469	451									
22						239	254	278					
23			441	435		316	322	327			119	108	

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
 -91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 26 JUN 1975
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	421	429	430	423	343	353	356	354	78	77	74	69	
1	415		358	339	346	318	294	270	68		64	68	296
2	337	336	337	325	270	270	270	256	67	66	67	69	258
3	312	299	288	285	247	235	220	217	64	64	68	69	254
4	283	281	278	278	217	215	211	212	67	67	67	67	294
5	278				213				65				
6													
7			333	334									
8	335	336	334	340	271	277	276	281	64	59	58	59	400
9	350	363	381		293	305	320	333	57	58	60		502
10	425	446	462	481	358	375	389	412	67	71	73	69	529
11	499	522	545	555	432	451	474	488	67	72	71	66	513
12		589	595	605	498	514	528			74	68		360
13	601	592	588		534	525	504	486	67	68	84		319
14	548	539	529	518	475	465	455	443	73	74	74	75	330
15	507	497	484	472	434	428	419	409	73	69	65	63	344
16	456	435	416		385	363	344	322	72	72	72		356
17	382	380	373	366	312	308	303	299	70	72	70	67	328
18	363	359	355	348	293	286	279	268	70	73	76	80	315
19	335	320	307	290	254	241	226	211	81	79	81	79	327
20	277	269	267	269	201	195	195	198	76	74	72	71	340
21	273	279	282	283	200	204	207	209	73	75	75	74	375
22	284	285	285	280	211	213	212	205	73	72	73	75	379
23	274	267	266	261	200	195	196	194	74	71	70	67	395

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED POP
-91 ZERO CONTENT ANGLE 49 GEOM. LAT 6.2E

ATS 3:PALEMBANG ELECTRON CONTENT
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	256	253	249	248		189	188	187		64	61	61	
1	244	242	239	239	186	185	183	184	58	57	56	54	363
2	238	236	240		185	182	177	166	53	54	63		268
3					159	153	149	146					372
4		202	196	191	142	138	132	128		64	64	63	268
5	194												
6													
7		366	376	379									
8		412	433	451	330	345	366	380		67	67	71	447
9	466	478	492	506	399	411	423	433	67	66	69	73	451
10	521	538	556		444	461	477	486	77	77	80		435
11					493								484
12			750	753				665				88	
13	758	760	760	759	660	657	655	657	98	103	104	102	417
14	756	753	750	747	655	656	658	660	101	96	92	87	399
15	747	749	750	753	660	664	665	665	87	85	85	88	384
16	758	762	762	758	665	671	674	676	92	91	88	82	377
17	750	746			664	658	654	652	86	88			363
18					647	641	628	603					354
19		659	643	629	585	577	562	545		82	80	84	391
20	614	606	597	585	534	527	522	513	80	79	76	72	337
21	576				501	490	473	465	75				329
22			491	478	447	434	428	418			64	59	358
23	463	451	444	439	408	392	378	371	55	58	65	68	364

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 26 JUL 1975
13**15 E.M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	333	315	294	300	257	243	221	230	76	72	73	70	357
1	306	310	295	292	236	235	222	219	70	74	73	73	365
2	299	297	286	280	232	229	216	212	67	68	71	68	359
3	270	265	264	264	204	199	198	198	66	65	66	66	249
4	259	254	255	254		188	189	186		66	66	68	
5	246	244			182	176			64	69			294
6													
7				411			323	338				73	
8	424	435	448	461	354	363	373	385	70	72	74	76	144
9	475	489	504	520	404	423	434	449	70	67	70	72	111
10	536	547	557		465	477	486	496	71	69	72		096
11	590	601	615	625	507	522	536	547	83	79	79	77	062
12	632	645	662	674	554	567	583	593	78	78	79	81	057
13	690	698	701	696	600	608	610	605	89	90	92	92	117
14	691	685	684	694	596	593	595	602	95	91	89	92	126
15	703	720	733		606	629		655	98	91			115
16			768	769	656	655	659	658			109	112	249
17		723	725	731	647	645	645	637		78	80	95	292
18	720	710	696	673	622	607	589	569	97	103	107	105	358
19	617	621	608	597	529	517	498	485	88	104	110	112	1
20	588		540	514	474	464	442	424	113		98	90	335
21	497	481	460	443	405	381	363	351	92	100	97	92	338
22	427	416		382	337	324	311	298	90	91		84	320
23	363	353	345	332	281	271	259	248	82	82	86	84	297

4.868E 14 CONTENT PER DEGREE 5.258E 14 CORRELATION
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 29 JUL 1975

	TOTAL				FARADAY				PENETRATION				
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	312		302	302	234	226	226	226	77		76	76	279
1	306	308	304	299	231	233	232	231	75	74	72	68	242
2	297	294	288	278	231	229	220	208	66	65	68	69	255
3	269	262	254	246	203	198		183	66	64		64	261
4	241	235			172	154	146	142	68	80			279
5				237	140	141	146	154				83	264
6													
7													
8													
9								491					
10	585	603	616	625	507	532	545	552	77	71	70	72	353
11	625	638	652	671	552	559	570	588	73	79	82	83	348
12	684	698	710	721	596	606	617	632	87	92	93	89	381
13	732	729	732		642	641	632	638	91	88	100		384
14		759	761	764	643			650				114	385
15	775	787	801	820	654	665	686	708	121	122	115	112	352
16	825	814	783		714	711	686	652	110	104	97		264
17	697	644			606	553	498	421	91	91			224
18	428	370	335	312	349	293	249	232	79	77	86	81	202
19	301	292	287	285	216	206	202	200	85	86	85	85	407
20	282	282	284	286	198	200	201	203	84	83	83	83	293
21	290	294	296	296	206	211	214	214	84	83	82	82	265
22	295	293	292	289	213	211	210	206	82	83	82	83	289
23	284	285	288	291	203	206	212	219	81	79	76	72	284

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 30 JUN 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	294	295	295	292	224	228	232	229	70	67	63	63	254
1	286	277	270	260	223	212	205	200	63	64	65	60	265
2	257	258	262	252	200	202	203		57	56	59		237
3				206			148	145				61	
4	205	203	203	201	144	142	142	140	61	61	61	61	270
5	200	204	203		141	142	142	147	59	62	61		274
6				273	161	181	196	208				64	415
7	280	285	285	279	217	221	220	212	64	65	65	67	451
8	270	267	267	267	207	203	203	204	63	63	63	63	494
9	268	271	272	274	206	208	211	212	62	63	61	62	492
10	277	280	285	296	214	218	227	240	62	63	58	56	461
11	308	319	329	339	250	259	268	279	58	60	61	59	427
12	346	352	354	358	288	298	303	307	57	55	52	51	361
13	353	349	348	349	303	297	297	299	50	52	51	50	336
14	352	357	364	371	298	302		313	54	55		57	346
15	379			408	318	324	332	339	61			68	334
16	414	417	417	415	346	348	347	345	68	69	71	69	289
17	413	409	407		339	334	330	322	74	75	76		284
18				372	315	311	307						275
19	357	343	326	316	288	262	250	243	69	80	76	73	289
20	306	293	279	268	235	222	211	200	71	71	69	68	286
21	255				192	183	174	167	63				280
22					161	158	155	153					252
23			206	203	152	146	143	143			62	60	238

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 1 JUL 1976

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	199	194	191	187	139	136	134	131	60	58	57	56	231
1	181	180	179	177	127	127	127	125	54	53	52	52	239
2	171	164	163	164	121	115	117	117	50	48	46	47	243
3	163	160	157	154	116	113	108	104	47	47	49	50	253
4	152	149	145	142	103	100	96	91	49	49	50	51	266
5	138	136	139	146	88	86	88	92	49	49	51	54	256
6	163	183	206	234	110	131	147	185	53	53	58	49	359
7	257	284	306	318	205	230	249	261	53	55	56	57	385
8	331	344	359	380	273	290	305	318	58	53	54	61	403
9		421	436	451	338	358	369	384		63	67	66	392
10	470	492	516	533	412	431	449	469	58	62	67	64	368
11	550		582	606	481	488	506	539	69		76	67	362
12	629	657	682	700	557	583	602	625	72	73	79	75	321
13	715	722	729	729	646		659	660	69		69	68	309
14	721	707	695			638	622			69	74		
15	666	651	636	624	589	573	558	546	77	78	78	77	306
16	611	602	599	599	536	530	527	525	75	72	72	74	321
17	600	601	608	619	524	523	527	536	76	78	81	83	297
18	631	653	663	665	545	568	578	581	86	85	85	84	265
19	660	650	629	594	576	567	546	522	84	82	84	73	229
20	550	499	461	424	472	428	393	351	78	71	69	73	262
21			381	377	328	315	311	308			70	69	293
22	379	370			308	315	317	321	71	55			247
23					321	312	303	289					215

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 2 JUL 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	346	334	326	333	270	262	258	262	75	72	68	71	226
1	346	352	358	352	272	275	279	275	73	77	79	78	218
2	336	315	292	265	265	254	237	219	71	61	55	46	192
3	235	210	175	148	204	184	163	147	31	26	13	2	230
4	135	122	108	86	139	132	123	110	-4	-10	-14	-23	224
5	68	57	57	70	98	91	90	99	-30	-34	-33	-29	226
6	97	124	146	188	117	134	149	173	-21	-10	-3	15	302
7		243	278	307		212	235	254		30	44	52	
8	331	372		414	272	299		325	59	73		89	379
9	439	466	477	482	343	359	367	370	96	107	110	111	351
10	489	497	517	550	376	381	395	417	113	116	121	133	377
11		586	598	622		438	447	462		147	152	160	
12	643	658	678	721	475	486	500	527	168	172	178	194	344
13	752	787	816	837	546	567	589	602	206	220	227	235	320
14	863	880	879	863	617	627	627	615	245	253	252	247	290
15	842	831	807	770	600	591	578	553	243	239	229	217	282
16	746	718	683	664	535	517	493	483	211	201	189	182	303
17	656	656	658	664	474	474	476	480	182	182	182	185	330
18	672	682	692	684	483	488	495	490	189	193	196	194	283
19	675	673	670	661	483	481	479	473	193	192	191	189	273
20	639	606	579	558	458	434	420	405	181	172	159	154	238
21	517	483	451	419	379	357	337	318	138	126	113	101	274
22	411	417	423	424	312	316	320	320	99	101	104	104	255
23	412	388	375	358	313	297	288	278	98	91	86	80	251

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 3 OCT 1975
10**15 E/M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0	347	348	353	353	274	276	282	286	73	72	71	68	225
1	350	349	346	342	284	284	280	276	67	65	66	66	141
2	340	334	320	308	279	270	255	245	60	64	65	63	339
3	287	266	243		231	207	189	159	56	59	55		266
4	206	196	187	179	141	134	126	115	64	62	61	64	221
5	170	166	169	178	104	99	99	109	66	67	70	69	268
6	194		243	273	128	146	184	213	66		58	60	306
7	299	315	306	292	238	251	240	225	61	64	66	67	238
8	297	307	318	332	228	238	247	256	69	68	71	76	360
9	346	359	376		268	287	306	320	78	72	70		384
10	409	429	451	470	332	355	373	392	76	74	78	78	349
11	490	506	521	581	419	433			72	73			343
12						489	504	525					
13													
14													
15													
16													
17													
18													
19					389	369							199
20						294	267	250					
21					238	223	217	216					290
22					207	201	194						246
23					186	187	186	184					239

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 11 JUL 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	KM.
0													
1													
2					202	232	227	203					
3					214	207	204	223					204
4					207		181	159					198
5					148								269
6													
7													
8													
9													
10				488		412	420	425				63	
11	493	502	513	527		433	437	449		70	76	78	
12	542	552		589	469	479	498	501	73	72		88	169
13	586	588	590	591	511	518	521	522	74	70	69	69	349
14	600	602	605	605	528	530	533	533	72	73	72	72	316
15	603	601	598	596	529	528	525	523	74	73	74	74	300
16	593	589	589	592	517	512	511	516	76	77	78	76	283
17	596	592	590	584	517	513	508	499	79	79	82	85	273
18		555	551	535	486	478	469	442		76	82	93	270
19	512	490	467	446	420	408	389	368	92	82	78	78	275
20	425	411		379	346	317	307		80	94			[illegible]
21	372	376	375	375	297	298	298	298	75	77	77	77	291
22	376	362	368	346		304	295	277		58	73	69	
23	324	295	286	281	261	208	197	199	63	87	89	83	283

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 12 JUL 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	322	347	347	344	260	292	294	288	62	55	54	56	208
1	326	316	302	295	268	260	250	244	58	57	51	51	239
2	288	271	253	242	237	205	194	187	51	66	59	54	217
3			200	192	179	161	148	138			52	54	218
4	185	177	173	168	133	118	104	95	53	59	69	73	234
5													
6													
7													
8													
9													
10													
11		704	725			632	652	660		72	72		
12	763	769	778	793	673	682	695	710	89	88	83	83	344
13	798	789	783	789	712	704	697	700	85	85	86	88	315
14	790	790	791	795	698	695	696	700	91	95	95	95	313
15	794	795	788	780	696	696	694	684	97	98	93	96	307
16	777	768	760		678	669	657	651	99	100	103		290
17					645	642	642	644					289
18			764	774	640	643	651	673			112	101	278
19	772	769	763		669	670	659	649	103	99	103		247
20	720	676	602	536	636	600	527	464	84	76	75	72	235
21	490	469	467	475		393	388	395		76	79	80	
22	469	480	516	531	390	399	418	436	79	81	98	95	246
23	534			511	442	426	426	426	93			85	264

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 13 JUL 1975
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S/T
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	547	504	466	451	462		396	373	85		70	78	257
1	447	440	438	431	374	373	376	373	73	66	62	58	245
2	421	413	379	355	369	360	323		52	53	56		193
3	321	286	253		277	241	195	180	44	46	58		227
4	203	193	179	174	159	142	126	108	43	51	53	65	291
5	171	170	174		102	99	106		69	71	69		235
6													
7													
8													
9				461				409				52	
10	469	473	478	486	417	419	423		52	53	55		181
11	493	501	510	519	430	434	437	446	63	67	73	73	367
12	525	535	539	545	459	473	477	482	67	62	62	63	344
13	550	555			485	490	498	507	64	65			115
14	586	590	593	592	513	519	524	523	72	71	69	70	324
15	597	598	600	606	524	527	527	531	73	72	73	75	302
16	607	605	600	592	528	525	521	512	79	80	79	80	113
17	587	585	588	587	497	495	498	495	90	90	90	91	303
18	600		553	541	489	486	476	457	111		76	84	191
19	523	497	492	491	424	411	409	409	100	86	83	82	173
20	481	461	438	413	402	387	362	326	79	74	76	87	205
21	379	356	336	327	303	285	267	256	76	71	68	71	114
22	314	330	342	338	238	261	277	274	77	69	64	64	268
23	340	347	344	346	286	288	287	291	54	59	57	55	41

4.868E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUM ELECTRON CONTENT 10**15 E/M**3 14 JUL 1976

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	348	343	335	326	291	286	277	268	57	57	58	58	291
1	324	320	319	320	269	269	269	272	55	51	51	48	276
2	323	317	303	292	275	263	249	242	48	54	53	50	262
3	293	294	295	303	246	251	253	262	47	43	42	40	278
4	312	308	290	264	279	268	248	205	34	40	42	59	244
5	253	261	277	299	201	204	217	247	52	57	59	52	273
6	310	336	358	381	257	289	307	319	53	47	51	61	358
7					346								652
8													
9													
10		309	310	312		258	257	257		51	53	55	
11	314	317	320	324	259	260	262	265	55	57	58	59	520
12	327	330	329	327	269	270	270	270	59	60	59	57	503
13	322	316	312	303	266	264	260	253	57	53	52	50	404
14	292	282	273	266	241	225	212	207	52	58	61	59	376
15	261	257	253	252	203	201	199	198	58	56	54	54	370
16	252	251	254	257	196	196	197	198	56	55	57	59	381
17	261	266	272	275	198	199	203	204	63	67	69	71	361
18	279	285	289	290	205	211	216	217	74	74	74	73	340
19	289	287	283	276	215	210	205	200	75	77	78	76	317
20	264	255	249	241	194		187	184	70		62	57	287
21	239				179	174	169	167	60				250
22					170	170	171	176					259
23			238	239	177	178	185	187			53	52	268

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 15 JUL 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	246	252	256	274	192	196	199	221	54	57	57	52	241
1	288	306	315	317	241	259	273	274	47	46	42	43	254
2	322	322	303	294	283	287	259	251	39	35	43	43	253
3	286	266	269	258	247	228	225	214	39	38	44	44	226
4	253	243	202	183	208			143	45			41	195
5	163	148	139	138	122	96	88	88	41	52	50	50	263
6	145	164	180	200	95	116	140	157	51	48	40	43	285
7		242	265	286	181	196	208	238		46	57	49	390
8	310	332	359		262	289	310	330	47	43	49		423
9	413	435	454	468	370	389	410	421	42	46	45	47	398
10	483	490	500	511		433	439	447		58	62	63	
11	520	529	542	554	458	472	484	494	62	57	58	60	345
12		603	625	649	522		554	588			72	61	349
13	670	685	696	708	603	618	632	642	67	67	65	66	330
14	717	726	729	728	646	651	652	654	71	74	77	74	319
15	727	728	728	729	650	649	649	650	77	79	78	79	301
16	729	727			646	649	653	653	83	78			276
17					650	646	647	648					274
18					645	646	648	656					290
19		729	720	709	648	640	632	617		89	88	92	269
20	684	668	658	646	598	585	575	564	85	83	83	82	311
21	653	654	645	~		580	564	540		74	81	91	
22	614	589	555	~	526	513	492	481	88	75	63	60	264
23	540	532	512	503	475	466	438	431	65	67	74	72	281

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 16 JUL 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	489	482	474	470	420	417	414		69	65	60		222
1	463	437	415		411	390	366	350	52	46	49		217
2	373	350	317	293	318	306	280	255	54	44	37	38	205
3	259		192	166	213	189	151	125	46		41	41	190
4	150	138	130	120	97	88		77	53	50		43	232
5	115	113	116	126	73	71	72	79	42	42	44	47	262
6	147	169	196		89			184	58				318
7	254	278	302	322	202	225	255	275	53	53	46	47	325
8	344	369		410	302	315	328	355	42	54		55	388
9	424	447	470	490	374	393	416	431	51	53	54	60	422
10	511	527	546		445	468	487	500	66	60	59		357
11		586	605	621	509	525	538	547		61	67	74	347
12	634	648	656	666	553	568	575	590	81	80	80	76	327
13	677	691	706	719	599	610	631	643	78	81	75	76	322
14	726	729			644	647		651	82	83			313
15					649	653	655	657					321
16					651	650	649	648					301
17	726	727	718	712	641	636	630	626	85	91	87	86	292
18	710	713	712	710	623	626	625	624	87	87	87	86	284
19	705	698	684	664	621	615	596	581	84	83	88	83	270
20	645	624	609	602	554	532	524	520	91	91	84	83	278
21	606	613	624	628		525	532	536		88	92	92	
22	638	646	651	655	548	568	579	585	90	78	71	70	254
23	655	637	615	588	589	574	539	519	66	63	75	68	248

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 17 JUL 1978

	TOTAL				FARADAY				PLASMASPHERE				I.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0		545	519	493	507	482	458	424		63	60	69	227
1	453	419	410		390	355	342	327	64	64	68		242
2		372	356	348	314		294	289			62	60	257
3	346	343	345	347	288	285	288	287	57	58	57	59	236
4	343	345	334	313	286	289	276		57	55	58		229
5													
6													
7			361	375			306	315			55	60	
8		420	442	459	331	358	376	395		62	66	65	449
9	479	500	524	547	417	429	447	478	61	71	78	69	390
10		576	598	620	494	515	533	545		70	66	75	365
11	639	660	681	701	553	584	604	625	86	75	77	77	343
12	712	717	726		637	640	649	651	75	76	77		325
13						657	660	658					
14					658	656	656	655					304
15		761	764	767	653	658	661	664		103	103	103	293
16	768	767	766	766	661	660	659	659	108	107	108	107	286
17	764	762	764	769	654	649	649	654	111	113	114	115	303
18	781	787	795	798	673	683	694	696	108	104	101	103	297
19	800	797	798	811	694	694	696	709	106	103	101	102	308
20	826	837	844	849	728	739		747	98	98		102	329
21	840	809	775	722		721	679			88	96		
22	677	639	613		598	541	524	508	79	98	89		329
23	550	519	494	480	476	426	415	409	73	93	80	71	352

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 18 JUL 1975

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	462	451	437	427	404	395	382	369	58	55	54	58	237
1	419	413			365	363	358	359	54	50			231
2	364	327	298	274		301	269	243		27	29	31	
3	253	241	240	247	207	189	181	173	46	51	59	74	240
4					169	162	156	152					264
5					153								289
6													
7				435				331				103	
8	460	480	494	515	368	386	406	419	92	93	88	96	416
9	534	552		585	430	447	475	487	104	105		99	384
10	605	612	621	626	501	524	532	539	104	88	89	87	
11	626	628	633	641	543			545	84			96	349
12	645	648	656	665	546	547	548	553	99	101	107	112	358
13	679	695	708	714	561	581	596	606	118	115	112	108	342
14	719	717	708	695	610	617	616	608	109	100	92	87	313
15	676	654	633	615	594	575	542	530	82	78	92	85	284
16	601	588		555	515	498	481	470	87	89		85	302
17	542	521	501	486	450	430		402	92	90		84	269
18	478	469	461	454	388	376	367	361	89	93	94	94	311
19	448	442	432	424	352	346	331	321	96	96	101	103	321
20	414			374	313	305		295	101			78	286
21	363	359	352	345	285	277	272	264	78	83	81	81	288
22	335	328	324	324	258	250	243	237	77	79	81	87	271
23	319	312	306	303	239	233	222	219	80	78	84	84	277

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 17 JUL 1976

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.I. KM.
0	304	302	296	295	218	217	213	214	86	85	83	81	240
1	286	283	276	265	206	206	201	195	80	78	74	70	233
2	255	247	241	240	190	185	177	175	65	63	63	64	272
3			200	189	167	151	139	126			61	63	259
4	180	172	168		109	94	90		71	77	78		243
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18	629	615	597	588	535	529	519	500	94	86	78	88	236
19		555	549	546	482	474	468	463		80	81	83	179
20	538	528	508	492	456	441	419		82	87	89		213
21	478	464	459		403	395	389	404	75	70	70		234
22								296					
23	368	360	343	334		296	280	275		64	59	59	

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ELECTRON CONTENT
10**15 E/M**3

20 JUL 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	53			300	295	290		243	58			57	263
1	301	302	305	297	245	248	249	244	55	54	56	53	362
2	290	284	278	267	239	230	218	205	52	54	59	62	251
3	250	240		197	196	184	164	148	54	56		49	222
4	181	171	164	157	135	117	99	90	46	53	65	67	290
5	150	145	141	152	87		78		64		67		272
6	168	192		240	95	132	157	184	73	60		56	310
7	267	293	315	333		221	259	273		72	57	60	
8	348	365		413	289	304	316	334	59	61		79	440
9	434	451	468	486	367	385	398	417	67	65	70	68	394
10	501	515	525	540		435	440	456		80	85	84	
11	554		590	609	475	489	509	530	78		82	79	358
12	624	640	650	659		546	551	558		94	98	100	
13	667	676	682	683	570	588	594	595	97	88	88	88	335
14		691	697	701	594	595	599	602		95	98	99	342
15	703	705	709	713	599	601	606	614	104	104	103	99	333
16	720	727	729	728	622	631	635	635	98	95	95	93	307
17	715	706	692	672	624	615	597	582	91	91	94	90	289
18	648	627	597		548		516	492	99		81		271
19	538	504	471	448	449	416	395	370	89	88	75	77	279
20	427	411		379	348	316	306	297	79	94		82	298
21	369	360	354	347	293	288	286	282	76	72	68	64	287
22	337	324	312	304	275	263	251	240	61	61	61	63	251
23	298	299	303	311	235	236	242	252	63	63	61	59	235

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**2 21 JUL 1976

	TOTAL				FARADAY				PLASMASPHERE				I.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	312	309	295	281	254	251	230	209	57	58	65	73	243
1	272	269	266	268	201	200	199	201	71	69	67	67	252
2	271	270	271	270	205	204	203		66	66	67		244
3	278	279			205	182	168	173	72	97			286
4					188	179	175	184					
5					188	180	177	179					
6					187	189		215					301
7	299	325	344	370	256	280	301	315	43	45	42	55	435
8		412	430	442	331	359	378	388		52	52	54	394
9	460	484	497	507	409	424	433	437	52	59	64	70	341
10	519	53[illegible]			440	462	487	503	78	74			376
11	598	622	645	663	525		551	578	74		94	85	358
12	691	718		762	609	639	651	661	82	79		101	312
13	771	791	807	823	673	706	722	733	98	84	86	90	307
14	834	849	852	862	744	756	758	764	90	93	94	98	300
15	868	875	893	903	763	766	778	790	105	109	114	113	307
16				962	801	810	827	854				107	300
17	985	1012	1040	1066	868	890	924	957	117	123	116	109	287
18	1076	1076	1070	1058	966	969	961	959	111	108	109	99	273
19	1042	1017	977	938	937	915	867	848	106	102	110	90	282
20	895	848	805	762	804	750	726	681	91	98	79	[illegible]	[illegible]
21	722	673	636	596		601	546			72	91		
22		539	495	464	503	471	416	402		68	79	62	261
23	437	411	378	358	376	333	305	294	61	78	73	64	337

4.860E 14 CONTENT PER DEGREE 6.20E 14
-91 ZERO CONTENT ANGLE 49

CORRECTED FOR SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 22 NOV 1975
10**13 E-M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	AVG.
0	337	320	312	305	274	255	246	237	63	65	67	68	245
1	297	286	270	258	226	206	196		71	80	74		219
2	253	249	242	238	189	186	182	176	64	63	60	62	271
3	238	240	243	241	170	165	163	163	68	74	79	77	273
4	241	240	240	241	166	169	168	168	75	71	72	73	252
5	250				166	160	160	166	84				260
6	237	244	252	263	178	188	193	200	59	56	59	63	241
7	271	278	290	299	204	210	222	237	66	67	68	62	270
8	298	300	301	303	239	235	238	242	59	64	63	60	299
9	308	315	326	338	254	261	268	277	54	55	58	61	493
10	349	360	374		291	302		319	58	58			455
11	415	423	437	451	329	358	373	389	86	66	64	63	401
12	467	478	490	501	405	414	419		62	64	71		396
13	514	527	537	549	431	439	449	473	83	89	88	75	361
14	552		588	590	483	493	505	515	69		82	75	334
15	603	611	616	620	523	528	530	531	80	93	85	89	319
16	624	623	625	626		528		532		94		94	
17	629	636	646	652	531	534	542	553	99	102	104	99	395
18	654	651	633	610	559	554	536	522	95	96	97	88	363
19		553	533	507	497	472	447	419		81	86	88	267
20	480	462	450	444	405	387	375	370	75	75	75	74	434
21	445	453	456	452	371	385	392	391	74	69	64	61	263
22	451	447	428		393	386	363	312	59	61	66		258
23	363	340	318	302	297	275	248	235	66	64	71	67	265

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 23 JUN 19[illegible]
10**15 E.M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	297	294	289	290	225	224	224	228	72	70	65	62	354
1	283	276	265	251	223	214	204	196	60	62	61	56	335
2	240	240		199	190	184	177	164	50	55		34	292
3	200	188	173	164	149	137	115	98	51	51	58	66	240
4	159	155	155	153	92	90	90	90	67	65	65	63	238
5	153	148	147	155	90	87	87	92	63	61	61	63	241
6	173	198		250	107	149	177		66	49			375
7	280	310	336	361	220	262	294		60	47	42		307
8			416	431	326	347	367	380			49	51	311
9	450	464	481	497	397	413	425	433	53	51	56	64	354
10	516	531	554		444	464	487	499	72	67	67		349
11	588	608	628	651	521	539	547	568	66	69	81	83	349
12	660	672	694	710	581	595	612	631	79	77	83	79	335
13	725		762	777	642		661	672	82		100	105	328
14	795	812	833	856	694	712	737	757	101	100	97	99	311
15	875	891	897	885	767	788	804	794	109	103	92	91	283
16	867	843	813	786	767	752	732	704	99	91	81	82	
17		720	689	670	663	637	612	591		83	77	80	
18	658	636			576	541	533		81	95			
19	595		554	527		496	473	431			81	96	
20	496	472	445	424		399	373	350		73	72	74	
21	413		372	358	318	305	297	289	95		74	69	80
22	341	326	313	311	275	258	247	245	66	68	66	66	257
23	305	299	292	289	236	220	215	211	69	79	77	78	295

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 24 JUL 1975
10**15 E/M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	287	277	269	267	211	200	197	197	76	76	72	70	232
1	269	271	278	284	199	201	210	222	70	70	68	63	225
2	279	270	265	260	214	204	200	199	65	66	64	61	217
3	253	246	239		197		182	170	57		56		234
4		200	198		160	150	146			50	52		251
5													
6													
7		277	293	308		224	247	262		52	46	46	
8	321	333	344	352	275	288	300	307	46	45	44	45	328
9	366	379		415	316	326	341	362	50	53		53	396
10	429	442	454	473	372	379	394	419	58	63	60	54	361
11	490	504	522	539		437	452	474		67	71	65	
12				595	490	502	514	528				67	334
13	601	613	618	619	534	540	543	543	67	73	75	76	338
14	621	629	638	650	541	544	550	559	79	86	88	91	324
15	661	675	685	695	575	590	602	618	86	85	83	77	299
16	694	689	664	642	614	608	588	556	80	80	77	86	251
17	618	590	549	517	532	515	470	429	86	74	79	87	267
18	498	491	487	477	418	411	410	403	81	80	77	74	290
19	461	447	443	442	387	371	369	369	74	75	73	73	292
20	445	443	438	433	372	372	367	361	73	71	71	72	269
21	427	417	413		355	345	330	316	73	73	83		262
22		377	364	359	307		295	293			69	66	246
23	363	376	375	370	296	304	304		67	71	71		237

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 25 JUN 1975
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	373	372	371	369	305	305	305	305	68	67	66	64	220
1	362	352	339	323		299	289	272		53	50	51	
2	310	295	279	267	259	248	228	209	51	47	51	58	247
3	257	250	244	243	202	198		184	55	52		59	228
4	251	257	257	264	182	178	178	177	70	79	79	87	253
5					176	174	175	178					252
6	242	250	268	284	190	204	218	245	52	47	50	39	265
7	297	313	335	349	260	274	299	309	37	40	36	40	317
8	360	369	375	372	317	322	325	322	43	47	50	50	283
9	372	374	378		322	322	330	340	50	52	48		330
10	408	420	440	455	358	370	384	403	50	51	56	52	342
11	470	481	486	489	418	424	425	425	52	56	61	64	342
12	489	497	512	525	423	427	436	444	66	70	76	81	346
13	537	548	555	552	456	472	483	487	81	75	72	65	330
14		587	587	592	493	499	506	517		88	81	75	323
15	602	609	612	608	522	527	530	529	81	82	81	79	301
16	601	591	587		521	515	508	502	80	77	78		290
17			555	536	495	494	484	467			70	69	281
18	515	501	494	492	425	417	416	415	89	84	78	77	265
19	486	477	463	448	410	406	398	380	76	71	65	68	240
20	433	417	411		367	354	333	309	66	63	77		277
21	377	369	348	335	304	297	286	274	73	71	62	61	251
22	328	326	326	327	261	262	264	266	67	64	62	61	253
23	321	317	312	301	262	256	252	245	59	61	60	56	239

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT [illegible]
10**15 E.M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	288	278	270	265	231	215	207	202	58	62	63	63	242
1	258	253	252	243	197	194	195	188	61	59	58	56	200
2	242				186	181	174	165	55				190
3	200	198	185	171	158	149	139	119	42	49	46	51	179
4	156	142	131		98	87			58	56			197
5													
6													
7		248	275	295			210	243			64	52	
8	308	323	338	350	260	272	288	300	47	51	50	50	374
9	362	368	374	378	309	311		320	53	57		57	377
10		412	427	437	329	343	361	370		69	66	67	380
11	447	459	473	484	375	389	407	418	71	71	66	66	384
12	493	507	521	530	424	430	439	449	70	77	82	81	382
13	541				462	474	482	489	79				383
14					495	506	515	521					296
15				639	526		538	543				96	288
16	630	626	621	613	540	538	534	531	90	89	87	82	276
17	611	609	604	590			524	516			80	75	
18		552	543	527	503	487	469	452		65	74	75	253
19	507	487	460	433	422		396	368	85		65	65	243
20	413		377	359	333	314	305	295	80		72	64	156
21	346	332	322	315	283	270	261	254	62	62	61	62	253
22	310	308	303	298	248	246	240	235	62	62	62	62	237
23	296	292	288	303	234	219		240	62	73		62	234

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALENQUE ELECTRON CONTENT 27 JUL 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	295	295	287	285	237	236	225	228	58	59	62	58	249
1	294	297	277	267	242	248	214	198	52	49	63	69	221
2	278	269	258	245	231	217	203		46	51	55		193
3			191	173	188	171	145	128			46	44	202
4	161	153	146	140	103	93	88	86	58	60	58	54	221
5	137	134	134	139	80	79	80		57	55	54		206
6	151	168	182	194	94	115	140	151	57	53	42	43	302
7			244	260	166	186	195	203			49	57	323
8	275	288	299	315	213	232	251	267	61	56	48	49	334
9	335	356	373		283	306	317	330	51	50	56		364
10		413	417	424	343	354	362	364		59	55	60	343
11	430	445	461	478	367	380	400	416	63	64	61	61	328
12	494	507	516	526		432	437	446		75	78	81	
13	541	551		590	466	480	494	509	74	70		81	295
14			600	604	521	523	527	531			73	73	333
15	608	607	607	607	531	531	530	531	77	76	77	76	367
16	603	592			526	518	499	485	77	74			369
17	554	544	536	531	473	466	457	453	81	78	79	78	363
18	529	526	526	519	446	443	443	433	83	83	83	85	244
19	511	498	476	449	425	417	403	375	86	81	73	73	238
20	419		377	371	346	319	306		73		70		144
21	355	343	330	320	294	285	274	259	62	58	56	61	316
22	311	300	291	286	248	236	215	208	62	64	76	78	144
23	286	284	279	274	211	208	202	201	75	76	77	73	317

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-3 PALEMLA ELECTRON CONTENT 10**15 E/M**3 29 JUL 1974

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	274	275	276	276	202	204	207	207	72	70	69	68	223
1	271	269	266	261	207	206	205	201	64	63	61	60	212
2	251	240		199	198	190	177	156	53	49		43	213
3	180	166	157	156	141	119	97	96	39	46	60	60	242
4	156	155	154		96	94	96		60	61	58		206
5													
6													
7		260	270	281		207	215	240		53	54	42	
8	293	306	319	334	253	264	274	290	40	42	46	44	354
9	345	355	371		300	302	315	328	45	53	56		376
10	411	418	433	445	341	361	373	383	70	58	60	62	341
11	464	485	503	521	403	421	431	442	61	63	72	78	316
12	530	539	551		457	466	483	496	73	73	67		295
13		586			507	516	524	524		70			287
14					511	502	497	499					279
15			590	585	492	492	497	501			94	84	274
16	589	591	595	604	508	511	518	524	81	80	77	80	273
17	613	621	630	637		532	539	546		88	91	91	
18	644	656	662	662	553	572	580	584	91	84	82	79	233
19	651	635	609		577	553	529	508	74	82	80		219
20	531	492	462	441	469	415	401	381	62	77	61	60	248
21	428	411		369	366	344	312	303	62	67		66	250
22	350	335	322	320	293	282	266	261	57	53	57	59	245
23	320	320	318	323	261	260	260	264	60	61	59	59	223

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

CORRECTED FOR SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 29 JUL 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	319	332		346	265	276	274	294	54	56		51	217
1	338	332	327	322	294	291	288	286	44	41	39	36	197
2	311	295	275	249	272	256	233	203	38	39	41	47	175
3			196	190	189	169	149	144			46	46	237
4	186	183	177	174	143	138	133	131	43	45	45	44	224
5	173	172	173	176	128	125	126	135	45	47	46	42	206
6	184	193	202		144	151	164	184	40	42	38		195
7	240	256	270	285		207	219	246		50	50	39	
8	303	314	323	332	262	271	280	289	41	44	43	43	311
9	337	347	359	374	294	303	311	319	43	43	48	55	359
10			418	435	328	344	366	376			52	59	336
11	446	456	463	469	386	400	409	413	60	56	54	56	316
12	473	486	503	515	417	423		441	56	62		74	314
13	531	552			461	485	500	512	70	67			286
14		589			511	514	507	504		74			275
15			590	587	498	501	505	507			85	79	268
16	589			554	505	500	490	484	83			69	263
17	552	545	542	540	476	471	468	465	76	74	74	75	265
18	537	530	513	495	459	445	426	416	78	85	87	79	247
19	484	474	461	444	408	403	391	373	75	70	70	70	244
20	423	413		376	358	332	312	304	65	81		71	235
21	365	352	340	326	298	293	286	271	67	60	54	55	244
22	312	299	288	278	257	243	222	204	55	56	66	73	245
23	265	256	250	243	195	192		188	70	64		56	220

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 30 JUL 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	239	243	258	255	181	179	177	178	58	65	81	77	221
1	249				181	181	171	163	69				252
2	203	198	199	200	155	150	152	152	47	47	46	48	223
3	198	198	198	195	150	150	150	148	48	48	48	47	218
4	192	186	180	174	146	140	132	123	46	46	48	51	216
5	165	157	149	144	108	96	90	88	56	60	59	56	186
6	149	158	171	187	90	96	113	139	59	62	57	48	175
7	200			239	151	166	183	193	48			45	326
8	251	261	271	283	201	206	215	231	51	55	55	52	378
9	291	299	312	322	248	257	266	275	43	42	46	47	400
10	334	349	364	376	288	301	310	319	46	49	54	57	390
11		414	417	426	326	349	362	371		65	55	56	327
12	440	454	466	477	385	396	411	420	55	58	55	57	315
13	489	501	508	515	425	432	436	442	64	69	72	73	290
14	521	525	530	532	448	455	462	466	72	70	68	66	273
15	535	539	545	555	465	470	475	485	70	69	70	70	278
16					490	492	492	497					254
17			550	531	505	497	485	468			64	64	227
18	507	476	438	411	427	409	375	338	79	67	63	73	195
19	377	354	332	312	307	292	271	253	70	62	61	60	231
20	303	298	297	297	238	227	218	220	65	71	79	77	269
21	301	298	294	289	230	226	220	211	71	72	74	78	236
22	285	283	282	280	208	209	212	208	77	74	71	72	208
23	276	273	272	274	204	203	203	208	72	70	69	66	204

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS 3:PALEHUA ELECTRON CONTENT 31 JUL 1970
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	279	278	267	261	215	215	204	201	64	64	62	60	192
1	257	250	245	243	197	194	195		60	56	51		[illegible]
2	237		197	183	188	171	148	132	49		49	51	184
3	167	149	133	124	106	88	78	71	61	62	54	53	[illegible]
4	118	113	111	108	64	58	55	54	54	55	56	55	262
5	106	104	103	105	51	49	49	54	55	55	54	52	243
6	115	132	147	167	65	78	87	107	50	54	60	60	[illegible]
7	186	205		242	133	153	179	193	53	51		48	330
8	251	261	271	284	200	205	215	228	51	56	56	56	[illegible]
9	298	319	339	358	248	266	285	308	49	53	53	50	367
10	377		414	429	319	328	352	371	57		61	58	327
11	442	461	477	492	383	404	417		59	57	59		313
12	507	520	535	548	431	442	466	481	76	78	69	67	288
13	553			590	489	498	504	511	64			78	282
14	589	595	604	611	516	521	526	531	73	75	78	80	282
15	622	632	645	652	533	539	550	556	88	93	95	96	[illegible]
16	657	667	676	685	563	579	590	597	93	88	86	88	253
17	684	674	657	641	596	589	578	552	88	85	78	89	[illegible]
18	622	592		552	529	516	498	481	92	76		71	[illegible]
19	551	543	527	511	472	467	440	422	79	76	87	89	[illegible]
20	493	482	475	464	414	408	403	398	80	73	72	66	[illegible]
21	457				391				66				[illegible]
22													
23							204	180					

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 1 AUG 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	328	314	311	314	270	256	254	261	58	59	57	54	226
1		301	294	280		251	236	222		50	58	58	
2	268	248			206	195	188	167	62	54			188
3	187	168	157	146	143	120	94	87	44	47	63	59	238
4	140	135	131	127	82		75	72	58		55	55	189
5	127	123	122	133	71	67	66	74	56	56	56	59	277
6	148	174	198		84	104	140	167	65	70	58		273
7	256	283	311	327		210	248	265		73	62	62	
8	345	361	364	361	284	296	297	294	61	65	67	67	284
9	362	375	380		296		307	311	66		73		313
10					311	311	310	313					327
11			415	429	318	322	332	353			82	76	326
12	448	462	477	490	369	380	403	415	78	82	74	75	315
13	499	508	514	518	424	428	432	435	75	80	82	82	295
14	521	523	524	524	438	444	444	443	82	80	81	81	277
15	529	532	524	519	450	460	451	443	79	73	74	76	260
16	516	508	496	481	441	437	429	419	74	71	67	61	229
17	456	435	414		394	374	338	318	62	61	75		205
18	371	354	339	319	308	294	274	258	63	60	65	61	210
19	301	285	267	251	236	212		186	65	73		65	242
20	241	241		204	176	167	156	146	65	74		58	267
21	198	196	194	197	137	131	129	134	61	65	65	63	285
22	200	202	203	202	139	142	143	145	60	60	59	57	246
23	203	203	203	202	144	143	143	142	58	60	60	59	239

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-3:PALEMLA ELECTRON CONTENT 2 MAY 1970
10**15 E/M**3

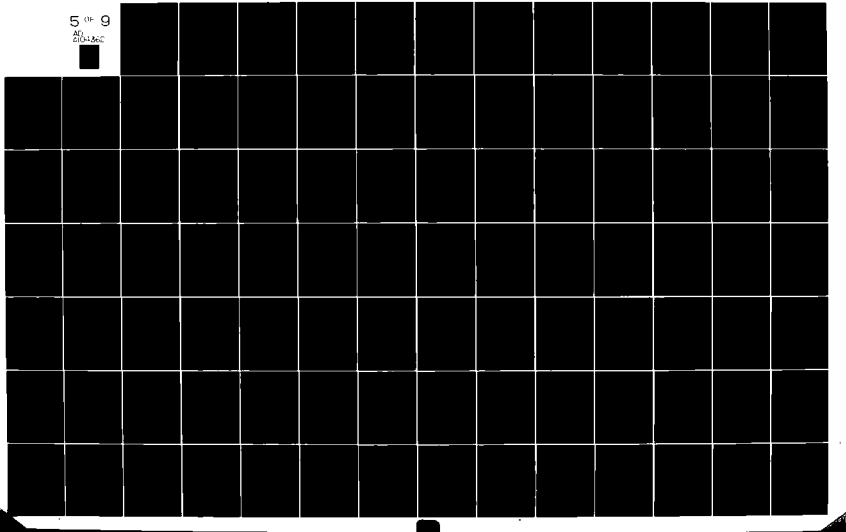
HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	199	194	192	194	140	136	134	136	59	58	58	58	255
1	193	183	174	183	135	127	111	127	58	57	62	56	238
2	178	174	172		120	113	107		58	62	65		226
3													
4													
5													
6													
7													
8			286	295			215	228			71	67	
9	301	312	327	344	236	244	256	271	65	67	71	72	380
10	355	369		408	289	300	310	324	66	69		84	362
11	422	443	459	474	351	367	383	403	71	76	76	71	336
12	488	506	513	520	417	425	427	431	72	81	85	89	303
13	535	550			449	474	484	497	86	76			[illegible]
14	588	603	615	624	520	529	535	541	68	74	79	83	284
15	638	654	667	687	550	570	592	609	89	84	75	78	266
16	704	717	722	712	632	648	652	644	72	69	70	68	244
17	693	666	638	608	622	598	556	540	71	69	82	68	214
18	586	548	514	487	520	479	437	423	66	69	[illegible]	64	[illegible]
19	457	434	411	380	394	370	333		63	64	78		254
20	360	347	341	337	301	288	283	280	62	59	58	57	261
21	333	327	319	312	276	271	262	253	57	56	57	59	[illegible]
22	301	297	290	286	239	231	217	213	62	66	73	74	251
23	282	271	263	256	207	201	198	194	75	70	65	62	[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14
269 ZERO CONTENT ANGLE 49

CORRECTED FOR
DAT. LATITUDE

AD-A104 362 HAWAII UNIV HONOLULU F/G 4/1
PLASMASPHERIC, FARADAY AND TOTAL ELECTRON CONTENTS, 1977 AND 19--ETC(U)
DEC 80 T H HOLLOFS F19628-78-C-0050
UNCLASSIFIED AFGL-TR-81-0143 NL

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ATS-6:PALENDA ELECTRON CONTENT 10**15 E/M**3 2 AUG 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	s.p. KM.
0	255	258	250	245		196	193	191		62	58	55	
1	240				186	180	170	160	53				246
2	198	186	174	169	148	136	128	118	50	50	46	51	232
3	165	162	156	151	110	102	94	88	55	60	62	63	207
4	145	139			84	82			61	56			226
5													
6													
7			290	311			220	246			70	64	
8	320	325	324	318	258	262	260	256	62	63	64	63	341
9	312	303	295	291	248	234	217	211	64	69	78	80	399
10	292	295	302	310	210	214	225	240	82	81	76	70	436
11	315	317	320	323	249	252	255	257	66	65	66	66	440
12	322	320	316	308	258	256	251	241	64	65	65	67	392
13	295	290	292	298	236	231	235	242	59	59	58	56	380
14	306				252				53				383
15	358	369	377		291	303		317	67	66			365
16		412	417	425	322	327	331	338		85	86	87	329
17	433	439	437	432	350	357	362	369	83	82	75	63	292
18	430	420		369	369	359	326	309	61	62		60	238
19	340	316	296	283	275	252	217	207	64	64	79	76	282
20	271	252	240		201	193	182	164	70	59	58		288
21	201	186	175	166	145	121	99	91	56	65	76	74	346
22	159	156	152	145	88	86		82	71	70		63	275
23	141	139	139	138	81	80	79	79	61	58	59	58	288

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 5 AUG 1978

	TOTAL				FARADAY				PLASMASPHERE				S.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0					184	179	179	174					264
1		272	258	244	175	179	183	190		92	75	55	258
2	237	238					184	172					
3	200	191	182	177	159	148	141	140	40	43	41	38	216
4	165	153	144	136	127	103	93	86	38	50	51	50	224
5	128	120	117	119		74	72	73		46	45	47	
6	127	140	161	182	76	89	114	140	51	51	47	42	298
7	200				158				42				227
8													
9													
10													
11													
12								352					
13	424	433	439	442	367	374	381	386	58	59	58	56	334
14	443	444	446	446	389	393	396	398	53	51	49	47	306
15	445	436	423	412	397	387	375	361	48	49	48	51	265
16		374	376	368	344	331	324	317		42	52	51	259
17	357	346	331	315		306	291	272		40	40	44	
18	303	289	278	265	260	242	218	207	43	47	60	57	373
19	249	242				190	182	173		52			
20	197	201	201	201	169	166	162	162	28	35	39	39	298
21	202	201	202	200	162	158	160	170	40	43	42	30	33
22		199	201	201	176	165	161	157		34	40	44	293
23	203			204	165	169	169	168	38			41	330

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

MISSOURI VALLEY

ELECTRON CONTENT
10**15 E/M**3

E REGION

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	200	196	194	193	157	151	150	149	43	45	44	44	245
1	191	187	179	170	148	145	138	131	43	42	41	39	206
2	161	150	139	133	115	98	88	85	46	52	51	47	217
3	128	123	115	107	83	79	74	68	45	44	41	39	231
4	104	103	101	98	66	65	62	59	39	38	39	39	236
5	98	99	100	104	58	59	62	66	40	40	38	38	249
6	115	139			74	87			41	52			353
7													
8													
9													
10													
11													
12			445	462				413				49	
13	478	500	511	526	425	438	452	473	53	62	58	53	230
14	535	548	553		484	494	504	519	51	53	49		289
15	585	597	610	617	534	542	549	556	50	55	60	61	282
16	622	618	617	619	562	559	559	562	60	59	58	57	269
17	614	604	596	592	561	553	548	547	53	51	48	45	273
18	588			551	546		540	527	42			24	253
19	537	519	489	454	510	493	452	425	26	25	38	29	212
20	418		368	343	398	372	327		20		41		220
21	316	286	263	250	297	263	223	206	20	23	40	44	240
22	240		197	200		190	185	174			12	26	
23	198	193	187	183	166	160	155	150	31	33	33	33	232

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 7 AUG 1979
10**15 E-M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	179	170	162	151	145	137	130	114	34	32	31	38	234
1	153	158	159	158	118	125	127	125	35	33	32	33	236
2	152	149	147	144	116	110	107	102	36	39	40	42	233
3	142	141	140	139	98	97	96	93	45	44	45	46	184
4													
5													
6													
7		177	189	199		137	145	156		40	44	43	
8			235	243	166	178	187	195			47	48	324
9	256	270	287	302	202	215	236	248	54	54	51	54	335
10	316	328	342	357	261	279	293	303	55	50	48	55	355
11	370	379		418	311	318	335	360	59	61		58	360
12	440	460	484	506	377	404	419	430	62	56	65	76	337
13	539		587	609	477	500	527	538	62		60	71	318
14	623	635	641	645	547	560	568	575	75	75	73	70	299
15	653	663	668	691	590	601	607	631	63	62	61	59	282
16	687	689	684	676	633	638	634	627	54	50	49	49	271
17	668	654	641	629	617	609	596	580	51	45	45	49	264
18	625	606	590		574	553		527	52	53			235
19	539	514	494	468	501	477	445	425	38	37	49	44	247
20	434		376	374	394	369	334	320	40		42	54	274
21	372	366	356	348	318	314	308	303	54	52	48	45	260
22	343	334	316	303	297	290	273	263	45	44	43	40	249
23	280	252	243	259	241	205	193	208	39	46	51	51	233

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 8 AUG 1975

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	260	249	245	245	201	199			59	50			266
1	245	243	240	241				187				53	
2				200	181	173	166	162				38	220
3	200	194	185	176	158	151	145	136	42	43	40	41	227
4	169	164	161	157	126	118	107	95	43	46	54	62	239
5	155				93				62				261
6			198				146	166			52		
7	244	272	294	308	184	202	238	253	61	69	56	55	305
8	321	336	347	357	264	279	287	294	57	57	60	63	253
9	359	357	357	362	297	293	290	292	62	64	68	70	297
10	375		415	436	303	313	333	357	72		81	79	309
11	455	474	486	501	377	400	412	420	78	74	74	81	337
12	516	526	532	546	430	440	446	466	85	87	86	80	305
13	551				475	488	494	495	75				300
14		508	592	598	501	512	519	525		76	74	73	294
15	602	604	606	608	529	532	535	536	73	72	71	72	291
16	607	600	588		539	535	525	516	68	65	62		245
17	555	541	519	492	497	482	443		58	59	76		238
18	465	443	419		406	379	354	320	59	64	66		252
19	373	356	345	333	306	292	279	268	67	65	66	65	300
20	324	318	312	303	262	253	248	230	63	65	64	73	296
21	296	288	278	269	216	208	201	195	80	80	77	73	245
22	266	264	258	255	194	194	191	189	71	70	67	66	237
23	254	261	257	247	189	194	191	186	65	67	66	62	243

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 9 AUG 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	237	239			175	169	161	161	62	70			251
1				200	157	150	149	146				54	252
2	202	201	197	188	143	142	140	133	58	59	57	55	231
3	180	173	168	163	122	104	94	88	59	69	74	74	233
4	159	156	154		85	83	81		74	73	73		219
5													
6													
7		240	239	242		170	171	176		69	68	65	
8	250	261	276	290	184	192	199	213	66	69	76	77	359
9	303	319	329	345	238	248	256	277	64	71	73	68	352
10	359	376			295		310	314	64				369
11	411	426	445	466	328	350	369	387	82	76	75	79	362
12	488	515	542		413	427	460	481	75	88	82		331
13		595	602	609	499	521	528	532		74	75	77	299
14	614	619	618	612	536	540	540	536	77	78	78	75	269
15	605	599	590	587	534	530	521	509	71	70	69	77	277
16		556	544	530	499	486	473	449		71	71	81	278
17	509	487	474	460	433	421	408	392	76	66	65	68	269
18	450	441	430	415	380	372	361	333	70	69	69	82	269
19		378	368	354	319	309	301	290		68	67	65	261
20	346	339	333	328	277	271	268	263	69	68	65	65	277
21	320	310	296	282	255	235	214	202	65	75	82	80	261
22	266	244	241			180	169	155		65	72		
23		204	204	201	147	138	134	129		66	69	71	287

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

HTS-C:PALENGA — ELECTRON CONTENT 10**15 E.M**3 — 10 [illegible]

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	200	198	183	182	127	125	102	102	73	73	81	81	289
1	183	177	175	174	103	97	96	95	80	80	80	79	256
2	172	172	178	186	93	92	100	117	79	80	78	69	339
3	187	184	184	184	112	107	104	103	75	77	80	81	242
4	185	186	185	182	105	102	96	92	81	85	89	90	217
5	179	178	178	181	90	89	89	90	90	89	89	91	207
6	189	201			103	128	145	157	86	72			222
7	242	251	265	275	169	178	186	192	72	73	79	82	308
8	285	298	314	335	199	214	242	258	87	84	72	77	328
9	348	359	366	374	272	285	290	295	76	74	[illegible]	[illegible]	[illegible]
10			420	438		314	337	359			83	79	
11	453	468	483	501	375	390	407		79	79	76		335
12	520	535			430	451			90	84			299
13													
14													
15		523		584		488	498	510		35		74	
16	584	590	590	591	516	524	525	524	68	65	66	67	264
17	590	593	596	598	522	527	530	533	68	67	66	65	281
18	597	598	599	603	532	534	536	539	65	65	64	64	272
19	609	613	617	611		544	546			69	71		
20	617	634	656	686	544	554	598	629	72	80	57	57	265
21	698	706	716	714	640	646			59	60			236
22	704	676	682		645	625	639		59	51	43		241
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 11 AUG 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	477	446	434	427	416	386	374	365	61	59	60	62	227
1		379	328	300	339	308	264	233		71	64	67	214
2	279	271	255	246	206	198	187	171	74	72	69	75	232
3			197	201	159	153	151	147			46	54	210
4	203	196	188	182	141	136	127	114	61	60	61	68	197
5													
6													
7													
8													
9								310					
10	410	422	444	458	321	346	366	380	89	76	77	78	354
11	469	476	487	499	397	403	411		72	72	77		347
12	511	528	547		427	444	470	485	84	84	77		309
13	591	585	590	589	506	515	522	524	86	70	67	65	297
14	593	599	607	622	529	533		546	64	66		75	284
15	644	662	686	709	567	591	616	648	77	71	70	61	267
16	729		762		660	673	684	676	68		77		247
17	726	720	700	677	666		636	613	60		64	64	249
18	670	658	650	647	607	599	591	583	63	59	59	64	277
19	637	626	630	645	564	552	557	588	73	74	73	57	261
20	652	654	653	644	599	602	599	589	53	52	53	55	252
21	647	654											
22													
23	349	341	330	316			285	270			45	46	

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 18 APR 1975
10**15 E-M**2

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	318	316	313	321	272	267	267	278	46	49	47	43	
1	331	336	327	308	293	298	291	264	38	38	36	44	284
2	293	277	261	246	249	234	208	197	44	42	53	49	196
3	239			204	188	183	176	164	51			40	218
4	201	192	184	179	151	143	136	130	49	49	48	50	259
5	177	175	175	178	126	124	125	130	51	51	51	49	246
6	183	195		235	134	146	168	184	49	49		51	312
7	257	269	291	314	195	203	234	257	62	66	57	57	379
8	345	374		425	287	306	328	358	57	68		68	351
9	449	464	486	487	377	398	413		71	67	73		337
10	517	529	545	554	440	453	470	480	77	76	75	74	368
11	552				489	497	505	509	63				327
12	587	590	592	588	519	525	528	522	68	64	64	65	294
13	592	589	597	592	518	528	533	529	74	61	64	63	283
14	587		543	551	524	516	502	491	63		41	60	307
15	543	532	526	517	482	475	472	460	61	57	55	56	264
16	504	489	483	477	442	432		425	62	57		52	269
17	472	472	470	465	422	422	420	417	49	50	50	48	272
18	465	465	464	460	415	415	413	410	50	50	51	50	283
19	453	446	437	427	401	392	383	377	52	53	54	50	263
20	419	412		365	372	365	334	315	48	46		50	244
21	342	320	309	301	301	281	267	258	40	39	42	43	263
22	294	282	271	251	249	229	209		45	53	62		250
23	252		202	202	185	167	158	157	67		43	45	274

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 12 [illegible]
10**15 E/M**2

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.I. KM.
0	203	202	202	199	157	159	161	152	46	43	41	47	249
1	194	193	192	192	145	145	145	142	49	48	47	50	241
2	191	192	189	182	141	143	139	135	50	49	50	47	221
3	181	177	173	167	134	132	130	123	47	45	43	44	230
4	163	156	151	145	112	99	93	89	51	57	58	56	258
5	139	135	132	135	85	82	80	82	54	53	51	52	268
6	144	164	183	203	90	114	139	163	55	50	44	40	231
7		245	267	291	183	194	210	245		52	56	46	303
8	318	343	370		265	292	309	340	54	50	61		359
9	423	449	464	482	364	387	406		60	62	58		340
10	504	520	542	555	431	451	475	487	73	69	66	68	318
11		585	592	600	507	521	527	530		64	65	70	309
12	606	613	627	642	536	538	548	565	70	75	80	77	299
13	654	666	679	692	587	598	613	628	67	68	66	64	314
14	694	694	689	681	636	636	635	619	59	58	54	62	281
15	666	655	640	620	606	595	585	558	61	59	55	62	267
16	604	590		555	546	538	527	510	58	51		45	321
17	538	523	508	491	492	480	456	436	46	44	52	55	279
18	476	465	456	450		421	413	409		44	44	41	
19	441	429	420	412	398	389	380	373	43	40	41	39	252
20			364	340	354	331	315	305			49	35	333
21	320	295	275	259	286	259	224	205	34	36	51	54	333
22	240			198	194	185	175	158	46			40	256
23	191	189	177	175	147	148	133	132	44	41	45	43	238

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. [illegible]

ATS-6:PALEHUA ELECTRON CONTENT 14 AUG 1975
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	MN.
0	172	174	175	166	127	129	128	112	45	46	47	54	231
1	157	155	155	154	99	97	99	99	58	58	56	55	260
2	148	143	138	124	91	89		78	57	55		46	190
3	119	112	107	104	74	70	66	61	45	42	42	42	184
4	100	98			56	52			44	46			266
5													
6													
7													
8	297	316	335	353	246	260	284	300	51	56	51	53	334
9	374		410	429	314	330	350	366	59		60	63	330
10	449	465	485	502	390	409		426	59	56		76	322
11	519	537		584	446	472	491	514	72	65		69	316
12	603	624	642	660	534	542	563	588	69	81	79	72	303
13	674	685	694	699	604	615	628	634	70	69	66	66	289
14	704	705	710	710	641	644	647	648	63	61	63	62	287
15	706	702	698	694	647	644	642	638	59	58	57	56	281
16	690	687	689	685	635	634	637	632	55	53	52	53	280
17	676	663	650	641	622	609	599	589	54	55	51	52	274
18	633	625	615	599	578	569	556	545	55	57	58	54	247
19			542	517	535	526	503	478			39	39	229
20	490	456	435	420	432	418	399	387	59	38	36	33	266
21	413				368	351	340	361	45				272
22													
23		357	365	347		317	313	305		40	52	42	

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 15 AUG 1975
10**15 E-M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	N.M.
0		528	484	426	300			353				73	231
1	371	347	339	315	324		301	287	47		38	28	[illegible]
2	301	287	277	270	270	254	246	234	31	33	31	35	160
3	257	246		171	206				51				135
4	150	139	123	106	93	82	76	65	57	56	47	41	150
5	97	92	92	96	57	53	51	53	40	39	41	42	283
6	108	128	153	180	66	77	89	135	42	51	64	45	272
7			262	290	163	183	199	239			63	51	316
8	319	346	377		265	294	313	349	54	52	64		[illegible]
9	438	451	466	480	372	392	407		66	59	[illegible]		[illegible]
10	496	518	539	551	425	447	471	481	71	71	68	69	307
11		585	593	598	503	516	526	529		68	68	69	301
12	608	621	633	653		540	550	576		80	83	77	
13	669	690	703	707	597	618	638	641	72	72	66	66	[illegible]
14	704	704	699	692	642	642	637	621	62	63	63	70	293
15	690	695	696	696	620	629	634	632	69	67	63	64	306
16	692	688	681	683	630	625	620	622	62	63	60	60	[illegible]
17	690	694	705	718	633	640	651	661	57	53	54	57	[illegible]
18	724	724	703	676	673	677		628	50	46		47	[illegible]
19	620		523	476	568	534	472	425	52		51	51	[illegible]
20	435		376	344	399	354	318	301	46		58	[illegible]	[illegible]
21	319	302	277	261	280	254	215	201	40	47	61	60	[illegible]
22	252	243	237	237	198	192	188	186	55	51	48	51	[illegible]
23			203	199	192	174	160	150			43	49	240

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LONGITUDE

ATS-6:PALEHUA ELECTRON CONTENT 16 [illegible]
10**16 E/M**2

	TOTAL				FARADAY				PLASMASPHERE				T.E.C.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	199	199	193	192	148	147	142	143	51	52	51	49	212
1	190	188	185	179	141	140	138	135	49	48	48	45	215
2	173	165	159	153	127	115	102	94	46	50	57	59	111
3	147	144	141	139	89	86	84	82	58	58	57	57	
4	137	132			81				55				169
5													
6													
7			245	274				206				68	
8	301	329	358		243	264	298	318	58	65	61		300
9	419	451	478	499	353	379	410	422	67	72	67	77	330
10	527	550		589	452	472	486	513	75	78		76	321
11	608	625	643	664	529	538	551	578	79	86	92	86	305
12	682	695	709	727	595	608	626	644	87	87	83	83	301
13		763	776	782	657	667	691	700		96	85	82	286
14	788	788	786	784	711	711	711	711	77	76	74	73	278
15	779	769	763		709	704	688	662	70	66	75		258
16	710	686	663	643	648	624	602	575	62	62	61	68	269
17	624	608	597	588	550		538	526	73		60	62	263
18		551			502	490				60			265
19													
20													
21				282				211				71	
22	275	270	266	262	206	202	199		69	68	66		251
23	257	252	245	243	191	189	184	183	66	63	61	60	246

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 17 AUG 1978
1.E**15 E/M**2

	TOTAL				FARADAY				PLASMASPHERE				S.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	238	238	243	238	176	175	170	173	62	63	73	65	232
1	242	248	254	253	180			195	61			58	[illegible]
2	248	241		199	189	178	162	149	60	62		50	[illegible]
3	194	183	173	166	141	131	114	98	53	52	58	68	213
4	162				92	90	91	95	70				204
5	169	169	167	169	101	101	97	111	68	68	70	58	217
6	177	187	199	195	128	139	149	163	49	48	49	32	[illegible]
7		219	252	273	175	185	193	211		34	59	61	274
8	298	324	352		245	265	293	317	53	59	59		384
9	422	452	483	513	361	388	413	434	61	64	70	79	337
10	547		603	630	477	499	526	538	69		77	92	332
11	661	695	717		579	611	633	645	82	84	84		306
12	763	786	810	834	663	695	722	751	100	91	88	83	293
13	849	852	852	849	764	765	766	765	85	86	86	84	290
14	843	830	815	801	766	757	733	718	77	72	82	83	295
15	801	806	806	804	720	726	725	725	81	80	81	80	290
16	803	811	831	859	726	735	764	781	77	76	67	77	[illegible]
17	883	897	903	905	811	830	851	855	72	67	52	50	[illegible]
18	891	850	790	708	839	787	748	658	52	63	42	50	[illegible]
19	635		521	474		523	458	421			63	53	
20	446	421		376	396	366	324		50	55			321
21	360	350	339	324	303	297	283	268	57	53	56	56	270
22	315	312	309	298	255	253	250	241	61	59	59	57	[illegible]
23	279	264	252	247	206	197	193	190	73	67	60	57	211

4.866E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 1[illegible]

	TOTAL				FARADAY				PLASMASPHERE				......
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	247	249	245	244	187	184	178	183	60	65	68	61	[illegible]
1	243	239			175	159	143	131	67	79			[illegible]
2	198	203	197	181	124	113	98		74	89	99		[illegible]
3	164	144	125	118		69	57	49		75	[illegible]	[illegible]	
4	115	114	116	118	44	44	45		71	70	71		223
5													
6													
7													
8				426			208	316				110	
9	442	459	477	499	339	371	403		102	88	74		310
10	512	518	530	546									
11		763	785	801	559								389
12	827	844	862	870		762	765	797		82	[illegible]	[illegible]	
13	876	882	886	887	818	829	832	822	58	53	[illegible]	[illegible]	[illegible]
14	883	885	885	888	825	829	838	847	58	56	47	41	401
15	891	887	881	867	849	842	812	788	42	45	69	78	375
16	846	823	804	782	793		769	734	53		36	48	[illegible]
17	760	724	679	635	679				81				304
18	589	534	489					190					
19					173	145	124	118					241
20	170	170	169	174	115	117	116	116	54	53	53	58	257
21	185	192	201	204	113	110	102	96	72	82	99	108	[illegible]
22	202	196	190	184	84	94	105	99	117	102	86	85	182
23	181	180	180	177	94	91	96	104	88	90	84	74	202

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 19 AUG 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	174	173	164	155	110	111	97	89	63	62	67	66	255
1	154	155	154	154	89	90	90	91	66	65	64	63	228
2	153	151	150	145	89	89	87	85	64	63	63	60	221
3	139	129	123	117	78	75	70	66	60	54	53	51	218
4	111	107	104	99	60	55	48	41	51	53	57	57	236
5	95	93	93	96	37	35	34	39	58	58	58	57	296
6	105	125	146	171	50	71	84	109	55	54	63	61	282
7	190	203			136	150	165	174	54	52			247
8	238	239	247	259	179	184	190	197	59	54	57	62	288
9	273	289	308	326	208	231	249	264	65	59	59	62	378
10	348	371		425	292		326	359	57			66	396
11	453	479	502	529	385	413	426	455	68	65	76	74	329
12	553		592	610	484	502	524	537	69		68	72	300
13	628	640	651	654	550	567	580	587	79	73	70	66	272
14	667	670	675	674	601	606	612	611	67	65	63	63	269
15	676	676	675	673	615	615	615	615	61	61	60	58	263
16	663	651	637	626	608	596	575	559	55	54	62	67	252
17	616	608	603	601	551	548	547	546	65	60	57	55	243
18	597	593	589			540	537	531		53	51		
19	554	524	495	470	510	475	433	423	44	49	62	47	222
20	455	447	431	416	412	406	389	370	43	40	42	45	246
21					340	336							[illegible]
22			339	300			283	248			55	52	
23	283				222				61				233

4.860E 14 CONTENT PER DEGREE 6.250E 14
269 ZERO CONTENT ANGLE 49

CORRECTED FOR SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 20 MAY 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0													
1			196	178	173	154	144	129			52	50	166
2	163	149	137	120	104	90	82	73	59	59	55	47	158
3	110	104	98	94	65	57	48	41	46	47	50	53	221
4	91	90	89	88	37	34	33	32	54	56	56	56	278
5	87	87	87	92	32	33	36	42	55	54	51	49	295
6	105	122	144	168	56	71	84	109	49	51	61	59	230
7	189	200		243	138	153	172	186	51	47		57	236
8	263	280	302	321	197	215	244	262	66	65	58	60	300
9	342	370			290	309	335	364	52	61			328
10	456	484	521	555	399	420	449	490	58	64	73	64	307
11	594	625	660	687	526	545	585	605	68	80	75	82	288
12	711	727		770	636	647	657	680	75	80		90	281
13	791	804	812	817	709	722	730	743	81	82	82	74	262
14	829	833	828	815	760	763	763	753	69	70	65	63	261
15	800	778	764		738	718	705	675	62	60	60		251
16	727	712	686	673	664		639	624	63		47	49	242
17	669	668	669	668	618	618	621	622	51	50	48	46	257
18	660	647	629	610	612	603	578	552	47	44	51	58	247
19	591		553	521		533	519	485			34	37	
20	492	465	434		435	421	392	361	58	44	42		230
21		355	327	303	320	305	286	257		50	41	46	227
22	278	260	244		219	204		183	59	56			200
23		201	195	184	168	159	150	142		42	45	43	205

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 21 AUG 19[illegible]

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	174	171	167	163	130	124	120	112	45	47	46	51	229
1	159	155	152	148	106	102	100	96	53	53	53	52	182
2	144	140	137	131	93	90	86	82	52	51	51	49	[illegible]
3	123	118	112	107	78	75	71	66	45	44	41	41	194
4	104	101			62	60			41	41			203
5													
6		120	140	161		74	84	101		46	57	60	
7	180	203		238	134	153	173	185	46	50		53	252
8	246	255	267	280	194	199	210	227	52	56	57	53	337
9	291	304	312	323	240	249	255	262	51	54	58	61	335
10	342	363	380		288	304	317	346	54	59	63		326
11	423	440	459	484	367	379	397	419	57	61	62	65	300
12	505	529	555		433	458	488	511	72	71	67		289
13	602	627	662	680	535	555	594	612	67	73	68	68	278
14	695	702	712	717	631	639	646	646	64	63	66	70	
15	723	724	726		651	651	653	660	71	72	72		
16		778	798	819	673	712	733	761		66	66	58	
17	825	812	778	718	768	761	723		57	51	55		
18	655		521	446	603	526	444	395	51		76	51	
19		352	324	308	325	298	271	257		54	54	51	272
20	295	276	251		235	205	193	177	60	70	58		264
21		195	185	175	152	139	128	108		56	57	67	240
22	168	160	156	153	95	89	88	87	73	71	68	66	219
23	152	152	151	141	87	88	87	80	65	64	64	61	201

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 23 AUG 1975
10**15 EL M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. MM.
0	135	139	151	153	77		89	90	57		62	63	161
1	150	150	148	142	87	88	87	83	63	62	62	60	140
2	129	116	108	103	77	68	56	47	52	49	52	56	117
3	98	95	93	92	43	40	39	37	55	55	54	55	213
4	92	91	91	91	36	36	35	34	56	55	56	57	223
5	89	87	84	85	33	31	30	33	56	56	55	52	192
6	90	103	119	138	39	56	69		51	47	50		185
7	155	175	195		94	128	146	166	61	47	49		251
8	241	256	273	287	185	195	206	232	55	61	67	55	251
9	302	309	313	319	248	253	257	258	54	56	57	61	287
10	331	343	355	365	266	283	295	303	65	60	60	62	309
11	376		410	425	310	317	330	352	66		80	73	318
12	441	456	473	487	368	382	403	418	73	74	69	70	308
13	506	523	540	551	429	440	462	477	77	83	78	73	281
14	554			586	486	495	503	512	68			74	275
15	589	593	600	599	523	530	537	537	66	64	64	63	263
16	597	595	590		537	537	534	523	60	59	56		237
17	554	524	486	448	501	471	429	395	52	54	56	53	190
18	415	373	343	315	365		291	261	50		52	54	196
19	286	263	243		217	200	187	177	69	63	56		218
20				203	167	160	156	153				50	295
21	204	202	198	195	149	147	143	140	54	55	55	55	281
22	188	184	182	182	131	125	124	139	57	59	59	43	264
23		200	189	180	173	147	132	120		53	57	61	315

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 23 AUG 1975
10**15 E.M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	175	174	174	174	111	110	110	111	65	64	64	64	208
1	173	170	167	165	108	108	107	102	65	61	60	63	202
2	159	151	141	135	94	85		76	65	66		58	156
3	128	121	115	112	70	65	60	56	58	56	55	56	110
4	110	109	109		53	51			57	58			239
5													
6													
7		181	195	203		130	141	149		52	54	54	
8			238	244	159	171	181	190			57	55	249
9	253	264	275	284	197	202	209	224	56	62	66	60	282
10	301	316	334	346	243	257	276	290	57	60	58	56	349
11	356	373		410	301	310	320	338	55	63		72	349
12	423	435	445	455	359	372	380	394	64	63	65	61	307
13	467	479	483	490	412	422	423	426	55	57	59	64	286
14	493	496	499	500	430	431	432	433	63	65	67	68	277
15	506	517	529	545	437	446	467	488	69	71	62	57	271
16					506	518	525	529					242
17		549	514	488	518	495	457	432		54	57	56	194
18	464	442		368	419	391	351		45	50			191
19	327	291	241		278	228	190	157	49	63	51		193
20	188	176	168	163	136	116	103	96	52	60	64	67	196
21	158	156	153	152	92	91	89	87	66	65	64	65	236
22	150	151	148	145	87	88	87	86	63	63	61	59	317
23	145	143	139	137	86	85			59	59			331

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 24 AUG 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	133	136	140	149		83	85	91		53	56	58	
1	152	130	132	135	86	77		82	66	53		53	213
2	136	135	133	126	83	82	82	75	53	52	51	50	138
3	114	104	97	93	68	58	49	43	46	46	47	50	123
4	90	88	86	84	39	36	35	33	51	52	51	51	194
5	80	78	75	76	30	27	26	30	51	51	50	47	185
6	83	99	115	131	41	57	71	82	42	42	44	49	215
7	148	166	183	199	93	124	144	162	55	42	39	37	240
8		240	252	272	180	189	199	217		51	53	55	290
9	291	309	325	344	246	260	273	294	45	48	53	49	325
10	363		413	439	309	322	358	381	54		55	58	295
11	462	483	504	521	411	423	435	460	51	59	69	61	286
12	537	548			477	487	496	501	60	61			285
13		586	598	611	510	521	533	540		64	66	71	279
14	627	648	667	690	553	573	600	623	74	75	67	66	269
15	709	723			648	660	669	676	61	63			256
16		720	686	648	674	658	624	587		61	62	61	208
17	607		547	519	546	518	486	452	61		61	66	217
18	490	469	451	430	431	419	402	376	60	50	49	54	236
19		376	361	350	340	315	307	302		61	54	49	246
20	343	338	336	327	298	295	293	285	44	43	42	43	250
21	320	312	301	294	274	264	256	247	46	47	45	47	234
22	281	270	246	243	227	205		185	54	65		57	217
23		197	194	191	163	145	145	139		52	49	52	189

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 25 AUG 197?
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. N.M.
0	183	183	187	183	135	135	139	134	48	48	48	50	212
1	174	166	159	158	121	107	99	96	53	58	60	62	[illegible]
2	153	149	142	138	92	86	82		61	63	60		198
3	134	132	131	128	77	77	76	74	57	55	54	53	198
4	124	121	123	121	71	70	71	69	53	51	52	52	198
5	118				67				51				219
6													
7			252	266		68		198				68	
8	276	288	288	301	208	214	224	246	67	66	65	55	211
9	316	331	344	353	266	269	264	252	50	62	[illegible]	[illegible]	[illegible]
10	367			415	303	311	319	338	63			77	319
11	427	441	456	469	359	370	385	399	68	71	71	70	314
12	492	512	534	553	420	431	459	483	73	81	75	70	292
13					489	492	494	493					262
14					496	497	499	501					267
15			591	586	501	500	513	522			79	63	260
16	589	592	593	593	527	532	535	536	61	61	58	58	244
17	593	590		553	534	523	509	496	60	67		57	228
18	534	504	465	435	478	436	415	380	56	68	50	55	[illegible]
19	415		369	355	355	320		301	60			54	224
20	338	322	312	305	288	272	262	255	50	50	50	50	251
21	301	296	286	278	250	245	218	208	51	51	68	69	269
22	270	266	258	250	202	201	199		68	65	59		223
23	244	242	239	243	192	191	190	184	53	51	49	58	197

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 26 AUG 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0					180	175	163	157					208
1	201	202	201	196	154	152	149	147	47	50	51	49	203
2	188	177	164	146	138	129	104	86	50	48	60	60	202
3	130	116	109	106	76	70	62	54	54	47	47	52	195
4	104	101	100	100	50	49	46	45	53	52	54	55	228
5	101	100	98	98	45	48	49	52	56	52	49	45	213
6	108	123	141	156	60	72	82	92	49	51	59	64	204
7	168	184	199		113	136	149	170	55	48	50		227
8		242	268	290	185	198	216	242		44	51	48	231
9	308	324	337	347	257	270	284	295	51	55	53	52	305
10	365			406		317	339	360				46	
11	420	432	440	452	373	381	389	402	47	51	51	50	299
12	467	483	496	510	416	425	429	438	51	58	67	72	289
13	521	533	541	549	450	467	475	482	71	67	65	67	279
14	551				489	497	503	508	61				268
15				550	513	513	506	500				50	245
16	543	513	484	451	488	458	433	416	55	55	51	35	219
17	413			356	379	338	317	303	34			53	211
18	341	324	309	285	286	272	260	232	55	52	48	54	215
19	264	240	220		203	192	175	159	61	48	45		213
20	196	196	190	191	147	140	134	137	49	56	56	54	305
21	196	199	199	197	143	147	150	146	53	52	49	51	278
22	190	186	178	170	139	135	129	117	51	51	49	53	254
23	167	165	157	149	111	110	100	93	55	55	57	56	197

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 27 AUG 1976

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	144	138	137	134	88	85	85	83	56	52	52	51	211
1	130	122	116	112		76	73	71		46	43	41	
2	110	109	105	103	69	69	67	65	41	40	38	38	253
3	102	102	103	103	64	66	67	68	38	36	35	35	239
4	104	105	104	104	68	68	66	64	36	37	38	39	233
5	103	102	104	108	62	59	59	62	40	43	45	46	281
6	120	147	179		69	83	111	145	51	65	69		328
7	241	268	299	325	172	193	217	249	69	75	82	76	426
8	350	370		414	272	296	310	325	78	74		88	369
9	428	443	455	460	347	363	373	377	81	80	83	83	324
10	466	476	486	500	387	397	407	415	79	78	79	85	323
11	508	517	526	538	422	426	431	441	86	91	95	97	312
12	547			588	455	470	486	503	92			85	310
13	602	615	622	626	526	535	541	542	76	80	81	85	288
14	625	623	611	594	543	543	537	524	82	80	74	71	273
15	589		553	549	505	492	486	478	83		66	71	267
16	534	521	506	486	464	445	433	423	70	76	73	63	245
17	461	431		373	398	370	331	310	63	61		63	234
18	346	336	330	317	286	273	269	256	60	63	61	61	267
19	296	286	289	303	229	222	246	261	67	64	44	42	287
20	312	341			270	303	332	323	42	38			277
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 26 AUG 197x
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	E.T. KM.
0													
1													
2													
3				152									
4	142	161	139	123				76				47	
5	111	104	94	95	70	65	58	58	41	38	35	36	
6	100	106	118	128	66	71	77	84	34	36	41	43	
7	144	150	145	140	98	105	101	96	46	45	45	44	351
8	136	133	131	131	93	91	90	90	42	41	41	41	336
9	134	138	141	147	92	95	99	108	41	43	42	39	378
10	157	165	173	176	119	133	141	146	38	31	32	30	466
11	177	176	175	176	148	147	145	146	30	29	30	31	445
12	177	179	183	185	147	150	152	154	31	29	32	32	442
13	184	185	186	186	156	156	157	157	28	29	29	29	417
14	187	187	187	183	157	158	158	157	30	29	29	26	437
15	179	174	172	167	153	149	147	144	26	25	24	23	366
16	160	155	153	150	140	136	133	128	20	19	20	22	335
17	149	150	153	158	124	121	122	127	25	29	31	31	332
18													
19													
20													
21													
22													
23				132									

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 29 AUG 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	133	129	127	127	92	91	90	91	41	38	37	36	220
1	127	125	120	114	91	89	88	84	36	36	32	30	202
2	107	97	89	81		73	67	61		24	22	21	
3	75	70	68	66	54	45	40	39	21	26	28	26	222
4	66	66	65		40	38	35		26	28	30		223
5													
6				124				88				36	
7	137	144	151	158	100	111	121	129	37	33	30	29	266
8	164	171	177	183	135	140	145	148	28	31	32	35	377
9	188	193	198	201	153	159	166	174	35	34	32	27	410
10					182	186	189	193					486
11	239	245	252	259	198	202	206	212	41	43	46	47	440
12	258	260	257	256	213	215	214	212	45	45	44	44	364
13	252	247	242	239	210	207	204	203	42	40	37	35	360
14	239				202		198	195	37				335
15					194	192	191	191					342
16	185	189	188	185	188	187	188	188	-3	2	0	-3	322
17	183	180	174	174	188	188	188	187	-5	-7	-14	-13	303
18	188				183	179			5				314
19													
20													
21													
22													
23				137									

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-3:PALEHUA ELECTRON CONTENT 30 AUG 1975
10**15 E/M**2

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	P.M.
0	138	137	134	133	91	89	89	88	47	47	45	45	225
1	133	131	129	129	87	86	86	87	45	44	43	42	225
2	128	126	122	120	85	83	81		43	43	41		235
3	118	116	115	113		78	78	76		38	37	37	
4	110	106			75	73			35	33			193
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 31 AUG 1979
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	..I. KM.
0	136	146	150	146	85	91	95	91	51	55	55	55	
1	144	139	137	137	89	86	86	85	56	53	51	52	
2	136	134	133	133	84	83	83	83	52	51	50	49	
3	129	123	117	113	81		76	73	48		41	41	
4	108	106	104	103	70	68	66	64	38	39	39	39	
5	101	101	104	112	63	63	67	72	37	38	37	40	
6	122	141	163	193	76	86	121	150	46	55	42	43	
7		247	271	293	181	197	218	246		51	53	47	341
8	319	339	356	377	271	296	305	315	49	43	51	62	291
9		413			344	360	372	394		53			328
10					415	425	448						326
11						522	531	536					
12	607	616	626	636	541	546	554	575	66	70	72	61	296
13	647	652	657	658	596	601	605	608	51	50	51	49	280
14	649	633	609	590	605	594	554		44	39	54		255
15	555	534	515	499	517	491	477	454	38	43	38	45	252
16	480	456	435	417	435	420	393	373	45	36	42	45	230
17	408			382	366	359	348	330	42			52	230
18	371	359	350	337	317	311	306	297	54	49	44	40	334
19	320	302	281	267	280	257	229	209	40	44	52	58	311
20	253	243	236		201	195	192	187	53	48	43		280
21				201	181	176	171	170				31	260
22	205	205	202	198	164	158	154	149	40	46	48	49	311
23				166				112				54	

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 1 SEP 1975

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	165	162	155	148	107	103	95	90	58	59	60	59	238
1	145	145	147	149	87	88	90	91	59	57	58	58	223
2	150	147	143	139	90	89	87	85	60	59	57	55	216
3	138	137	135	131	83	82	81		54	54	54		215
4	128	127	124	121		77	75	74		50	48	47	
5	118	116	116	122	73	72	71	74	46	44	45	48	248
6	139	157	184			94	134	161		63	50		
7	241	276	309	337	187	207	255	283	54	69	54	54	341
8	365		427	453	306	332	372	398	59		55	55	338
9	476	502	514	528		432	439	471		70	75	57	
10	552		601	630	491	516		548	61			82	328
11	660	692	716	731	591	619	646	653	70	72	70	78	323
12	765	785	805	811	684	714	733	740	81	71	72	71	302
13	814	810	813	811	748	740	748	745	66	70	65	66	301
14	812	813	805	800	748	754	741	738	64	60	64	62	284
15	783	765		728	720	706	681	666	63	59		62	266
16	707	681	657	633	655	635	604	586	52	46	53	47	252
17	603		540	510	555	528	492	460	48		48	49	220
18	486	461	441	423	431	417	395	374	54	44	46	50	218
19		379	356	329	352	321	306	287		57	50	42	211
20	312	293	283	278	261	242	230	223	50	51	54	56	303
21	277	279	287	293	221	229	235	247	56	50	52	46	256
22	299	300	292		251	252	246		48	48	46		257
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 2 SEP 1976

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	I.P. KM.
0	241	238	237	237	189	187	186	187	51	51	51	49	237
1	238			200	186	182	168	150	51			50	227
2	191	185	178	172	142	137	134	128	49	48	44	44	222
3	165	157	148	139	117	106	93	85	48	51	55	54	211
4	134	129	125	122	82		76	74	51		49	48	212
5	119	116	114	119	73	71	71	73	46	45	44	47	240
6	129	152	178			91	132	161		61	46		
7	240	268	301	331	188	204	247	276	51	64	54	55	286
8	363		416	443	306	324	359	382	57		56	61	321
9	468	496	532		410	422	468	502	58	74	64		351
10	600	634	673	702		552	597	631		82	76	72	
11	723		762	792	646	653	674	712	77		88	80	
12	820	836	847	851	746	762		770	74	74		81	
13	848	830	817	804	774	767	756	742	74	63	61	62	
14	792	784	775	763	728	720	716	710	63	64	59	53	
15		728	704	684	698	688	662			40	42		257
16													
17			459	430			425	395			35	35	
18	410		370	352	372	339	319	309	38		51	43	248
19	341	327	314	303	301	289	275	261	40	39	39	42	263
20	286	275	265	258	240	217	206	201	46	57	59	57	326
21	252	248	246	249	197				55				275
22	251	248	244		196	196		190	55	53			246
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 3 SEP 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T
HST	00	15	30	45	00	15	30	45	00	15	30	45	HM.
0	275				175	170	165	162	99				245
1	199	203	200	191	159	154	149	143	40	49	51	48	240
2	179	167	154	146	135	121	98	90	45	46	56	56	245
3	139	135	132	132	85	82	80	80	55	53	51	51	218
4	133	134	134	132	80		77	77	52		57	55	224
5	130	127	122	120	76	73	71	71	54	54	51	49	204
6	132	150	175	201	77	89	118	147	55	61	57	54	218
7		256	283	309	177	196	220	249		60	63	59	356
8	334	357	377		277	299	309	330	57	59	68		338
9	427	453	482	505	365	397	417	429	62	57	65	76	349
10	539		598	631	473	498	531	547	66		68	84	329
11	664	683	687	681	596	615	623	612	68	68	64	69	300
12	670	663	662	666	605	599	597	599	65	65	66	67	314
13	672	679	683	683	606	612	619	619	66	67	64	64	304
14	681	675	660	633	622	618	608	583	59	57	52	50	279
15	614	587	543	511	556	538	496	460	58	49	46	51	234
16	480	456	439	432	431	409	387	379	49	47	52	53	267
17	421	415			372	363	355	348	50	52			264
18				374	341	330	323	314				59	273
19	360	343	320	302	305	295	275	261	55	47	46	41	245
20	285	269	250	239	240	210	194	186	45	59	57	52	293
21	243				184	180	173	166	59				279
22	193	200	199		158	155	151		35	45	47		264
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 4 SEP 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	196	197	196	193	144	143	141	138	52	54	54	55	[illegible]
1	196	196	196	198	142	141	143	146	54	55	53	52	236
2	195	185	173	162	143	135	123	103	52	51	50	59	205
3	150	139	130	122	87	80	75	71	64	59	54	51	200
4	117	114	112	111	69	66	64	61	48	48	48	51	246
5	109	107	106	111	58	56	55	57	51	51	52	55	278
6	123	139	167	197	70	82	101	138	53	58	65	59	286
7		257	283	313	173								288
8	333	361		421			316	353				69	
9	451	481	519	551	383	416	444	479	67	65	75	71	342
10		617	648	683	515	539	570	602		78	78	81	319
11	702	717			625	641	648	654	77	76			325
12					663	663	659	656					293
13	720	721	713	704		650	646	638		71	67	66	
14	696	685	673	660	631	615	608	600	65	70	65	60	283
15	649	634	622	608	588	568	552	545	61	66	70	63	[illegible]
16	593		552	540	537	521	499	487	56		53	53	[illegible]
17	517	491	468	450	455	430	418	398	62	61	50	51	236
18	431	415		369	376	353	320	309	55	62		60	233
19	349	336	323	312	295	281	267	257	54	54	56	56	264
20	299	282	270	264	243	210	202	199	56	72	68	65	304
21	252	250	255	261	191	191	192		61	60	63		291
22	266	270	277		197	199	207		69	71	70		253
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 5 SEP 1975
10**15 E/M**2

	TOTAL				FARADAY				PLASMASPHERE				I.P.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	252	241	241			185	178	170		56	62		
1		200	191	182	158	143	134	127		57	57	55	266
2	177	174	169	159	119	114	104	93	58	61	65	65	217
3	149	139	133	129	85	81	78	75	64	58	55	53	212
4	127	124	123	121	74	72	69	67	53	52	54	54	224
5	119	119	121	131	64	63	63	70	55	56	58	61	289
6	145	170	199	238	77	95	137	170	69	75	62	68	300
7	268	295	323	353	195	222	255	287	73	73	69	66	272
8		416	434	451	310	340	363	381		76	71	71	277
9	468	489	508	526	403		428	446	65		80	80	317
10	545		598	605	476	494	521	531	68		77	74	331
11	624	657	699		541	578	622	647	83	78	77		312
12		785	807	828	661	702	724	743		83	83	85	311
13	844	867	898		762	774	815	838	82	93	83		312
14	938	943	940	938	852	862	863	854	87	81	78	85	301
15			899	881	846	838	827	806			72	75	283
16	870	860	844	832	792	783	775	768	79	77	69	64	276
17	807	791	772		748	727	714	675	59	64	59		272
18	717	692	667	623		637	613	553		55	54	70	
19		545	522	515	523	482	450	439		63	72	76	263
20	521	524	537	546	448	450	473	481	72	75	64	65	318
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 6 SEP 1976

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	357	354	347	340	294	293	285	280	63	62	63	60	
1	334	325	316	307	272	263	258	250	62	62	59	56	238
2	294	276			238	214			56	62			322
3													
4													
5													
6	173	196		269	105	136	165	197	68	60		71	304
7	306	339	371		243	271	302	315	63	67	69		359
8	419	442	459	486	355	373	392		65	69	67		347
9	503	519	529	552	427	441	453	483	76	78	76	68	309
10		584	596	611	491	514	529			70	67		305
11	617	629	650	672	539	547	568	591	78	83	82	82	311
12	699	727		784	621		665	703	79			81	322
13	811	831	844	862	736	759		781	75	71		81	286
14	870	878	879	877	791	809	812	808	79	69	67	69	272
15	874	868	862	852	808	799	792	783	66	69	69	69	271
16	837	822	809	794	775	769	759	745	63	52	51	49	244
17	772		706	680	721	689		634	52			46	245
18	640		526	491	593	535	483	432	47		44	59	239
19	460	444	428	427	414	392	376	378	46	52	52	49	257
20	434	430	445	465	385	387	392	407	49	51	53	58	288
21	482					376	311	275					
22					232	197	178						194
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 7 SEP 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0													
1							277	256					
2	378	370	360	345	248	239	224		129	131	136		163
3	308				164	143	122	90	143				177
4		201	186	178	76	65	55	48		136	132	130	204
5	173	170	168	167	45	42	41	44	128	128	126	122	281
6	169	183	204		59	77	99	140	110	106	104		241
7			323	345	167		209	240			114	105	269
8	365	389			260	280	302	315	105	109			294
9		493	523	554	363	388	414	432		105	109	122	347
10				665	477	499	524	539				126	325
11	689	712	739		555	594	608	637	134	118	131		304
12			826	839	651	664	688	711			137	129	311
13	856	868	880	882	723	731	738	736	133	137	142	146	305
14	880	875	863	854	731	721	712	699	150	154	151	155	308
15	847	846	847	850	702	703	705	705	145	143	142	145	310
16	851	857	863	866	711	716	719	720	140	141	144	145	309
17	864	856	846	828	718	711	690	662	146	145	156	166	285
18			718	675	637	594	546	518			172	157	281
19			528	493	466	414	375	330			154	164	250
20					312	302	281	260					291
21	376	345	315	304	222	197	182	172	153	148	133	132	302
22					165	155	147						292
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 8 SEP 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	163	162	160	157	97	96	93	91	66	66	67	66	249
1	155	155	157	158	89	89	91	93	66	66	66	65	230
2	158	155	150	145	92	88	85	83	66	67	65	62	204
3	141	137	133		81		77		60		56		217
4													
5	101	95	91	92	55	49	44	46	45	46	46	46	251
6	104	131	163	193	60	79	101	140	44	52	61	53	214
7		237	253	276	168	187	197	208		49	57	67	235
8	294	324	355		244	267	300	317	50	57	55		306
9	411	431	452	475	355	373	398	415	56	58	54	60	324
10	501	524	551		431	466	487	509	71	58	64		324
11	586	600	618	634	526	534	542	556	60	66	75	79	332
12	653	673	689	708	583	600	620	642	70	73	69	66	319
13	725		762	776	653	665	684	704	71		78	72	307
14	785	792	796	798	717	724	726	727	68	67	69	72	307
15	802	802	801	800	735	737	736	735	68	66	66	65	292
16	796	791	780	761	732	729	722	708	63	62	58	53	266
17		711	688	667	677	659	643	621		52	45	47	237
18	647	621	591		598	557		521	49	63			252
19	535	518	487	466	487	463	429	421	48	55	58	46	245
20	444	422		364	401	373	344	311	43	50		53	258
21	351	306	279	264	286	256	233	203	45	44	36	61	213
22	263	268			200	205	217		63	63			230
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0	290	271	257	246	234	205	194	187	56	66	63	59	[illegible]
1	240			201	181	174	164	153	59			48	246
2	198	193	187	181	146	143	138	134	52	50	50	47	222
3	176	173	167	161	128	118	104	95	49	54	62	66	274
4	158	157	156	152	93	91	89	87	65	66	67	66	239
5	148	143	142	145	84	84	84	87	64	60	59	58	226
6	160	182		239	99	143	168	187	61	40		52	237
7	263	291	325	360	200	236	272	302	63	55	53	58	296
8		437	469	500	339	379	412	429		58	57	71	290
9	523	540	551	559	468	485	492	500	55	55	59	60	280
10		584	595	612	512	522	529	539		61	66	73	324
11	637	660	689	721	555	592	617	649	82	69	72	72	338
12		787	820	852	675	717	753	775		70	67	77	303
13	883		940	968	819	846	878	893	64		63	75	298
14	989	1007	1019	1016	920	946	957	955	69	62	63	62	300
15	995	977	955		941	917	893	875	54	60	62		291
16	898	871	836	801	841	818	783	765	56	53	53	36	269
17	765	729	683	643	725	678	646	608	41	51	37	35	260
18	614		544	511	563	536	510	461	51		34	49	234
19	470	434	414		421	400	367	339	49	34	47		252
20	372	351	329	305	315	306	291	264	57	46	38	40	258
21	283	272	285	270	240	220	239	215	44	52	46	55	285
22	253	242			198	191	186		56	50			261
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 10 SEP 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	197	193	188	184	152	147	144	140	45	46	45	44	230
1	181	178	177	175	137	136	134	131	45	43	44	45	227
2	173	168	163	156	124	117	105	94	48	51	58	62	241
3	146	141	137	130	89	85	82		57	56	55		238
4	124	119	117	115	76	73	71	69	48	46	46	46	295
5	112	110	108	110	67	67	66	68	45	44	42	43	319
6	122	145	176	202	74	89	133	159	48	56	44	42	305
7	235	253	275	289	187	198	214	235	48	55	60	55	268
8	306	325	347	369	253	276	297	309	53	49	49	60	286
9		419	439	458	332	365	387	405		54	52	53	340
10	477	498	524	548	420	432	466	487	57	67	58	61	330
11	.	597	619	638	520	537	547	572		61	72	66	317
12	658	670	683	690	597	612	627	634	60	59	56	56	300
13	695	701	707	715	642	647	651		53	54	56		297
14	722	729	729	718	660	667	665	662	61	62	63	56	274
15	711	706	702	693	660	656	656	651	52	50	47	41	266
16	677	654	629	608	637	608	587	556	39	45	42	52	257
17	586		536	519	543	525	494	477	43		42	41	243
18	501	485	463	443	446	430	419	401	55	54	44	42	248
19	423			374	374	349	326	317	49			57	320
20	362	345	332	317	310	302	294	275	52	43	38	42	265
21	307	298	293	283	259	254	249	236	47	43	44	47	300
22	271	257	241		209	199			62	58			236
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRELATION
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 11 SEP 1975
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	193	190	189	189	145	142	141	140	48	48	48	49	233
1	187	184	179	172	138	137	132	124	49	47	47	48	277
2	164	156	147	139	111	96	88	84	53	60	59	55	195
3	135	131	128	125	82	80	77	76	52	50	51	49	226
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 12 SEP 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	KM.
0													
1													
2													
3													
4													
5													
6								180					
7	273	313	347	378	208	255	294	311	65	58	52	66	[illegible]
8	410	434	458	484	352	374	403		57	60	55		301
9	509	536		593	439	479	503	528	70	57		65	305
10	627	670	706		548	601	637	661	79	69	70		310
11	779	803	818	825	713	730	749	756	66	73	68	68	301
12	833	844	853	858	766	772	777	780	67	72	76	78	[illegible]
13	861	864	870	880	785	787	798	816	76	77	72	64	290
14	897		954		836	858			61				300
15													
16													
17	826	792	760	729	777	746	710	668	49	46	50	60	264
18	702	682	663	647	651	638	618	595	51	44	45	52	279
19	628	613	613	614	572	551	557	559	56	62	56	55	281
20	614	609	600	555	562	558	545	520	52	50	55	35	[illegible]
21	531	499	466	433	489	441		396	43	58		38	254
22	410	374			359	317			51	57			227
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 COMPLETED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 13 SEP 1978

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	197	187	178	173	147	137	129	121	50	50	49	52	205
1	166	159	152	148	107	95	89	87	59	64	63	61	229
2	146	144	140	137	87	85	83	80	60	60	58	56	186
3	130	116	106	101	74	66	56	48	56	51	50	52	205
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 14 SEP 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	257	242		203	196	187	171	150	61	54		53	187
1	194	187	182	177	140	134	130	126	54	53	52	52	180
2	171	163	154	143	119	106	92	84	51	57	62	60	.71
3	130	117	107	102	76	68	59	48	54	49	49	54	189
4	95	93	94	95	41	39	37	36	54	54	57	58	291
5	96	96	96	99	36	36	36	40	60	60	59	59	253
6	110	133	161	196	53	76	94	139	57	57	67	57	175
7	234	264	294	320	175	197	232	258	59	67	62	62	251
8	348	379	408	433	289	309	341	373	59	70	67	60	276
9	460	479	497	521	407	416	426	449	54	63	71	72	294
10	547		585	600	483	503	519	531	64		65	69	300
11	616	633	655	676	540	551	578	605	75	82	77	71	296
12	694	706	711	718	624	640	645	649	70	67	66	69	294
13	725	728				659	662	666		68			
14					669	670	670	670					291
15		730	726	723	666	664	663	661		67	63	61	285
16	719	715	695	669	661	660	649	623	58	55	46	47	262
17	646	616	587	550	598	556	536	502	48	60	50	48	
18	524	494	458	420	472	434	413	365	52	61	45	55	
19		358	339	321	322	306	291	270		52	48	52	238
20	303	287	273	258	251	235	211	198	52	52	62	60	284
21	243	234		202	189	178	161	147	54	56		54	323
22	195	195			137	138			58	57			250
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 15 SEP 1979
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	182	182	179	176	129	129	125	123	53	53	54	53	208
1	175	176	175	173	125	127	126	122	51	49	50	50	[illegible]
2	165	154	143	135	109	90	82		56	64	61		170
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 16 SEP 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	253	242			196		184	174	58				187
1	200	179	162	147	162	131	105	88	38	48	57	59	174
2	134	121	111	104		73	68	60		48	44	44	
3	98	94	90	88	52	46	44	41	46	48	46	47	258
4	87	86	87	87	37	38	37	36	50	48	50	51	297
5	87	87	88	92	38	37	37	39	49	50	51	53	303
6	105	129	159	191	52	76	95	141	53	52	64	50	276
7		250	278	303	171		211	250			67	53	245
8	327	360	381	416	274	302	313	362	53	58	67	54	268
9	447	478	518	550	392	417	445	483	55	61	73	67	308
10	588	615	647	687	524	539	570	609	64	75	77	78	319
11	716		777	809	646	663	702	735	70		75	75	299
12	848	885		948		798	839	870		87		78	
13	978	996	1022	1048	892	903	941	961	86	93	81	87	303
14	1063	1074			984	994	1006	1016	79	80			316
15	1121	1133	1131	1118	1039	1058	1059	1048	82	75	72	70	301
16		1076			1026	1005				70			279
17													
18													
19		618	605	603		547	540	540		71	65	62	
20	597	587		537	535	528	511	481	62	58		56	264
21	518	485	438		449	417	374	331	69	68	64		278
22	369	347			301	290			68	58			246
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 17 SEP 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0		134			85	74				59			71
1													
2													
3													
4													
5													
6													
7								151					
8				336	187	205	229	256				79	150
9					279	300	311	318					194
10				511	350	373	402	419				91	234
11					437								235
12													
13							604	607					
14				653	607	605	599	594				59	245
15	642				588	576	568	552	54				233
16						522	492	449					
17					418	379	333						188
18					291	261	236	204					177
19					189	166	149	138					155
20					127	119	107	101					155
21					94	87							112
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELEC ON CONTENT 18 SEP 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	180	171	159	153	129	119	101	91	51	52	58	62	196
1	146	140	134	126	87	82	77	72	60	59	57	54	169
2	116	108	101	95	66	58	46	39	50	51	55	56	192
3	91	89	87	87	36	35	34	34	55	54	53	53	273
4	88				34				54				313
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19		315	307	307		264	256	255		51	51	51	
20	316	336	353	332	266	293	307	296	51	43	46	36	114
21	323	304	270	243	284	265	226	196	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22					186								53
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

[illegible]
[illegible]

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 15 SEP 1975

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	I.T. KM.
0	417	363	319	288	357		262	232	61		57	56	153
1	265	241		201	199	187	174	146	66	53		54	159
2	180	154	138	125	120	88		73	60	66		52	163
3	114	107	101	97	66	61	53	45	48	46	47	51	208
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 20 SEP 1974

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	236		208	201	154	144	138	130	82		70	71	220
1	188	176	167	157	113	95	86	83	75	82	81	74	206
2	149	141	133	126	77	72	67	59	72	69	66	67	172
3	119	114	109	105	51	45	39	35	68	69	71	70	139
4	103	101			32	30			70	70			296
5													
6													
7													
8				434				367				67	
9	460	483	505	530	391	413	424	445	69	70	81	85	267
10	557	590	621	651	487	516		561	70	73		90	297
11	685	709	731		605	635	648	658	80	74	83		309
12	770	790	803	809	689	713	722	728	82	77	81	81	299
13	815	818	820	820	736	739	738	737	80	79	82	83	305
14	819	820	820	820	737	739	737	738	82	81	83	82	315
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 21 SEP 1979

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. I.M.
0	310	263		184	254	200	162	131	56	63		53	155
1	162	143	131	120	92	82	76	70	70	62	55	50	169
2	114	108	104	102	64	57	52	46	50	51	52	56	275
3	100	97	96	95	42	40	38	36	57	57	58	59	299
4	95	96	96	96	38	38	37	36	57	58	59	59	266
5	97	97	96	97	38	37	37	39	59	59	58	58	267
6	104	127	153	186	49	70	90	133	54	57	64	53	223
7		243	265	284	163	188	201	218		54	65	66	199
8	307	331	354	377	256	278	299	310	51	53	55	67	244
9		417	437	453	328	361	378	393		56	59	60	274
10	473	497	521	548	415	426	441	482	58	72	80	65	319
11		609	641	675	510	537	560	607		72	81	68	311
12	710		766	789	641	658	687	720	70		79	69	297
13	810	828	843	853	742	760	769	773	68	67	74	80	286
14	861	868	876	886	778	782	789	810	83	86	87	76	300
15	891	892	889	881	820	824	824	811	71	68	65	70	294
16	865	849	834		789	777			76	73			287
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 22 SEP 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	278	262	236		213	196	184	163	66	66	51		203
1	204	196	190	186	148	141	136	132	56	55	54	55	213
2	181	171	156	142	124	108	90	81	57	63	66	61	173
3	131	126			75	71			55	55			295
4			116	115			60	59			56	56	
5	116	114	114	117	56	54	53	58	60	60	62	59	282
6	126				68				58				279
7			341	363			275	296			65	67	
8	381	407	426	447	308	327	358	376	72	80	68	71	291
9	469	499	529	551	403	423	442	476	66	76	88	74	323
10	580	607	637	677	501	530	548	596	78	77	89	81	305
11	710		772	800	635	657	686	721	75		86	80	299
12	822	841	861	867	748	766	776	778	74	76	85	88	293
13	877				788				89				291
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 23 SEP 1976
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	I.P. KM.
0	281	281	282	278	203	203	204	199	78	78	78	79	219
1	275	281	273	233	198	202	193	158	76	79	79	74	208
2		207	201	195	142	134	126	118		73	74	77	215
3	186	179	174	170	103	93	89	87	84	86	85	83	211
4	167	165	165	163	85	84	84	82	82	80	81	80	256
5	161	160	160	165	82	81	82	83	79	79	78	82	281
6	177	202	234	266	90	115	147	185	87	87	87	81	224
7	295	325	355	378	206	247	276	299	89	78	79	79	206
8		424	444	467	311	336	363	386		89	81	81	260
9	494	538		602	417	446	487	520	78	92		83	301
10	631	668	712		540	582	626	657	91	87	86		306
11	794	833	862	889	706	747		784	88	85		105	297
12	907	936	958	976	819	840	872		88	95	86		294
13	992	1007	1020	1035	895	909	931	945	97	99	89	90	308
14	1057	1074	1082		970	991	999	1008	87	83	83		325
15	1114	1135	1157	1171	1025	1051	1074	1099	89	84	84	72	305
16	1174	1180	1185	1181	1103	1109	1112	1110	71	72	73	72	300
17	1180	1183	1185	1198	1106	1109		1118	73	75		80	301
18	1204	1208	1208	1207	1116	1121	1121	1121	88	87	87	85	308
19	1212	1218	1240	1254	1126	1142	1167	1188	86	76	73	66	299
20				1209	1205	1206	1201	1136				72	291
21	1158		1019	940	1086	1018	946		73		73		303
22	879	823			801	752			78	71			248
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

CORRECTED FOR
SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 24 SEP 1978
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0			493	440				382				58	
1		368	350	316	337	304	295	265		64	55	52	188
2	295	245	201	175	243		144	118	52		57	58	162
3	156	140	133	126	87		76	71	69		57	55	174
4	122	119	117	115	67	63	60	57	55	56	57	58	263
5	113	113	113	114	55	53	52	54	59	60	61	60	247
6	125				68				57				233
7		278	310	340		208	251	284		71	58	56	
8	372		423	443		330	361	380			62	63	
9	462	486	512	531	407	423	441	466	55	62	70	65	257
10	547		581	597	482	499	521	534	65		60	63	283
11	614	642	663	682	544	569	597	615	69	73	66	67	303
12	699	713	721	732	635	649	654	661	65	64	67	71	319
13					668	670	672	679					300
14	758	756			682	678	672	675	75	78			301
15				734	674	674	671	668				66	284
16	729	716	698	683	662	654	645	629	67	62	54	54	263
17	661	633	599		604	573		516	57	60			243
18	543	504	467	433	479	434	412	372	64	70	55	61	253
19	413		384	383	343	321	316	315	70		69	68	293
20	382	374	363	351	313	309	305	297	68	65	58	54	286
21	343	339	337	333	286	282	278	270	57	57	59	63	273
22	326	315			259	249			67	67			272
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

435

ATS-6:PALEHUA ELECTRON CONTENT 25 SEP 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	271	241		190	206	187	156	132	65	53		58	221
1	171	156	145	133	106	91	83	77	64	65	62	55	221
2	124	118	114	112	72	66	60	57	52	52	54	55	305
3	111	112	113	114	56	55	55	58	55	58	58	56	312
4	116	119	120	121	60	62	62	63	56	57	58	58	316
5	122	124			64	65			58	59			323
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16		691	678	659	639	635	620	602		56	58	57	198
17	640	622	602	585	585	555	542	533	55	67	60	52	176
18		539	504	466	517	484	443	416		55	61	50	171
19	451	460	463	453	399	406	410	404	52	55	53	49	156
20	427		381	370	371	335	324	315	56		57	55	157
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 26 SEP 1975

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0			312	280			239	201			73	79	
1	265	262	264	258	192	192	195	193	73	70	69	65	328
2	241				184	153			57				219
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 27 SEP 1974
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.C. KM.
0	155	144	134	124	89	82	76	72	66	62	57	52	312
1	116	112	109	109	66	61	58	57	50	51	52	52	316
2	109	108	106	104	58	56	54	52	52	53	52	53	322
3	104												
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 28 SEP 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	187	185	177	167	134	132	124	103	53	53	53	63	253
1	154	146	143	141	88	84	84	84	66	62	59	57	278
2	140	137	133	127	82	80		75	58	56		51	269
3	122	120	118	116	73	71	71	71	49	49	47	46	300
4	115	112	111	114	69	67	65	67	46	46	46	48	328
5	120	125	130		70	73	76		50	52	54		302
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 30 SEP 1975

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	119	104	87	77	83	75	62	50	36	30	25	27	179
1	69	63	59	57	40	33	29	27	30	30	29	30	210
2	59				25	23	21	18	34				250
3					17	17	15	15					283
4					15	15	15	16					246
5					16	16	16	20					237
6	63	82			30	53			33	29			224
7													
8			346	377			305	329			40	40	
9	410	445	475	511	373	408	425	454	37	37	49	57	272
10	545	582	618	662	498	532	558	605	47	50	60	58	314
11	698		790	832	646	676	725	764	52		65	67	319
12	877	931	980	1031	816	866	903	959	62	64	78	72	334
13	1077	1130	1165	1209		1058	1096	1128		72	69	80	
14	1253	1288	1312	1328	1175	1214	1233	1250	78	74	79	78	328
15	1333	1331	1325	1302	1259	1261	1260	1236	75	70	65	66	326
16	1283	1250	1215	1164	1223	1192	1161	1114	60	58	54	50	321
17	1119	1079	1038	1002	1072	1034	991	962	47	45	47	40	311
18	972	953	939	935	928	902	890	887	44	51	50	48	287
19	942				877	878	877	877	65				239
20	905	852	790	695	870	819	757	647	35	33	33	48	226
21	612	528	454	415	572	490	413	382	40	38	42	32	283
22	378	342	321		330	301	285		48	41	36		264
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 1 OCT 1978
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	253		200	180		193	180	154			20	26	
1	164	149	140	134	136	113	99	93	28	37	41	41	248
2	131	129	124	119	90	90	87	85	41	39	37	34	289
3	110	103	95	90	80	75	70	65	31	27	24	25	250
4	84	80	78	76	58	52	48	44	26	28	31	32	305
5	76	76	77	82	40	40	40	45	36	37	38	37	238
6	93				54				39				241
7													
8		362		412		309	341	362		54		50	
9	434	454	473	496	386	405	414	427	48	50	58	69	253
10	521	551		602	463	488	514	525	58	63		77	277
11	629	660	693	733	549	584	618	643	80	75	74	91	306
12	777	810	840	869	692	728	745	765	85	82	95	104	305
13	901	933	952	967	809	845	858	867	92	87	94	100	290
14	969	963	945		871	867	862	849	97	96	83		288
15	900	868	828	786	831	804	759	735	68	65	69	51	241
16		686	641	606	687	634	588	543		51	53	63	265
17		551	524	508	529	502	476	457		48	48	51	279
18	487	463	442	418	430	418	404	375	57	46	38	44	257
19		382	357	337	359	326		299		56		38	254
20	317	303	290	280	276	259	247	238	41	43	43	42	283
21	271	262	257	257	224	214	210	212	47	48	47	45	266
22	250	246			206	201	191		44	38			262
23								208					

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 2 OCT 197?
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	..T KM.
0	126	117	106	100		80	74	67		37	33	33	
1	93	88	85	82	59	54	50	47	33	34	35	35	282
2	80	79	79	79	46	45	44	43	35	34	35	36	287
3	79	78	78	77	43	41	39	38	37	37	39	39	289
4	76	75	75	76	36	35	34	34	40	40	41	42	293
5	77	78	78	83	33	32	32	35	44	46	46	48	264
6	96	121	157	193	47	74	99	145	49	47	58	48	246
7	233	264	293	314	184	204	236	258	48	60	57	56	244
8	343	378	412	449	292	308	345	388	51	69	66	60	261
9	493	541	586	639	418	467	513	546	75	74	73	93	285
10	694		793	840	603	642	698	739	90		95	101	293
11	894	942	989	1031	791	841	870	922	103	101	119	109	294
12	1059	1075			950	960	967	974	109	114			296
13	1122	1141	1149	1152	1003	1023	1030	1034	119	117	119	118	310
14	1147	1131	1115		1034	1022	1005	986	113	108	110		304
15	1078	1057	1039	1015	978	968	954	933	100	89	85	82	291
16	996	964	932		915	877			80	87			276
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 3 OCT 1978
10**15 E/M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	234			205	196	191	182	174	38			31	245
1	196	184	173	163	161	148	137	125	35	36	35	38	218
2	151	139	129	117	104	92	85	80	47	48	44	37	162
3	109	102	97	93	75	71	66	58	34	31	31	35	246
4	87	84	82	80	51	47	44	41	36	37	38	39	300
5	80	82	83	86	40	38	38	40	41	44	45	46	263
6	96	115	149	189	52	73	93	146	44	42	56	43	373
7	233	275	319	363	187	221	269	309	46	53	50	54	232
8	409	452	476	511	358	399	414	447	51	53	62	69	239
9	541		616	654	477	512	538	583	64		78	71	256
10	698	731	780	820	624	651	695	735	75	81	85	85	267
11	875		951	989	791	827	848	878	85		103	111	276
12	1022	1050	1072		917	948		976	105	102			294
13	1122	1135	1141	1137	1012	1027	1031	1029	110	108	110	108	305
14	1123		1073	1044	1025	998	974	953	98		99	86	293
15	1010	972		894	926	880	854	815	85	92		79	286
16	857	812	777		781	752	715	682	76	60	62		265
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E M**2 4 OCT 1974

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	501			446	461	481	465	417	40			29	
1	382	351	293	257	329	296	256	208	54	55	37	49	
2	234	208	191	173	189	168	146	123	45	39	45	49	256
3	158	147	139	137	98	90	85		60	58	55		243
4	135	134	135	138									
5	143	150	159	174	85	88	92		58	63	67		
6													
7		359		438		294	321	369		66		68	
8	460	480	501	520	400	413	425	447	60	66	77	73	233
9	533	554		585	461	483	500	513	72	71		72	239
10	608	638	681	711	525	562	602	628	83	76	79	83	259
11		776	802	830	651	690	718	738		86	85	92	266
12	854	873	895	904	753	771	801	815	101	102	94	90	286
13					822	835	835	827					271
14		902	882	856	824	814	800	769		88	82	86	269
15	829	794		707		727	691	636		67		71	
16	659	623			599	550			59	72			241
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 7 OCT 1979

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	198	208	196	184	162	155	147	137	36	53	49	47	214
1	172	160	145	134	117	98	88	81	54	62	57	52	198
2	121	111	104	98	76	69	61	54	45	42	42	43	197
3	93	90	88	87	47	42	39	38	46	48	49	49	276
4	86	86	86	86	36	36	36	36	50	50	50	50	270
5	86	87	88	90	34	34	33	35	52	53	55	55	255
6	100	117			45	70			54	47			226
7				316				262				55	
8	337	350	382	418	285	298	316	357	52	60	66	62	210
9	448	486	531		388	415	465	506	59	71	66		
10	617	665	713	767	532	585	630	681	85	80	83	87	250
11	805	843	885	907	722	748	795	816	83	95	90	91	252
12		935	949	962	830	843	851	856		92	98	105	250
13	976	992	1000	998	867	888	900	898	110	104	100	100	254
14	993	988	976	964	893	884	875	867	100	104	102	97	259
15	948		902	877	862	850	823	801	86		79	76	297
16	848	817	786	756	769	750	717	686	79	67	69	69	288
17	724	694	661	621	652	637	601	550	71	57	60	71	271
18		532	496	457	528	475	428	409		57	68	48	288
19	433	415		377	381	363	330	315	52	51		62	286
20	358	338	315	297	307	293	263	246	51	44	53	51	274
21	281	268	259	254	219	207	202	200	62	61	57	54	282
22	254	253	247		202	202			52	51			228
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT [illegible] DEC. 197[illegible]
10**19 E M**3

	TOTAL				FARADAY				PLASMASPHERE				[illegible]
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	135	118	105	99	82	70	56	46	53	48	50	53	176
1	93	90	87	85	39	34	33	31	54	55	54	54	275
2	85	85	85	86	30	30	30	31	55	55	[illegible]	[illegible]	[illegible]
3	88	86	87	86	31	31	31	30	57	57	[illegible]	[illegible]	[illegible]
4	86	87	89	90	30	31	31	32	56	56	58	57	277
5	90	90	92	95	32	32	32	34	58	58	60	60	257
6	104				43				61				283
7			273	306			202	243			71	82	
8	334	362		418	272	296	310	350	61	66		69	218
9	444	469	497	522	373	401	415	436	71	68	82	87	231
10	555	583	613	650	473	506	525	563	82	77	88	87	263
11	675	694	714	729	588	613	627	634	87	81	87	95	248
12	730	728			638	640	638	640	93	88			292
13	763	765	774	783	649	673	684	692	113	93	90	91	296
14	795	804	806	804	705	718	718	718	90	87	89	86	290
15	797	782	766		714	703	690	660	83	79	77		279
16	724	700	679	653	647	636	611	583	77	64	68	70	273
17	628	601	582	555	549		521	489	80		61	66	285
18	533	506	474	445	470	432	415	388	63	74	59	57	257
19	423	408			368	342	330	323	56	66			256
20	382	373	366	353	321	315	311	303	61	58	55	50	269
21	339	324	309	313	288	267	253	258	51	57	55	56	295
22	297	281	263		243	220	203		54	62	60		238
23			184	174			131	113			53	60	

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 9 OCT 1975

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	165	156	149	142	100	92	86	82	65	64	63	61	194
1	138	134	129	127	79	77	75	73	58	56	54	54	271
2	126	126	125	123	71	72	72	71	55	54	53	52	292
3	121	120	120	118	69	68	67	67	52	52	53	51	327
4	117	114			64	60			53	54			359
5													
6													
7													
8													
9				319			218	250				69	
10	355		435	469	289	311	361	394	66		74	75	132
11	494	532	553			441	469	487		92	83		
12	602	619	640	665	511	520	530	557	91	99	110	109	191
13	695	726			585	618	637		111	108			207
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEMJA ELECTRON CONTENT 10 [illegible]
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	335	310	278	256	289	259	218	200	46	51	60	56	[illegible]
1	234		198	179	186	165	146	127	48		52	52	210
2	165	153	143	138	103	89	86		62	64	57		175
3	133	129	124	119	79	77	74	71	53	52	50	48	230
4	117	117	118	118	69	68	69	69	48	49	49	49	310
5													
6													
7	251	292	329	365		227	268	301		65	61	64	
8	408	447	483	525	336	380	413	451	72	67	70	75	234
9	556	594	632	676	486	517	539	593	71	77	94	83	248
10	723	771	810	839	633	681	726		89	90	84		241
11	862	890	903	902	757	794	808	803	105	96	96	99	266
12	895	900	903		797	802	806	821	98	98	97		294
13	943	971	990		845	861	875		98	109	115		299
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 11 OCT 1[illegible]
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	20	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0													
1													
2													
3													
4													
5													
6		138	165	208			92	146			73	63	
7	253	295	335	375	187	217	267	303	66	78	68	71	[illegible]
8	412	444	469		335	369	399		77	75	70		208
9													
10		729	782	823		633	690	726		96	92	97	
11	857	907	940	975	747	800	838	860	110	108	103	115	272
12	1019	1044			906	924			113	121			321
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23							-26						

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:RALEIGH ELECTRON CONTENT 12 OCT 75.3
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	184	157	139	128	133	101		73	51	56		55	186
1	118	109	102	96	60	50	41	36	58	59	60	59	199
2	92	90	88	87	33	32	31	31	59	58	57	56	331
3	86	85	84	82	29	30	28	27	57	55	56	56	365
4	81	81	83	84	25	25	28	29	56	56	55	55	273
5													
6													
7				428									
8	473	530		619	407	450	495	527	71	80		92	240
9	665	705		796	578	621	642	701	87	85		95	244
10	837	902	968	1038	738	800	847	923	99	101	120	114	272
11		1126	1146	1176	969	1007	1024	1043		119	123	133	303
12	1204	1233		1315	1070	1086	1136	1170	134	147		145	344
13	1346	1388	1416	1434	1196	1242	1264	1286	150	146	152	148	351
14		1467	1494	1496	1305	1320	1352	1364		147	142	132	338
15	1480		1398	1340	1348	1317	1277	1210	131		121	130	346
16	1290	1251	1209	1182	1192	1145	1102	1083	98	107	107	100	354
17	1147	1116	1080	1045	1054	1018	991	965	94	99	89	80	337
18	1011	973	944	910	933	890	873	842	79	83	72	68	313
19	894	877	863	854	830	818	804	794	63	60	58	60	290
20	836	803	772	713	779	762	720	663	57	42	52	50	296
21	667	625	582	548	623	569	535	495	45	57	47	53	288
22	519	483	453	426	466	434	417	380	52	49	36	47	238
23		361	337	312	350	317	294	261		44	42	51	221

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

450

ATS-6:PALEHUA ELECTRON CONTENT
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	PM.
0	289	264	244	235	243	207	193	184	46	57	51	50	238
1	229		196	173	176	162	148	121	53		48	52	220
2	152	136	120	110	93	79	67	56	60	56	53	54	111
3	104	101	97	95	47	41	38	38	56	60	59	57	110
4	95	95	96	98	36	36	36	35	59	59	60	62	290
5													
6			168										
7	258	320	372	438		255	304	364		65	68	74	
8	486	546	592	644	413	470	513	549	72	76	79	95	418
9	713	778	843		624	683	740	812	89	96	104		268
10	1000	1069	1138	1187	887	952	1012	1058	113	116	125	130	278
11	1239	1289	1312	1325	1092	1147	1168	1181	147	143	143	145	333
12	1327	1334	1352	1365	1185		1197	1205	142		154	161	335
13	1372	1379	1385	1386	1218	1232	1243	1246	154	146	141	140	332
14	1362	1346	1321	1292	1221	1208		1168	141	138		124	333
15	1252	1206	1165	1120	1146	1094	1058	1015	106	112	107	105	362
16	1080	1046	1018	972		958	928	880		88	90	92	
17	941		890	868	863	831	806	777	78		84	91	314
18	840	821	802	783	767	748	724	709	73	73	78	74	305
19	769	755		731	701	676	669	661	69	79		70	272
20	715	682	658	622	654	618	601	554	61	64	57	68	267
21	589	554	521	492	538	496	472	432	61	58	50	61	384
22	454	424	385	361	406	381	335	306	49	43	50	55	234
23	327	300	277	255	280	252	221	202	47	48	56	53	193

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR SAT. LATITUDE
-91 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 14 OCT 1975
10**15 E/M**2

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	232		200	175	183	165	147	118	49		53	57	179
1	149	127	109	99	87	72	58	44	62	55	52	54	141
2	92	88	85	83	37	34	32	33	55	54	53	50	3.5
3	82	81	82	83	32	32	31	32	50	50	51	52	440
4	85	86	87	89	31	32	32	32	54	54	55	57	359
5	92	96	96	100	33	32	33	36	59	63	63	65	328
6	105	138	170		45	70	95	149	60	67	75		301
7	264	324	370	430		248	298	352		76	72	78	
8													
9			666	701			577	610			89	91	
10		797	833	873	639	694	733	753		103	99	120	265
11		941	971	1007	806	839	855	886		102	115	120	285
12	1029	1043	1054	1057	914	926	935	939	115	118	120	118	302
13	1063	1064	1072	1071	948	949	958	958	115	115	114	113	309
14	1062	1046	1020	991	957	937	916	881	105	109	104	110	304
15	962	932	894	867	864	836	805	764	97	95	89	103	315
16	836	810	790	774	752	725	704	685	85	85	86	89	312
17	756		721	701	661	652	643	631	94		78	70	301
18	688	671	655	635	616	602	585	552	71	69	70	83	276
19	627	621	620	607	550	546	545	538	78	75	74	69	291
20	597	582	552	515	533	520	486	436	64	62	66	79	287
21	477	451	430	411	415	384	371	341	62	68	59	69	262
22		362	339	313	319	305	278	254		57	61	59	213
23	297	278	262	242	231	209		184	66	68		57	206

4.860E .4 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6 PALEMBA — ELECTRON CONTENT 10**15 E/M**3 — [illegible]

	TOTAL				FARADAY				PLASMASPHERE				I.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0			198	177	169	154	138	108			60	70	130
1	158	145	134	125	88	82	75	68	70	64	59	57	196
2	118	111	106	104	60	53	46	41	58	59	61	63	259
3	100	97	94	92	37	35	33	31	62	62	61	61	319
4	90	89	89	88	29	27	26	25	61	62	63	63	390
5	88	88	89	91	24	24	24	26	64	64	65	65	399
6	103	128	162	206	34	61	83	141	69	67	79	65	255
7	254	312	363		184	238	292		70	74	71		218
8													
9		297	344	380		230	272	304		67	72	75	
10	434	478	524		356	398	432	481	78	80	92		137
11	604	644	687	723	516	542	583	624	88	102	104	99	173
12	755	797	833	855	644	690	718	742	111	107	114	113	213
13	870	893	902	889	756	772	789	772	114	121	113	117	228
14	869	844	814	770	760	745	712	680	109	99	102	90	229
15	729	695	659	622		613	580	536		83	79	86	
16	588	560	534	510	518	487	462	431	69	73	72	79	169
17	482	454	434	409	419	397	374	335	63	58	60	74	169
18	379	354	334	321	315	295	272	262	64	59	62	59	146
19	323	345	375	424	264	291	320	372	59	54	55	53	115
20	454	474	471	453	406	427	425	411	48	47	46	42	101
21	429		366	346	378	339		299	51				
22	332	308	278	238	288	265	231	196	43	43	47	42	146
23	203	171	142	114	159	129	93	77	44	42	49	37	78

4.860E 14 CONTENT PER DEGREE — 6.250E 14 — CORRECTED FOR SAT. LATITUDE

-91 ZERO CONTENT ANGLE — 49

ATS-6:PALEHUA ELECTRON CONTENT 1[illegible]
10**15 E M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	MM.
0	440	411	376	345	396	366	321	302	44	45	54	43	193
1	315	282	246	206	268	235		162	48	48		44	186
2	174	150	126	111	119	89	77	62	55	61	49	49	225
3	100	91	86	83	46	38	33	31	53	53	53	52	221
4	81	79			27	25			54	54			270
5													
6				196				131				64	
7	242	289	339	375	180	209	268	305	62	80	71	69	169
8	418	451	478	507	347	377	407	424	71	74	71	83	193
9	535		593	630	457	483	514	538	78		80	92	238
10	677	718	769	795	584	625	669	699	93	93	100	96	262
11	823	848	880		727	749	779	811	96	99	101		272
12	938	957	973	988	835	852	860	865	103	105	113	123	322
13	1007	1017	1037	1046	890	909	924	934	116	108	112	113	324
14	1047	1047	1039	1032	938	942	936	930	109	106	103	102	320
15	1024	1001	972	937	932	911	877	854	92	90	95	83	288
16	898	851	809	779	818	765	740	701	80	86	69	78	320
17		728	710	689	667	654	643	618		74	67	70	314
18	667	638	620	602	601	571	549		66	67	71		292
19	590	586	582	589	533	528	525	534	56	57	57	54	289
20	610	647	675	691	551	592	620	642	59	55	55	48	268
21	689	674	640	630	641	617	593	585	48	57	47	46	278
22	609	581	556	521	558	538	516	483	51	43	41	38	228
23	487	435		333	435	399	338	292	52	36		41	208

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT IONOSPHERE

10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	394	296			243	201	170	142	152	95			194
1					106	86	75	66					[illegible]
2	209	195	185	172	60	53	48	43	150	142	[illegible]	[illegible]	[illegible]
3	159	145	133	123	37	33	30	26	122	112	102	97	246
4	119	121	119	117	24	23	23	23	95	98	96	94	360
5	119	124	128	137	23	24	25	28	96	100	103	109	344
6	162				35	55	83	129	127				283
7	249	349			170	199	254	290	79	150			187
8		490			312	370	401	430		121			197
9		652			478	518	570	609		134			248
10		817			638	688	717			129			261
11			837					799					
12		994	1088		850	888	1039	1057		106	50		288
13					1084	1097	1114	1106					[illegible]
14					1102	1097	1094						332
15		1063	957		968	940	891	860		123	65		303
16				903	838	827	807	785				118	305
17	842	774			765	741	719	696	77	33			[illegible]
18		711	602		660	627	585			84	17		237
19			568	492	504	486	468	434			[illegible]	[illegible]	[illegible]
20				363	390	333	293	273				90	233
21	383	386	382	338	287	294	293	274	97	93	89	64	230
22	278				254	220	202	185	23				[illegible]
23					168	153	144	135					205

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTION FOR

-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

Miami:PALEHUA — ELECTRON CONTENT 10**15 E/M**3 — [illegible]

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	/M.
0	282	275	263	253	237	228	213	205	45	47	50	49	[illegible]
1	243	230				190	181	171		40			
2	205	199	194	188	160	152	147	143	45	47	47	45	[illegible]
3	185	184	184	186	140	140	140	142	45	44	44	44	[illegible]
4	189				144				45				270
5													
6													
7													
8													
9													
10		766	803	835	691	727	751	794		39	52	41	[illegible]
11	874	899		934	831	849	857	867	43	50		67	[illegible]
12	961	1000	1036	1067	901	929	965	984	59	71	71	83	302
13		1300	1325	1346	1032	1162	1191	1207		138	134	138	303
14	1358	1354	1335	1308	1227	1225	1212	1195	132	130	123	113	338
15		1218	1161		1170	1107	1069	997		111	92		335
16	1044	997	944	891	966	917		818	79	80		73	328
17	837	791		694	767	728	676	644	71	62		51	300
18	651	585	532	471	594	533	468	418	57	52	64	53	262
19	430	406	381	364	374	349	321	311	56	57	60	53	270
20	349	333	316	304	297	274	260	248	52	59	57	56	[illegible]
21	293	288			231	224	243		63	65			296
22													
23			366	369									

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 19 OCT 1975
10°x15° E 11x3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0	360	347	334	320		305	296	281		43	37	40	
1	302	277	240	201	257	227		159	45	49		42	[illegible]
2	170	144	125	113	123	88	77	69	47	57	48	44	317
3	107	104	103	104	61	58	56	56	46	46	47	47	324
4	103				54				49				301
5													
6								171					
7	278	341		454	206	276	324	393	71	64		62	282
8	505	551	603	649	425	479		580	80	72		69	217
9	703	766	825	905	623	675	739	811	80	91	86	94	251
10	993	1052	1118	1196	870	953	1017	1080	123	100	101	116	276
11	1305	1388	1461	1541	1175	1260	1309	1397	129	128	152	144	309
12		1690	1778	1845	1473	1527	1601	1664		163	177	181	378
13	1924		1996	2013	1738	1778	1808	1820	186		188	192	410
14	2015	1994	1953	1915	1832	1821	1776	1749	183	173	177	166	475
15	1884	1851		1764	1724	1701	1657	1628	161	151		136	412
16	1729	1685	1642	1596	1606	1560	1534	1492	123	125	108	103	384
17	1538	1483	1415	1340		1395	1333	1264		88	82	76	
18		1199	1119	1041	1213	1127	1057	988		72	63	54	311
19	982	940	908	890	926	886	861	836	57	54	48	54	[illegible]
20	874	849	825	781	828	797	774	741	47	52	50	40	293
21		689	650	608	692	651	612	557		38	38	51	245
22		527	486	440	534	493	444	404		35	42	36	[illegible]
23		341	309	278	351	307	269	230		34	40	49	210

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTION FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 20
10**15 E M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	e.i. KM.
0	258	241	230				189	176			41		
1	199	185	173	163	155	142	127	107	44	43	46	55	235
2	150	139	128	118	93	87		76	57	51		42	175
3	107	100	93	89	66	58	49	41	41	42	44	48	200
4	85	82	79	79	36	34	32	31	49	48	47	48	258
5													
6			139	185			84	128			55	57	
7		282	330	370	175	211	264	306		72	66	64	203
8	423	469	517		357	401	458	500	67	68	59		234
9	610	664	701	756	530	587	627	678	80	77	75	78	227
10	793	821	851	889	713	737	753	794	79	84	98	95	256
11		953	1008	1042	829	855	907	936		98	101	107	289
12	1068		1114	1120	964	978	1003	1009	104		111	111	290
13	1105	1115	1113	1112				1006				107	
14		1073	1039	1002	1000	979	955	918		94	84	84	290
15	956		871	822	874	842	796	751	82		75	71	301
16	778	755	729	716	714	677	652		64	77	76		315
17	710	695	682	660	648	640	628	603	62	56	54	58	291
18	633	609	587	559	577	548	535	506	56	60	51	53	267
19	538	520	512	515	480	463	451	458	58	56	61	56	282
20	523	531	525	513	473	484	480	459	51	48	46	55	310
21	497	475	450	431	443	426	412	389	55	49	38	42	344
22	417		370	341	372	342	322	302	46		48	38	226
23	315	284	249		273	244	202	177	42	40	47		228

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 21 Oct 1975
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	MM.
0	190	169	151	138	149	126	96	86	41	43	55	51	219
1	127	113	108	106	78	71	66	63	49	42	42	44	218
2	104	102	98	97	59	55	49	47	46	47	48	50	230
3	96	95	95	95	46	45	44	44	50	50	50	51	229
4	94	92	88	85	42	39	35	32	52	53	53	53	248
5	83	82	83	87	29	28	28	29	54	54	55	58	337
6													
7				411				348				62	
8	455	512	558	610	394	432	487	528	61	80	72	82	240
9	667	716	773	837	589		687		79		86		272
10	902	956	1039	1078	802	851	919	967	99	105	120	112	284
11	1129	1180	1221		1009	1062	1094	1140	120	118	127		292
12	1301	1311	1302	1290	1180	1188	1181	1171	121	123	121	119	314
13	1284	1282	1280		1165	1160	1154	1146	119	122	126		333
14		1257	1221	1180	1154	1150	1112	1081		108	110	99	330
15	1142		1043	1006	1046	995	962	920	96		81	86	
16	973	934	901	872	884	860	828	794	90	74	72	78	308
17	833	804	777			750	713	670		54	64		
18	697	668	635	592	642	612	580	537	56	56	55	56	292
19		555	546	545	514	497	487	488		58	59	57	291
20	543	539	524	504	488	487	472	445	55	52	52	59	291
21	480	471	452	433	431	427	413	385	49	44	40	48	244
22	409	384	368	351	369	335	318	307	40	49	50	45	288
23	341	339	336	338	300	298	298	300	41	40	38	38	79

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 23 OCT 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	337	326	314	304	298	288	272	260	39	38	42	44	289
1	293	282	268	254	249	232	212	203	44	50	56	51	243
2	242	231		195		188	172	152		43		43	
3	177	159	140	127	134	108	91		43	51	50		237
4	117	105	100	94	74	64	54	43	43	42	46	51	275
5	90	88	90	93	38	37	36	38	52	51	54	54	255
6	104	123	156	200	49	73	91	140	55	50	65	59	259
7	254	311	373	433	189	247			65	64			219
8													
9		709	765	815	595	628	682	732		81	[illegible]	[illegible]	[illegible]
10	872		980	1032	779	833	866	927	94		114	105	261
11	1080	1123	1158	1195	971	1019	1051	1078	109	104	108	117	278
12	1231	1257	1286	1308	1114	1138	1171		117	119	116		307
13	1325	1330	1317	1303	1206	1208	1203		120	123	114		320
14	1294		1252	1222	1194	1173	1152	1126	101		100	96	329
15	1190	1163	1135	1108	1097	1080	1054	1032	93	83	81	75	326
16		1055	1029	998	1001		967	940			62	58	305
17	939	903	856	814	881	854	802	762	59	49	53	52	295
18	768	724	680	649	725	667	636	608	43	57	44	41	280
19	610		543	513	559	535	497	454	51		46	59	267
20	484	464	454	451		416	404	404		48	50	47	
21	452	448	444	414	410	404	407	381	42	43	37	33	224
22	385	356	332	318	340		293	275	46		39	43	207
23	290	267	242		251	213		185	39	54			201

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

CORRECTED FOR
SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 29 OCT 1974

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	208	189	176	162	164	145	122	101	44	44	55	61	211
1	151	143	139	133	91	87	86		60	56	53		195
2	129	122	116	109	79	75	71	66	50	47	45	43	211
3	104	100	97	94	59	54	51	47	44	46	46	47	227
4	92	90	88		43	41	38		49	49	50		241
5													
6													
7													
8													
9							733	790					
10				1004	846			912				91	272
11	1012	1016	1011	1005	920	922	917	912	92	95	94	92	270
12	1012	1012	1020	1019	919	917	924	925	93	95	97	94	260
13	1022	1025	1021	1017	931	936	931	927	91	89	90	90	329
14	1002	975	939		922	874	856	841	80	101	81		304
15	897	872	842	810	821	799	765	746	75	73	78	64	271
16	786	756	723	690	725	689	651	634	61	67	72	55	253
17	660	632	596		598	563		521	62	69			230
18					512	502	502	504					223
19					504	488	433	405					267
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 24 OCT 1979

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0													
1													
2													
3													
4													
5													
6													
7		288	328	369		201	255	296		87	73	73	
8	412	453	485	526	325	369	404	432	86	84	81	94	313
9		620	680	730	495	524	588	633		96	92	97	361
10	786	844	932	990	692	745	816	876	94	99	116	114	355
11	1061	1120	1178	1237	958	996	1062	1111	103	124	116	126	277
12	1288	1330	1368	1385	1175	1195	1238	1253	114	135	130	132	312
13	1403	1410	1420	1424	1279	1287	1297	1301	124	123	123	123	336
14	1423	1411	1392	1369	1308	1301	1285	1257	115	110	107	112	335
15	1354	1303		1235	1253		1181	1142	101			93	329
16	1183	1139		1056	1103	1072	1005	984	81	67		72	319
17	1019	980	945	902	948	906	876	835	71	74	70	66	305
18	865	806	774		787	753	708	680	77	53	66		279
19	718	696	672	638	661	644	614	584	57	53	58	54	247
20	598	550	498	454		490	437	409		60	61	46	
21	416	373	342	314	357	315	292	256	59	57	49	58	217
22	277	248		199	217	194	161	134	60	54		65	207
23	179	166	158	151	110	93	87		70	73	70		206

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 25 [illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	147	144	140	137	82	80	77	75	65	64	63	62	311
1	134	129	122	115	72	68	61	53	61	61	61	62	228
2	111	107	104	103	48	44	40	37	63	63	64	66	197
3	100				34				65				215
4													
5	91	91	94	96	28	28	30	33	63	63	64	62	276
6	105	131	164	208	44	69	85	141	61	62	78	68	221
7	249	298	342	382	184	218	267	304	65	80	75	79	214
8	436	491	541		356	407	455		80	84	86		258
9													
10	682		995	1054		813	866	933			129	121	
11		1155	1196	1232	977	1032	1069	1089		123	127	143	298
12		1298	1318	1339	1141	1167	1184	1197		131	133	142	318
13	1354	1362	1367	1360	1216	1220	1229	1224	138	142	139	137	336
14	1338	1326	1306	1284	1209	1204	1194	1170	129	122	112	114	329
15	1259	1236	1199	1157	1156	1133	1098	1063	103	103	101	94	327
16	1118	1079	1047	1000	1033	992	972	924	85	88	75	75	307
17	953		881	839	880	854	812	767	73		69	72	303
18	805	764	731	694	746	698	664	642	59	65	68	52	257
19	658	625	596	581	604	560	539	525	54	65	58	56	262
20	551	510	488	463	491	451	422	412	60	59	57	51	251
21	433		368	342	380	339	311	291	53		57	51	233
22	316	296	274	249	261	241	209	193	56	55	65	56	261
23	236				182	174	168	160	54				211

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E-M**3 26 OCT 1979

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.P. KM.
0	206	197	181	171	147	132	108	92	59	65	73	79	184
1	160	148	140	134	85	81	76	72	75	67	64	62	193
2	128	124	123	120	68	66	63	58	60	58	60	62	205
3	119	118			56	54			64	64			251
4													
5													
6													
7													
8		558	605	647		462	516	543		97	89	103	
9	686	715		759	587	622	633	644	98	93		114	244
10	790	842	886	945	688	734	767	836	102	108	119	109	261
11	1000	1046		1154	873	928	964	1022	127	119		132	277
12													
13													
14													
15													
16													
17													
18													
19													
20													
21				559				497				62	
22	521	492	468	442	462		417	388	59		51	54	257
23	424			384	363	333	322	320	61			64	287

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO. CONTENT ANGLE 49 SAT. LATITUDE

ATS 6:PALEHUA ELECTRON CONTENT
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0	380	373	358	339	316		301	279	64		57	60	[illegible]
1	327	324	320	315	262	258	255	253	65	66	65	6[illegible]	[illegible]
2	306	294	279	263	239	219	202	193	66	75	78	70	277
3	246	238	232		183	178	170	158	63	59	62		296
4		204	197	190	146	134	124	111		70	73	79	314
5	185	183	185	194	101	98	102	114	84	86	83	80	269
6	207				135				71				281
7			543	613									
8	687	759	833	892			733	788			101	104	
9	959	1012	1059		849	906	953	982	110	106	[illegible]		[illegible]
10	1159	1192	1222	1256	1042	1072	1104	1136	117	120	119	120	270
11		1289	1302	1307	1152	1172	1181	1184		117	121	123	295
12	1301	1311	1323	1331	1185	1189	1197	1205	116	121	126	126	315
13	1329	1321	1314	1306	1206	1202	1200		123	119	114		[illegible]
14	1288		1251	1244	1191	1178	1156	1149	98		96	95	303
15	1213	1182	1136	1081	1134	1099	1072	1008	78	83	64	73	234
16		946	896	832		880	836	766		66	59	66	
17	771	725	672	627	709	660	615	569	62	64	57	57	[illegible]
18	585	553	522	508	529	492	464	441	56	61	58	67	[illegible]
19	487	472	461	451		422	412	394		50	49	56	
20	441	428	421	421	381	366	360	367	60	62	62	54	[illegible]
21	440	433	424	413	387	374	364	362	53	59	60	51	316
22	409	382	369	351	359	322		302	50	60		47	294
23	328	308	298	287	272	256	248	234	56	51	50	53	286

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ELECTRON CONTENT
10**15 E/M**3

	FARADAY								PLASMAPAUSE				
			30	45	00	15	30	45	00	15	30	45	PM.
		[illegible]	206	171	208	195	167	115	58	46	39	55	178
	[illegible]	115	113	105	85	78	70	62	56	47	42	43	196
	[illegible]	[illegible]	92	90	54	47	44	42	40	40	40	[illegible]	[illegible]
	[illegible]	[illegible]	95	91	43	45	44	39	49	[illegible]	[illegible]	[illegible]	[illegible]
*	[illegible]	84	83	81	34	31	28	26	53	53	55	55	224
*	81	83	86	88	25	23	27	31	56	57	59	57	233
6	103	127			41	68			62	59			205
7													
8			547	582			474	513			73	69	
9	608	641	672	694	527	560	592	621	81	81	80	73	212
10	726	761	796	843	636	675	710	748	90	86	86	95	238
11	875		950	979	785	829		876	90			103	239
12	1008	1030	1056	1074	914	934	962	972	94	96	94	102	296
13		1112	1126	1136	992	1009	1024	1033		104	102	103	307
14	1145	1148	1161	1159	1046	1056	1074	1064	98	92	87	95	319
15	1154	1155	1132	1126	1072	1083	1053	1047	82	72	79	79	307
16	1110		1069	1035	1040	1014	997	979	69		72	55	294
17	1023	1006	966	936	976	955	913		47	51	52		279
18		893	866	861	874	850	820	813		43	45	47	270
19	862	891	903		818	853	875	884	43	38	27		274
20	939	932	894	870	893	884	845	826	46	47	49	44	280
21	838	788	755	699	802	753	716	662	36	34	38	38	233
22	650	586	518	446	620	544	478		30	41	39		205
23		345	299	268	345	303	257	211		41	42	51	174

4.860E 14 CONTENT PER DEGREE 6.250E 14
-91 ZERO CONTENT ANGLE 49

CORRECTED FOR
SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 29 OCT 1978
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	246		206	187	195	180	153	134	51		52	53	186
1	167	151	136	126	104	88	81	74	62	63	55	52	168
2	118	111	105	102	68	60	53	47	50	51	52	54	162
3	97	95	93	90	43	40	37	35	54	55	56	55	176
4	87	85	83	80	31	28	27	27	56	57	56	53	195
5	78	78	80	86	26	26	28	30	52	52	52	56	299
6	96	120	159	208	37	61	90	146	59	59	69	63	294
7	265	329		466	194	260		396	71	69		70	237
8	521		630	678	443	500	540	595	78		91	82	223
9	729	787	836	890	636	691	740	798	92	96	96	92	260
10	954	1004	1059		850	904	950	974	104	99	109		266
11	1144				1022				121				289
12			1340	1357			1209	1234			131	123	
13	1371	1379	1375	1354	1255	1261	1257	1242	116	118	118	113	329
14	1331	1326	1322	1330	1215	1210	1210	1216	116	116	112	114	323
15	1311	1290	1253	1214	1215	1204	1174	1119	96	86	80	94	323
16	1160	1132	1109	1070	1094	1067	1040	995	66	65	68	74	321
17	1028	1000	970	940	980	942	906		47	58	64		315
18		905	882	854	877	864	834	808		42	48	45	298
19	818	789		711		750	703	660		39		51	
20	681	652	628	608	634	604	585	561	47	48	44	47	298
21	594		548	525	552	539	516	492	42		32	34	219
22	492	451	408	371	450	421	376	332	43	30	32	39	212
23	328	287	243		302	247	203	187	26	40	40		198

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS 6:PALEHUA ELECTRON CONTENT 30 OCT 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. HR.
0	200	187	168	150	163	144	129	98	36	43	39	52	192
1	138	130	125	124	86	81	75	73	52	49	50	51	305
2	123	126	134	137	71	74	79		52	52	55		291
3	136	135	134	133		79	80	79		56	53	54	
4	130	127	126	131	75	72	72	76	55	55	54	55	294
5	139												
6													
7			538	606									
8	667		985	1055		859	927	981			58	75	
9	1148	1246	1349		1070	1172		1364	78	73			358
10	1505	1535	1540	1546	1416	1453	1454	1457	89	82	86	89	363
11	1560	1576	1606	1651	1463	1479	1504	1533	97	97	102	118	398
12	1696	1736	1753	1749	1589		1647	1655	107		106	94	407
13	1732	1704	1653		1651	1629		1314	81	75			399
14	1401	1345	1285	1220	1295	1245	1189	1143	106	99	96	78	321
15	1155	1110	1062	1007	1088	1036	988	941	67	73	74	66	336
16	972	941	899	867	902		840	806	71		59	61	294
17	833	808	781		781	763	727	690	53	46	54		284
18	694	641	608		647	597	559	523	47	44	49		260
19	522	484	452	421	489	440	406	378	33	44	46	43	211
20		377	359	340	364	333	316	301		44	43	39	263
21	318	298	282	270	278	261	250	233	40	37	33	37	249
22	254	232	205	182	208	193	167	145	46	39	38	37	218
23	165	152	140	131	127	106	91	86	37	46	49	45	225

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT [illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	20	45	00	15	30	45	MN.
0	126	119	113	107	82	77	72	68	44	42	42	40	[illegible]
1	103	102	101	99	63	62	60	58	39	39	40	41	[illegible]
2	96	92	88	86	54	50	45	42	42	42	43	45	[illegible]
3	85	83	82	81	37	35	33	30	48	48	49	51	263
4	81	81	83	86	29	30	31	31	52	51	53	55	270
5	88	91	95	99	32	33	34	35	56	58	60	64	342
6	109	131	164	204	40	64	83	136	69	66	80	67	[illegible]
7	263	314	363	412	186	238	289	332	77	77	74	80	[illegible]
8	469	505	544	586	386	421	461	499	83	84	83	87	231
9	620	665	714	761	527	574	624	666	93	91	90	95	[illegible]
10	821	868	933	989	723	763	822	881	98	105	110	109	[illegible]
11	1051	1120	1174	1249	940	1006	1059	1136	111	114	115	112	291
12	1313	1363	1407	1429	1184	1243	1275	1299	128	120	132	130	311
13	1459	1503	1530	1555	1326	1369	1388	1419	133	134	142	136	340
14	1562	1566	1570	1565		1451	1429	1430		102	101	135	
15	1540	1517	1489		1432	1413	1387	1333	108	104	102		
16	1377	1308	1244	1169	1291	1225	1168	1100	86	83	76	69	[illegible]
17	1106	1027	977		1040	973	915	855	65	54	62		[illegible]
18	865	813	768	732	806	755	713	681	58	58	55	51	[illegible]
19	695	663	620		649	611	551	512	46	52	69		[illegible]
20	542	519	507	479	485	470	451		57	49	56		[illegible]
21	453	417	366	333	409	364	316	283	45	52	50	50	[illegible]
22	288	259	235		247	217	191	168	42	42	44		[illegible]
23	204	189	180	173	153	144	135	127	50	45	45	[illegible]	[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 [illegible]
-91 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERIC 00	15	30	45	N.M.
0	166	155	145	136	111		84	77	55		61	59	205
1	126	119	116	114	72	68	66	64	54	51	50	50	170
2	113	111	112	113	61	60	60	61	52	51	52	52	219
3	116	116	114	110	63	64	60	55	53	52	54	55	295
4	105	102	99	94	51	47	43	40	54	54	56	54	301
5	91	91			40	39			51	52			284
6													
7													
8													
9													
10		515		593		462	508	533		53		61	
11	622	669	693	708	573	615	639	650	49	55	53	58	172
12	724	728	729	727	658	663	669	663	65	65	60	64	196
13	726	726	726	728	662	662	668	665	63	63	57	63	210
14	729	729	726	707	672	667	663	653	57	62	63	54	205
15	692	680	664	649	644	632	615	603	48	48	49	45	207
16	631	593			570	543			61	50			178
17				656									
18	611		536	501		521	481	448			55	53	
19	477	457	448	446	420	405	389	386	57	53	58	59	275
20	444	438	443	430	383	380	392	378	60	58	51	52	295
21		360	323	294	346	307	283	247		53	41	47	223
22	265	231	205	188	218	185	158	138	47	45	47	50	218
23	168	159	153	149	124	105	94	87	44	54	59	62	226

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 2 NOV 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
MST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0		143	140	136	84	81	78	75		62	63	60	182
1	131	126	122	120	71	68	65	63	60	58	57	57	224
2	121	123	125	126	63	65	67	70	58	58	58	55	207
3	123	119	113	106	70	66	55	46	53	53	57	61	184
4	103	100	100	102	44	42	42	44	59	58	58	58	351
5	104	106			48	49			57	58			281
6													
7				278				144				134	
8	332	408	471	539	202	269	331	407	130	138	140	132	138
9	616	672		788	477	532	598	644	139	140		144	184
10	831	874	901		699	740		888	131	135			205
11	940	952	974	993	910	927	946	956	31	25	28	36	264
12	1042		1136	1205	1002	1056	1097	1167	41		39	38	306
13		1339	1398		1220	1291	1347	1406		47	51		324
14	1501	1529	1542	1536	1452	1477	1496	1486	49	52	46	50	368
15	1539	1519	1484		1494	1477	1451	1411	45	42	33		374
16	1417	1369	1341	1306	1393	1347	1329	1284	24	22	12	22	353
17		1355	1308	1251		1288	1248	1193		68	60	58	
18	1188	1121	1071	1026	1138	1060	1008	974	50	61	62	52	322
19	1016	988	959		966	937	917	865	51	51	42		266
20	849	781	731	669	798	728	666	613	51	53	65	56	278
21	609		542	503	550	512	484	449	59		58	54	259
22	462	432		370	412	371	350	312	51	61		58	214
23	353	331	308	280	300	282	257	230	53	49	51	50	186

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA

ELECTRON CONTENT
10**15 E-M**3

? NOV 1975

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	M.
0		238		200	199	186	167	149		52		51	170
1	183	164	148	138	129	102	86	80	54	61	62	57	203
2	127	120	113	105	77	72	67	61	50	48	46	44	185
3	102	95	88	81	55	47	38	30	46	48	50	51	147
4	77	75	74	71	27	26	26	25	50	49	49	47	250
5													
6													
7													
8													
9			630	688			578	631			52	56	
10	725	778	819	837	662	720	757	768	63	58	62	69	225
11	868	904	936	971	802	836	869	890	65	68	67	80	294
12	1003	1048		1160	932	979	1016	1072	71	69		88	334
13	1213		1310	1358	1124	1181	1226	1276	89		84	82	334
14	1379	1391	1409	1419	1294	1311	1334	1343	85	81	75	76	337
15	1405	1387	1370	1362	1338	1324	1300	1291	67	63	70	71	355
16	1326	1302		1233	1246	1232	1220	1171	80	70		62	339
17	1173	1125	1075	1025		1060	1008	970		65	67	55	
18	988	941	898	864	923	880	835	803	65	61	62	61	297
19	836	804	771	734	773	748	711	675	64	57	60	59	257
20	684	629	557	515	633	577	508	463	51	52	50	51	279
21	464	419	369	318	412	363	310	267	52	56	58	51	295
22	290	267	243	231	239	210	190	179	51	57	52	52	245
23		208	205	200	169	163	155	150		46	49	50	229

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**2

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	192	178	164	144	139	126	100	85	53	52	64	59	170
1	125	108	95	87	73	60	42	33	52	49	53	54	166
2	82	78	76	76	28	24	23	21	54	54	54	55	226
3	75	75	75	75	21	20	21	20	55	55	55	55	260
4	75	75	75	76	23	23	24	24	53	52	51	52	264
5	77	78	81	85	26	27	28	31	52	51	53	54	235
6	94	118	149	193	39	60	82	137	54	58	67	56	262
7	245	299	350		187	236	295	321	59	63	55		206
8	440	486	540	585	378	421	474	525	62	64	66	60	219
9	626	681	720	777	565	621	652	714	61	60	68	62	246
10	817	861	905	938	758	798	841	869	59	63	64	70	254
11													
12				1323				1207				87	
13	1365	1418	1469	1520	1282	1332	1369	1425	83	85	100	95	949
14	1552	1598	1648	1637	1459	1505	1536	1545	93	93	112	92	378
15	1650	1644	1636	1632	1568	1566	1562	1560	82	78	74	72	392
16	1606	1585	1557	1516	1531	1512	1471	1452	75	73	85	63	366
17	1492	1479			1430	1418	1387	1336	62	61			356
18			1064	1012	1084	1014	975	922			89	91	271
19	956		847	810	864	810	751	710	92		96	100	232
20	764		713	679	651	633	606	576	114		107	103	196
21	615												
22			367	318		395	311	272			56	47	
23	260		187	160	206	173	132	97	54		55	63	176

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT [illegible]
10**15 E-M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	[illegible] KM.
0	141	133	125	121	83	77	73	70	59	56	52	51	177
1	118	113	109	106	68	63	59	56	50	50	50	51	214
2	103	100	95	92	52	47	42	37	51	53	53	55	[illegible]
3	90	88	85	82	35	32	31	29	55	56	54	53	184
4	80	78	76	75	26	25	24	23	54	53	52	52	[illegible]
5	74	73	74	75	22	22	21	21	52	52	54	54	207
6	83	100	126	169	27	47	72	96	56	53	54	[illegible]	[illegible]
7	207	253	296	335	149	191	234	279	58	62	[illegible]	[illegible]	[illegible]
8	372	408	451	492	309	345	395	425	63	63	56	68	215
9	534		611	646	477	524	544	589	57		66	57	236
10	683	703	725		635	648	660		48	55	64		245
11													
12		873	900			814	836	848		60	64		
13		934	939	939	871	878	882	883		56	58	56	317
14	937			893	883	875	864	840	54			53	312
15	868	840	814	797	815	777	766	753	52	63	48	44	324
16	787	774	756	719	741	728	710	668	46	46	46	51	282
17	682	645	604	554	643	601	553	507	39	44	52	47	263
18	516	463	436	407	472	421	387	360	44	42	49	47	[illegible]
19		374	355	345	334	318	307	298		55	49	47	246
20	337	328	324	322	287	275	268	270	50	53	56	52	309
21	312	299	278	258	259	246	231	199	54	53	47	59	285
22	234		206	195	186	173	162	148	48		43	47	[illegible]
23	178	166	148	131	137	116	89		42	50	66		[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT [illegible]
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	KM.
0	117	104	96	91	71	63	50	42	46	41	46	49	171
1	86	82	78	75	36	32	28	26	50	50	50	50	[illegible]
2	73	71	69	68	23	22	20	18	50	49	49	49	200
3	66	65	63	62	17	14	13	12	49	51	50	50	208
4	61	60	61	61	11	11	10	11	50	49	51	50	223
5	62	62	63	67	11	11	11	15	50	50	51	52	206
6	76	97	124	167	23	40	69	92	53	57	55	75	244
7		267	328	377	157	199	278	315		68	50	62	207
8	434	490	535	582	383	424	482	526	51	66	53	56	196
9	626	663	707	760	575	612		702	52	52		57	[illegible]
10	802	847	899	951	751	777	838	884	51	70	61	67	259
11	993	1041	1074	1138	935	981	1003	1065	58	60	71	73	297
12	1168	1190	1239	1250	1103	1122	1170	1179	65	68	69	71	[illegible]
13	1284	1318	1347	1350	1219	1240	1273	1279	66	78	74	71	344
14	1369	1376	1361	1351	1298	1307	1294	1288	71	69	68	63	358
15	1319	1283	1252	1215	1252	1228	1204	1154	67	55	49	60	341
16	1151	1127		1065	1104	1072	1048	1009	48	55		56	[illegible]
17	1030	995	952	905	982	942	905	872	48	53	47	34	[illegible]
18	880	837	803		836	799		712	44	39			[illegible]
19	711	698	657	636	661	641	615	588	50	39	42	48	251
20	609	582	556	526	555	527	505	478	54	55	52	48	288
21	504	474	443	410	446	423	406	361	58	51	36	49	[illegible]
22	334	276	237	208	291	233	188	167	43	43	49	41	180
23	189	174	157	144	143	129	100	87	46	45	57	57	194

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEMBA ELECTRON CONTENT 10**15 E-M**3 [illegible]

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	KM.
0	127	115	10[illegible]	98		72	64	54		43	40	44	
1	91	86	82	77	45	37	32	29	46	49	50	48	[illegible]
2	74	71	69	68	26	24	22	20	49	47	47	47	[illegible]
3	67	66	65	65	18	17	16	15	49	49	49	49	[illegible]
4	64	64	64	63	15	15	15	15	49	49	49	47	244
5	65	66	67	69	18	18	17	19	47	48	50	50	263
6	74	91	117	156	25	40	72	96	50	51	45	60	[illegible]
7	205	256	308	356	155	197	260	303	50	59	48	53	194
8		443	486	532	351	391	424	478		52	61	54	195
9		604	639	680	520	543	591	635		61	48	45	216
10	712		794	823	658	700	747		54		46		[illegible]
11	845	869		1003	778	821	864	936	67	48		61	[illegible]
12	1062			1239		1073	1127	1169				69	
13	1234	1232	1240	1234	1165	1162	1167	1149	69	70	72	85	342
14	1211	1188	1164	1137	1131		1103	1071	80		61	65	368
15	1111		1042	1002	1046	1011	990	945	65		53	57	341
16		954		900	893	879	854	806		75		93	339
17	849	796	762	711	760	715	668	618	89	80	94	94	293
18	659	594	535	495	563	490	441	416	96	105	95	79	298
19	462	443	429	421	390	373	365	362	72	69	64	59	349
20	417	408	382	351	357	334	304	287	60	74	78	64	[illegible]
21	329	312	291	275	261	242	225	205	68	71	66	70	310
22	259	243		201	188	173	152	139	71	70		62	255
23	191	178	165	156	129	114	100	92	62	65	65	64	243

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6 SPHERICAL ELECTRON CONTENT 10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	146	145	143	142	86	84	83	84	61	61	60	59	220
1	139	136	132	128	82	82		75	57	54		52	204
2	126	119	112	106	73	70	64	58	53	49	48	48	195
3	99	94	88	82	50	40	36	34	49	54	52	48	224
4	78	76	75	73	33	30	30	28	46	47	46	45	302
5	72	72	74	77	28	28	27	30	44	44	47	47	278
6	85	104	132	177	36	58	84	131	49	46	48	47	242
7		287	347		182	238	294	344		49	53		228
8	452	509	555		401	461	504		52	48	50		237
9				782				732				50	
10	833	868	906	936	771	816	850	871	61	53	57	64	265
11	955	995	1029	1049	888	929	958	985	67	65	71	64	301
12	1071			1134	1003	1023	1043	1065	68			69	336
13	1144	1149	1150	1141	1077	1086	1089	1078	67	64	61	63	337
14	1133	1121		1078	1077	1066	1047	1022	56	56		57	324
15													
16		980	941	894		881	841	782		99	100	112	
17	850	808	761	719	755	706	658	609	95	102	103	110	339
18	670	626	595		550	522	480	447	120	104	115		336
19													
20													
21		291	280	264		245	238	217		46	42	47	
22	242		208	300		180	169	156			38	43	
23	188	176	169	161	143	132	121	111	45	44	48	50	311

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 S/T. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E-M**3

	TOTAL				FARADAY				PLASMASPHERE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	153	152	150	148	97	94	95	92	57	58	55	56	201
1	142	136	129	121	88	83	80	75	55	52	48	46	195
2	112	104	99	94	71	64	58	50	41	40	41	44	243
3	88	80	72	68	41	32	26	23	47	48	46	44	177
4	64	63	63	62	23	22	20	20	41	41	42	42	313
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

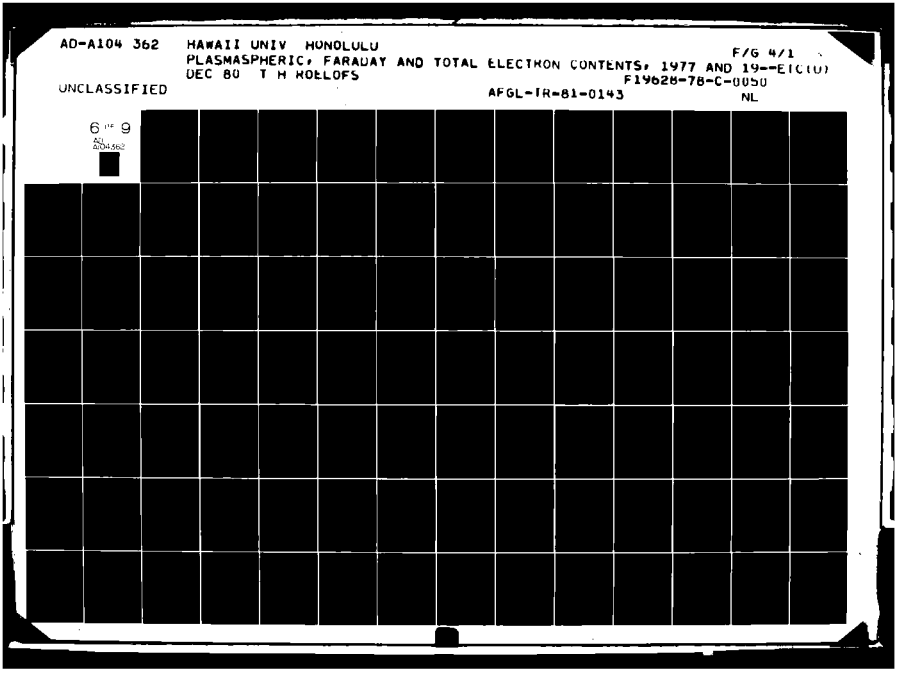
4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E.M.**2 10 100W [illegible]

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.I. KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13								1222					
14	1307	1299	1291	1285	1226	'224	1220	1214	81	75	71	71	364
15		1227	1200	1164	1184	1159	1126	1108		68	74	56	324
16	1138	1114	1073	1028	1076	1054	1007	982	62	61	65	45	324
17	988	951		893	932	891	857	830	56	61		63	312
18	873	863	854	833	813	804	795	781	60	59	59	52	312
19	810	789	765	733		734	710	681		55	55	52	
20	706	683	663	638	646	628	604	586	60	55	59	52	364
21	612		539	503	557	526	485	452	55		54	51	260
22	470	427	382	341		379	331	295		48	50	46	
23	305	275	259		256	224	196	183	49	50	63		312

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRELATED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

AD-A104 362 HAWAII UNIV HONOLULU F/G 4/1
PLASMASPHERIC, FARADAY AND TOTAL ELECTRON CONTENTS, 1977 AND 19--ETC(U)
DEC 80 T H ROELOFS F19628-78-C-0050
UNCLASSIFIED AFGL-TR-81-0143 NL



ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 11 NOV 1975

	TOTAL				FARADAY				PLASTIPAUSE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	201	175	154	136	155	128		81	45	47		54	[illegible]
1	120	107	98	91	75	66	56	44	45	[illegible]			[illegible]
2	85	80	77	76	37	32	29	27	48	48	49	49	184
3	74	73	70	69	25	25	24	23	49	49	47	46	178
4	68	67	66	65	22	21	20	20	45	46	45	45	[illegible]
5	65	66	67	69	20	21	21	24	45	45	45	45	233
6	72	93	119	151	28	43	71	93	44	49	48	58	[illegible]
7	193	239	277	319	144	191	228	274	49	47	48	46	171
8	354		428	466	306	332	376	416	48		52	50	[illegible]
9	503	552	599	644	451	505	545	597	52	46	54	47	[illegible]
10	694	728	771	818	646	671	722	764	47	57	50	54	257
11													
12				1145			1025	1078				67	
13	1174	1203	1227	1244	1115	1138	1171	1191	58	65	56	53	315
14	1211	1196	1159	1127	1154	1135	1113	1087	57	61	46	41	310
15		1072	1033	981	1053	1018	993	946		54	40	35	298
16	903	855		732	864	817	760	684	40	38		48	[illegible]
17	663	614		537	621	559	525	486	42	55		5.	[illegible]
18	510	495	478	459	457	438	426	417	53	57	52	48	[illegible]
19	434	409	375	353	385	359	318	303	49	50	56	51	243
20	326	307	294	278	275	259	251	238	51	48	43	40	240
21	262	241		207	208	191	178	161	54	50		46	[illegible]
22	200	189	189	200	148	137	139	152	52	52	50	48	329
23					177	184	182	156					247

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALENQUE

ELECTRON CONTENT
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	160	130	109	99	110	82	71	60	50	47	38	39	194
1	90	86	82	81	49	40	35	32	41	46	47	49	289
2	81	82	90	97	32	34	39	48	49	48	51	49	256
3	104	108	109	110	59	63	64	65	45	45	45	45	235
4	112	115	121	130	67	71	75		45	44	46		276
5	139	147	156	166	84	87	94	106	54	60	62	60	209
6	180	200		275	123	141	175	211	57	59		64	256
7	336		456	512	280	335	408	448	56		49	64	274
8		631	685		522	577	630	665		55	54		217
9	783	817	874		719	757	816	867	64	60	58		277
10	991	1059	1109		937	992	1039		54	67	70		300
11													
12			1320	1352		1237	1242	1277			78	74	
13	1363	1329	1304		1288	1255		1197	76	74			342
14	1236	1199	1176	1136	1170	1130		1084	66	69		52	343
15		1054	1012	976	1045		968	931			45	46	336
16	940	906	869	834	890	872	829	780	51	35	40	55	319
17	798	771		710	754	719	698	660	44	53		50	299
18	692	673	663	655	644	629	623	613	48	44	40	42	280
19	642	638	624	603	597	594	583	557	45	45	40	46	256
20	583	548	515	486	533	509	468	432	49	39	46	54	227
21	454	421		370	407	375	353	316	47	47		54	272
22	342	310	283	255	300	271	238	201	42	39	45	54	251
23	233		204	194	189	176	163	152	44		41	42	325

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 CNTL. LATS USE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 1[illegible] NOV 19[illegible]

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	NM.
0	187	178	168		144	136	125		43	43	43		186
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12			1119	1134			1071				49		
13				1068		1064	1044	1010				58	
14	1045	1018	1006	977	999	981	967	942	46	37	39	35	[illegible]
15	946	899	868	826	901	871	834	784	45	27	34	42	294
16	782		705	670	757	717	664	644	25		41	27	[illegible]
17	636	605		526	606	575	536	483	30	30		43	241
18	463	409	354	301	429	374	315	266	34	35	39	35	[illegible]
19	269	243			226	198	185	176	43	44			[illegible]
20		207	206	206	167	165	165	170		42	41	36	269
21	206	205	200	188	170	167	161	150	35	38	39	38	238
22	175	162	145	133	139	126	100	86	36	36	45	47	195
23	125	123	121	116	82		78	77	43		43	39	183

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 14 NOV 1979

	TOTAL				FARADAY				PLASMASPHERE				
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	107	104	97	91	72	68	63	53	35	35	34	38	161
1	84	76	69	65	44	36	29	24	40	41	40	40	138
2	61	58	57	56	21	18	17	16	40	40	40	40	179
3	55	56	63	69	15	12	9	6	40	44	53	64	158
4	72	75	75	72	4	4	3	3	68	71	72	70	127
5	69	64	61	58	4	4	8	10	66	60	53	48	78
6	60	75	95	128	14	26	49	79	45	50	46	48	215
7	174		259	295	123	177	203	253	50		56	42	172
8	326	348	372		288	306	320	365	38	43	52		155
9													
10													
11				961									
12	1027	1062	1144	1158			1103	1111			40	47	
13	1185	1234	1252	1247	1144	1188	1209	1206	42	46	44	41	[illegible]
14	1251	1239	1217	1192	1211	1201	1180	1141	41	38	37	51	314
15	1133	1111	1063	1017	1103	1073	1016	987	30	39	47	30	312
16	974		871	830	944	887	840	781	30		31	49	277
17	774	730	684	629	750	704	650	600	24	27	34	29	248
18		531	484	446	542	491	436	411		41	47	34	221
19	413		373	356	371	358	324	312	41		49	45	244
20	345	336	328	318	300	291	278	266	45	45	50	52	290
21	311	298	279	243	259	251	233	194	51	47	46	50	[illegible]
22	208	186	160	139	167	136	110	85	41	50	50	54	214
23	124	112	106	104	77	72	66	63	47	41	40	41	199

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 15 NOV 1[illegible]

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	100	97	94	91	57	53	49	44	43	43	45	47	255
1	89	88	87	86	41	40	39	37	48	48	48	49	195
2	85	84	83	80	35	34	33	31	50	50	50	49	139
3	75	71	67	63	27	23	19	15	48	48	48	47	151
4	61	59	58	57	13	11	9	8	48	48	48	49	233
5	57	58	60	63	8	10	11	13	48	48	49	49	189
6	69	80	104	140	20	32	55	83	49	48	48	57	231
7	181		266	306	126	176	201	257	55		63	49	176
8	347	382	429		299	321	375		48	62	54		200
9													
10													
11													
12						850	877						
13				898		885	873	858				40	
14	879	855	822	800	839	803	774	761	40	52	48	39	293
15	782	765		703	742	725	701		40	40			278
16	678	660	648	639	638	618	605	599	40	42	43	40	282
17	618	584	534	492	568	535	485	443	50	48	50	49	319
18	452	414		375	403	363	335	317	50	51		57	241
19	368	359	346	327	312		297	272	56		49	55	217
20	312	299	291	285	257	247	238	234	54	52	53	51	246
21	278	265	246	234	217	203	191	184	60	62	55	50	223
22		207	195	176	175	164	141	125		42	54	52	225
23	162	150	139	129	108	93	84	78	54	57	56	51	197

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 16 NOV 19??
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				I.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	117	111	104	99	72	67	62	56	45	44	42	43	185
1	96	91	88	84	48	43	38	33	47	47	50	51	[illegible]
2	80	75	71	68	31	25	22	18	50	50	49	50	138
3	65	63	62	61	15	13	10	9	50	50	51	52	171
4	61	61	60	60	8	7	6	6	53	54	53	53	190
5	61	62	64	65	7	8	8	12	54	54	55	52	133
6	71	84	105	135	20	31	53	78	51	53	53	57	273
7	176		263	299	115	171	201	251	62		62	48	195
8	326	345	369		280	299	313	356	46	46	56		197
9													
10													
11													
12						857	873	875					
13		885	857	832	872	840		776		45		55	280
14	801	784	776	760	761	746	728	717	41	38	49	43	322
15		708	681	653	678		639	604			42	49	269
16	621		533	481	557	529	477	424	64		56	57	[illegible]
17	433		367	333	372	332	309	274	61		58	59	[illegible]
18	304	270	245		245	203	190	170	59	67	55		[illegible]
19		206	199	195	153	145	140	137		60	59	58	279
20	192	193	199		134	138	146	162	58	55	53		246
21		207	199	194	168	148	151	145		58	48	49	111
22	181	158	137	130	125	87	81	78	57	70	55	52	[illegible]
23	125	120	114	111	77	74	72	68	49	46	43	43	205

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 1. [illegible]
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	KM.
0	105	104	103	103	65	63	60	60	40	42	42	42	204
1	100	96	94	91	58	53	49	46	42	42	45	45	191
2	91				44				47				151
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 20 NOV 1973
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	I.P. KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14			531	532		496	490	490			41	42	
15	537	544	544	538	495	505	508	498	42	38	36	40	[illegible]
16	530	521	502	478	489	483	458	428	42	38	44	49	277
17	443	414		375	407	366	344	322	36	47		53	287
18	355	338	324	317		295	278	268		43	47	49	
19	303	285	273	267	252	239	220	215	51	46	52	52	[illegible]
20	261	255	248	241	206	202	197	191	55	53	51	50	[illegible]
21			201	193	181	169	156	146			45	47	275
22	183	171	158	149	134	120	100	91	49	51	58	58	323
23	140	134	128	124	85	82		77	55	52		47	[illegible]

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTION FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEMBA — ELECTRON CONTENT 10**15 E/M**3 — 21 NOV 1975

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	...
0	121	115	108	99	73	71	66	57	48	44	43	42	129
1	92	88	85	81	47	41	37	33	45	47	48	48	133
2	77	70	64	60	29	23	17	12	48	47	47	48	130
3	56	55	55	57									
4	59	60	59	58									
5	57	56	57	59									
6	63	74	97	124	11	21	41	73	52	53	56	51	162
7	155	189			92	140			63	49			168
8													
9													
10													
11			588	625		528	545	580			43	45	
12	665	702			636	661			29	41			272
13													
14													
15													
16													
17													
18													
19													
20													
21	457	443	415			402	370	351		40	44		
22	382	382	377	372	336	339	322	318	46	42	55	54	181
23	367	352	326	292	313	304	294	254	54	49	32	38	171

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 27 NOV 19..

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	KM.
0	271	256	241		231	205	194	185	40	51	46		135
1	184	149	120	101	146	105		66	38	44		34	147
2	91	86	81	77	55	44	39	34	36	43	43	43	273
3	71	68	66	65	30	28	25	24	41	40	40	41	201
4	64	63	63	63	22	21	19	20	41	42	43	43	207
5	66	68	69	73	20	22	25	28	45	45	45	45	202
6	80	96	120	158	36	56	77	108	44	40	43	50	214
7	196	234	265	296	149	187	205	241	47	47	60	55	206
8	337	383	437	488	286	321	378		51	63	59		340
9	542	597	643	693	485	536	595	644	57	61	48	44	275
10		773	801	805	682	720	758	762		53	43	43	228
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 27 NOV 1979

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. A.M.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12			788	790		773	754	757			34	33	
13	790	790	789	787	757	756	758	755	33	33	31	32	310
14	783	781	772	762	750	750	740	726	33	31	33	35	298
15		723	698	679	706	679	660	649		43	38	30	289
16	663	642	632	615	626	601	597	580	37	41	35	35	299
17	599	586		533	555	543	531	490	44	43		43	245
18	496	431	373	331	447	400	332	287	49	31	41	44	207
19	299	276	255	241	250	226	203		49	49	52		246
20					181	169	167	165					292
21			197	182	167	168	154	139			42	43	253
22	165	152	137	122	125	106	90	82	40	47	47	40	189
23	109	97	89	84	71	60	54	48	38	36	35	36	177

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 20 NOV 1975
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				...T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	82	79	77	77	41	37	36	35	41	42	42	42	206
1	76	75	76	78	34	33	32	35	42	42	44	43	181
2	81	83	83	82	41	42	39	36	41	41	44	46	193
3	78	74	69	66	33	31	28	24	45	43	43	41	197
4	64	62	62	61	22	20	19	18	42	42	43	43	203
5	61	63	63	63	17	17	17	18	43	45	45	45	173
6	66	73	89	118	22	28	46	77	44	46	43	41	214
7	156	196	245	282	100	152		232	56	44		50	167
8	319	356		408	281	311	336	367	38	45		40	[illegible]
9	424	441	451	468	381	406	415	427	43	35	36	41	185
10	490	518	547		449	484	514	538	41	34	33		[illegible]
11	597	625	644	662	558	590	607	631	39	34	37	31	243
12	687	711			654	668	700	705	32	43			[illegible]
13		725	697	670	700	679		644		46		26	[illegible]
14	662	652	643	632	630	614	605	598	32	38	38	34	311
15	625	606			595	567		528	30	39			285
16	530	503	460	431	496	461		395	35	42		36	[illegible]
17			362	340	361	335	315	301			47	39	241
18	312	276	238		262	229		173	50	46			194
19	201	194	190	187	148	141	140	137	53	52	50	50	[illegible]
20	184	182	181	181	134	134	135	135	50	48	46	46	[illegible]
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 [illegible]
269 ZERO CONTENT ANGLE 49 CAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 29 NOV 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0													
1													
2													
3			66	68			28	30			37	38	
4	69	70	70	70	31	33	33	32	37	36	36	38	308
5	70	71	71	72	31	29	28	28	39	42	43	44	267
6	73	77	86	106	30	35	43	66	44	43	43	40	239
7	135	178			88	135	184		46	43			166
8													
9		534		585		493	530	542		41		43	
10	598	598	582		554	553	544	535	44	45	38		166
11	556	555		584	530	528	537	546	27	28		37	253
12	599	608	629	644	557	565	600	608	42	43	30	35	280
13	656	681	710		619	649	664	709	36	32	46		311
14	777	810	845	871	743	769	806	839	34	41	39	33	295
15	885	893	889	878	848	859	856	840	37	34	33	38	292
16	865	840	796		826	813	761	719	39	27	34		273
17	690	637		507		598	532	466		39		41	
18	451		352	312	412	352	311	262	39		41	50	322
19	284	264	246	234	241	214	197	184	43	50	49	49	287
20													
21													
22													
23		134	117	104	101	84	75	66		50	42	37	149

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 30 NOV 1[illegible]
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	93	86	78	74	55	45	37	32	38	41	41	43	166
1	70	69	69	69	28	27	26	26	42	43	43	44	[illegible]
2	69	70	69	69	26	27	27	26	44	43	42	43	182
3	69	68	65	63	26	25	24	21	42	43	41	42	196
4	64	65	64	64	20	20	19	19	43	44	45	45	216
5	65	65	65	68	19	19	21	22	46	46	44	46	200
6	72	82	99	130	25	33	54	79	47	49	45	51	218
7	167				112	166			54				176
8													
9													
10		872	900			827	851	879		45	48		
11	944	974	1009	1035	895	932	961	991	50	42	49	44	435
12	1068		1135	1161	1012	1059	1085	1113	55		50	48	469
13	1188	1212	1224	1229	1127	1162	1178	1181	62	49	47	48	441
14	1226	1215	1209	1209	1176	1163	1161	1161	50	51	48	47	460
15	1214	1202	1153	1116	1168	1149	1107	1064	45	53	46	52	402
16	1076	1041	986	949	1016	989	936	887	61	51	50	62	410
17		882	847	806	868	824	780	745		59	67	61	[illegible]
18	773		710	670	701	670	642	595	72		68	75	485
19	634	603	583		555	527	506	484	79	77	77		496
20	544				477	478	486	498	67				1229
21					501	497	491						384
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 4 DEC 1975
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.T. KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12	956	956	965	994		876	872	880		80	93	114	
13	1049		1147	1173	918	978	1034	1074	131		113	99	339
14	1203	1250			1098	1151	1182	1192	104	100			339
15			1120	1061	1196	1165		1059				2	340
16	1007	957	901	856	1004	951	893	845	3	6	7	11	319
17	833	800		698	809	788	755	706	23	13		-8	290
18	653	602	555	514	656	605	553	507	-3	-3	2	6	249
19	476	456	442	424	472	434	412	391	4	22	30	33	272
20			361	345	373	357	327	310			34	35	275
21	329	312	287	269	297	280	261	240	32	33	26	29	260
22	254				214	204			40				209
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

HIS-6:PALEHUA

ELECTRON CONTENT
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				..T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0													
1													
2													
3													
4													
5													
6		74	90	115		26	40	67		48	50	48	
7	150	200	244	289	89	143	186	232	61	57	58	57	82
8	338	375	419	453	275	305	356	392	62	69	64	61	221
9	481	515	552		416	448	489	519	65	66	63		227
10	622	660	683	709	551	596	622	642	71	63	61	67	225
11	728		794	827	670	694	738	755	58		56	72	224
12	859	857	843	842	801	794	768	768	57	63	75	74	304
13	847	842	827	808	777	770		754	70	72		54	304
14	794	785	768		746	734	720	708	47	50	48		315
15	727	706	682	661	678	658	644	624	49	49	38	37	295
16	637	610		549	606	564	536	515	32	46		34	290
17	526	501	469	443	484	454		399	42	47		44	279
18	418		371	354	371	345	322	310	47		49	44	345
19	346	344	341	332	303	301	292	281	42	43	48	51	296
20	325	320	318	311	271	268	270	264	54	52	48	47	311
21	303	286			258	242	212		45	44			228
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. CH. CODE

ATS F:PALEHUA ELECTRON CONTENT 6 DEC 1972
10**15 E-M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11	.			694				632				62	
12	721	763	802	831	651	698	744	761	69	64	59	70	302
13	864	881	880	882	809	821	819	823	55	60	61	59	316
14	871	861	857	849	817	794	795	777	54	67	62	72	334
15	823	794	768		771	753	721	679	52	41	47		301
16	691	655	616	586	650	608	561	537	40	46	54	49	306
17		540	513	482	512	488	467	432		52	46	49	290
18	458	433	410		411	384	364	329	47	49	45		275
19	372	345	312	288	323	301	260	235	49	44	52	53	283
20	274	265	261	251	218	212	207		56	53	54		273
21	244	243			195	192	184	174	49	50			273
22	198	182	166	148	154	142	121	98	43	40	45	50	249
23	135				87				47				217

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 7 DEC 1978

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0													
1													
2													
3													
4													
5	64	64	66	67	19	19	19	20	45	45	47	46	259
6	68	75	89	114	23	28	38	65	44	47	51	49	290
7	149	198	243	278	90	143	187	214	59	55	56	63	175
8	312	341	370		255	289	305	343	57	52	64		188
9	433	453	472	476	375	404	414	415	58	49	58	60	188
10	478	478	481	486	419	419	421	426	58	59	59	61	214
11	493	503	513	526	435	446	463	476	58	57	49	51	265
12	542			766	492	514	527		50				305
13	774	774	775	777	708	711	711	712	67	63	64	65	374
14	773	761			716	714	706		57	47			378
15	553	544	541	535									
16	517	500	478	457			427	414			51	43	
17	437	422	409	381	401	388	377	368	36	35	31	13	268
18	356	322	294	276			193	176			101	99	
19	262	253	246	240	167	158	151	147	95	95	95	93	240
20	237	238	241	245	143	141	142	145	94	97	99	101	217
21	245	243	243		146	146	144	148	100	97	99		178
22	194	179	158	139									
23	125	118	104	93	75	65	61	52	50	54	44	41	162

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 13 DEC 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	112	111	111	111	52	52	54	56	60	59	58	56	259
1	112	107	104	99	54	49	44	39	58	58	59	59	186
2	96				37				59				176
3													
4													
5													
6	84	93	111	136	27	32	46	72	57	61	66	64	154
7	178		273	320	106	159	195	249	72		78	71	220
8	367	405	441	473	296	333	370	403	71	71	71	70	202
9	511	536		580	435	472		514	76	64		66	211
10	607	624	644	650	538	564	583	589	69	60	61	61	230
11	660	665	671	692	600	605	611	632	59	60	60	60	265
12	720		765	793	649	667	699	733	70		66	60	326
13	825	851	860	856	758	778	811	807	67	73	49	49	301
14	848	833	826	822	801	774	770	768	47	59	56	54	318
15	830	826	808	793	776	776	766	757	53	50	42	35	299
16	775	723	652	601	739	673	621	561	36	49	31	40	289
17	553	502	459	430	519	460	419	380	34	42	40	50	274
18	409		361	335	359	327	312	277	49		49	58	253
19	322	316	314	317	261	255	253	255	61	61	61	62	336
20	317	323	336	349	256	259	272	291	62	64	64	58	329
21	355	338			299	277	263		56	61			365
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALENQA ELECTRON CONTENT 10**15 E/M**3 14 DEC 79.3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S/C KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12				983		862	872	901				83	
13	1029	1055	1073	1071	969	991	1000	1001	60	64	73	70	338
14	1047	1026	1007	969		981	960	927		45	48	42	
15			887	849	881	872	847	814			40	36	337
16	801		684	639	767	716	652	603	35		32	36	283
17	581	539	501	467		503	469	433		36	32	35	
18	450	435	424	416	417	403	385	379	33	32	39	36	263
19	408		358	338	369	347	316	300	39		43	38	262
20	330	333	331	317	291	296	292	275	39	37	39	42	245
21	295	278	261		252	233	209		43	44	52		247
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR SAT. LATITUDE
269 ZERO CONTENT ANGLE 49

ATS-6:PALEHUA ELECTRON CONTENT 15 DEC ..
10**15 E/M**3

HST	TOTAL 00	TOTAL 15	TOTAL 30	TOTAL 45	FARADAY 00	FARADAY 15	FARADAY 30	FARADAY 45	PLASMASPHERE 00	PLASMASPHERE 15	PLASMASPHERE 30	PLASMASPHERE 45	S.I. KM.
0													
1													
2													
3													
4													
5		62	60	60		28	26	28		34	34	32	
6	64	70	86	113	32	36	50	73	32	34	36	41	314
7	146	193	238	278	93	151	187	222	53	42	51	55	215
8	325	370	418	457	281	310	365	405	44	60	54	52	257
9	501	531		609	432	476	519	543	69	55		66	237
10	655	693	728	779	601		671	720	54		56	59	246
11	807	861	905	961	758	811	857		49	50	48		264
12			1111	1142		991	1045	1086			65	56	
13	1214	1243		1295	1149	1184	1214	1225	65	59		70	333
14	1326	1322	1294		1280	1277	1240	1227	46	45	55		349
15	1239	1211	1170	1124	1209	1176	1131	1097	30	34	39	27	329
16		1056	981		1070	1031	960	898		25	21		277
17	851	800	730	647	828	784	709	630	23	16	22	17	243
18					548								254
19													
20													
21													
22													
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO.CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 19 DEC 1979
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0													
1													
2			82	78			33	29			49	49	
3	76	73	70	69	27	25	22	19	50	49	49	49	214
4	68	67	66	67	16	14	13	14	52	53	52	53	208
5	69	70	74	79	15	17	19	21	53	53	56	58	221
6	86	94	106	134	24	29	45	74	62	65	61	60	330
7	176	232	280	312	96	167	197	245	80	65	84	68	207
8	320	315	317	321	253	250	251	254	67	65	66	67	143
9	330	353		427	264	287	321	359	66	67		68	258
10	476	527		637	408	451	506	556	68	76		81	327
11	695	763	792	821	630	687	727	752	65	76	64	69	283
12	838	863	871	874	771	804	814	818	67	58	57	57	281
13	871	858		839	821	810	813	777	50	48		62	271
14	834	830	820	824	779	774	771	772	56	56	49	52	303
15	818	807	795	767		769	756	727		39	39	40	
16		724	694	668	707	687		631		36		37	181
17	639	614		541	604	575	542	496	35	39		44	243
18	483	444		351	438	406	360		44	37			300
19	319	297	280	265	278	260	241	217	41	37	39	48	225
20	256	249	243		208	201	194	176	49	48	49		235
21		198	192	186	156	150	143	139		48	49	47	245
22	182	173	160	150	133	120	106	98	49	52	54	51	250
23	139	122	106	100		74	62	48		48	44	51	

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 46 SAT. LATITUDE

501

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 20 DEC 75

	TOTAL				FARADAY				PLASMASPHERE				S.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	90	87	85	84	38	35	33	33	51	52	52	51	[illegible]
1	85	85	84	83	34	34	35	34	52	51	49	49	210
2	83				34				49				163
3													
4													
5													
6				112				68				44	
7	143	184		265	84	131	172	202	59	54		63	187
8	309	354		445	260		348	395	48			50	[illegible]
9	478	510	545		420	462	489		58	48	56		197
10	616	644	671	719	568	592	621	660	48	52	50	59	[illegible]
11	765	805	857		713	757	806	862	53	48	51		259
12	990	1039	1072	1115	938		1023	1058	52		49	57	302
13	1125	1140	1146	1138	1082	1097		1098	44	43		40	[illegible]
14	1125	1108	1069	1033	1094	1075	1039	999	31	33	29	34	302
15	996	964			968	942	888	853	28	22			303
16	823	768	708	665	800	746	688	642	22	23	20	23	281
17	599	544	521	505	567	518	498	466	33	26	24	38	250
18	487	478	449	417	448	442	426	392	40	36	22	24	218
19		348	308	271	360	317	282	234		31	25	37	190
20	248	232		208	206	195	188	177	43	37		31	251
21	200	188	178	172	164	153	146	140	36	35	33	32	224
22	168	163	156	144	134	134	118	104	34	29	38	40	204
23	133	114	100	88	90	78	68	58	43	36	31	30	163

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 21 DEC 1978

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. KM.
0	82	78	73	69	46	40	36	34	36	38	37	35	138
1	68	65	63	60	32	31	29	25	35	34	34	34	132
2					21	18	14	12					107
3					11	12	13	14					167
4					13	14	15	16					220
5				61	18	19	21	23				38	189
6	63	67	74	91	24	27	34	51	38	39	40	40	225
7	116	150	181		76	94	140	177	40	56	41		189
8	244	280	312	343	196	238	271	297	48	43	41	45	168
9	362		408	427	313	352	365	388	49		42	40	186
10	441	462	480	516	403	419	430	482	37	43	50	34	221
11	538	555		586	505	524		539	33	32		47	234
12	613	635	654	694	577	599	631	652	36	37	23	43	281
13	729	771	823	874	706	741	782	845	23	30	41	29	280
14		970	1016	1033	884	947	993	1001		22	23	32	288
15					1071		1108	1077					303
16		989	941	880	1024								282
17	789	727	625	527	786	718	616	523	3	8	9	4	209
18	436	367	317	276	413	338	288	246	23	29	29	29	191
19	240		200	191	202	176	153	147	38		46	44	282
20	187	184	181	175	143	141	140	135	44	43	41	40	260
21	165	156	143	132	121	105	92	86	44	51	51	46	251
22	120	109	93	80	81	73	58	43	39	36	34	38	209
23	72	67	64	63	31	25	21	18	42	41	42	44	217

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 22 DEC 1977
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13			1004	1062				1018				44	
14	1078				1051	1073	1085	1074	28				312
15		1070	1011	961	1080	1054	998	942		16	13	19	291
16	899	853	785		883	834	769	723	16	19	16		[illegible]
17	712	662	624		691	650	604	541	21	12	19		[illegible]
18	534	479	460		517	448	433	368	17	30	27		199
19	352	330	313	296	316	299	281	257	36	31	33	39	193
20	284	276	266	258	240	230	216	207	45	46	50	51	293
21	244		195	170	200	184	168	139	45		27	31	215
22	148	131	118	106	99	87	80	73	49	44	38	33	160
23	98	91	86	81	66	60	50	44	31	31	36	37	171

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

504

ATS-6:PALEHUA ELECTRON CONTENT 25 DEC 1975
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	M.I. KM.
0	78	78	77	77	40	39	38	39	38	39	39	38	162
1	78	82	84	85	42	48	50	51	36	34	35	34	150
2	82	74	69	64	47	37	31	27	35	37	38	37	121
3	62	61	60	59	23	22	20	18	38	39	39	41	218
4	59	59	59	59	16	15	14	13	42	44	45	46	152
5	58	58	59	59	12	13	15	16	46	45	44	42	166
6	61	65	72	90	19	23	30	46	42	42	43	44	213
7	115	143	179		72	92	136	167	43	51	43		184
8	242	272	296	312		225	251	270		47	45	42	
9	328	348	360		288	304	311	355	40	44	49		196
10	407	424	437	436	368	388	403	403	38	37	34	33	160
11	440	448	463	481	408	413	421	429	32	34	42	51	203
12	515	527	541		483	492	509	529	32	35	32		209
13	593	618	649	673	544	589	611	645	49	28	37	28	288
14	696	711	714	715	662	674	685	689	35	37	29	26	279
15	691	662	634	610	661	645	611	591	30	18	23	19	268
16	593		540	509	564	546	516	484	30		24	24	261
17	499	484	458	444	475	454	432	426	24	29	26	18	235
18	412	372	340	296	385	343	310	267	27	29	30	29	191
19	277	247	236		245	208		187	31	39			192
20	203	203	202	200	178	178	169	168	25	25	33	32	214
21	198	198	193	182	165	167	160	152	33	31	33	30	214
22	160	143	125	104	132	100	86	70	28	43	39	34	177
23	86	75	68	63	51	38	30	26	35	37	37	37	159

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. CONTROL

ATS 6:PALEHUA — ELECTRON CONTENT 10**15 E/M**3 — 21 JAN 1975

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	S.T. H.M.
0	61	60	62	64	23	22	20	18	38	38	41	46	[illegible]
1	65	66	65	66	17	17	15	15	48	49	49	51	223
2	65	63	61	62	14	14	15	16	50	48	46	46	163
3	60	58	58	61	15	15	17	18	45	42	41	42	203
4	60	58	59	59	18	18	18	18	41	40	41	41	[illegible]
5	58	58	58	59	18	18	17	16	40	40	41	43	[illegible]
6	59	62	68	82	18	20	24	40	41	42	43	42	290
7	104	135	170	203	66	83	128	164	38	51	42	38	217
8	240	269	289	319		216	248	278		53	41	41	
9	347	374				323	347	359		51			
10	410	422	433	438	369	383	398	403	41	39	35	35	205
11	450	463	467	464	414	423	424	422	36	40	43	42	219
12	459	474	479	495	424	430	437	460	36	43	42	35	220
13	486	484	499	506	446	440	467	480	40	44	32	26	277
14	508	507	509	516	484	480	482	487	24	27	27	29	316
15	521	522	517	499	490	493	490	478	30	30	26	22	264
16	476	442		374	443	418	372	337	33	24		37	238
17	335	322	315	308	303	290	278	269	32	32	37	38	283
18	287	271	246		254	227	203	176	33	44	44		204
19	198	183	174	170	155	140	129	123	43	43	44	47	[illegible]
20	166	166	169	169	113	110	118	120	53	56	51	49	251
21	165	156	144	135	106	97	90	85	59	59	54	49	253
22	122	110	96	84	81	73	61	44	41	37	35	40	152
23	77	72	70	70	37	34	31	30	40	39	40	40	278

4.860E 14 CONTENT PER DEGREE — 6.250E 14 — CORRECTED FOR
269 ZERO CONTENT ANGLE — 49 — SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 25 DEC 1973
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				I.P.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	72	72	73	74	31	31	32	34	42	41	41	40	232
1	77	80	82	85	36	39	41	45	41	41	41	40	189
2	87	89	90	90	49	52	54	53	38	37	36	37	192
3	78	69	64	61	40	30	25	21	38	39	39	40	200
4	60	59	58	58	18	16	13	11	41	42	44	47	212
5	59	60	61	63	9	10	11	13	50	50	49	50	191
6	69	76	89	114	18	25	35	62	51	51	54	52	354
7	143	196	242	277	82	135	184	212	61	61	57	64	258
8	303	312	313	316	250	259	259	261	53	54	55	55	135
9	324	345	371		271	292	310	347	53	52	61		248
10	441	491	548	611	382	422	482	537	59	69	66	74	357
11	656	703		798	600	643	696	745	55	60		53	302
12	837	862	875	885	772	809	823	832	66	53	52	53	271
13	889	882	869	866	847	838	826	826	42	44	43	40	224
14	839	813	764	724	804	775	742	688	36	38	22	36	269
15	675	631	591		649	603	555	529	26	28	37		296
16	529	499	463	433	496	465	430	402	33	34	33	31	321
17		364	328	291	370	323	291	259		41	37	33	280
18	263	239		200	212	193	173	152	50	45		47	218
19	192	181	173	167	145	137	125	114	47	44	47	52	289
20	163	165	169	174	101	105	111	122	62	60	58	52	305
21	175	173	169	163	121	119	116	106	55	54	53	57	241
22	154	142	133	121	96	90	85	79	58	52	48	42	186
23	108	96	86	81	73	62	51	42	36	34	35	39	238

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
259 ZERO CONTENT ANGLE 49 SAT. LATITUDE

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ATS-6:PALEHUA ELECTRON CONTENT 26 DEC 1974
10**15 E/M**3

HST	TOTAL 00	15	30	45	FARADAY 00	15	30	45	PLASMASPHERE 00	15	30	45	M.I. KM.
0	78	74	72	70	37	35	33	32	41	39	40	38	218
1	70	70	70	70	32	31	30	30	38	39	40	40	227
2	69	69	67	64	29	27	26	24	41	41	41	40	229
3	61	60	60	60	22	20	18	18	39	39	41	42	294
4	60	59	59	59	16	16	15	15	43	43	44	44	333
5	59	59	61	64	14	14	15	17	45	45	46	47	229
6	67	74	85	108	21	27	38	64	46	47	47	45	208
7	139	181		269	85	134	182	205	55	47		64	222
8	311	343	374		258	295	312	349	52	48	62		216
9	425	445	459	476	374	399	412	424	51	46	47	52	194
10	493	498	484	482	440	448	429	429	54	50	55	53	194
11	480	481	487	489	429	428	432	434	51	53	55	55	234
12	491	498	507	519	438	445	455	478	53	54	52	41	288
13	541		584	600	502	530	539	550	39		44	50	323
14	627	660	683	698	594	629	650	661	33	30	32	38	298
15	692	686	670	654	660	659	646	621	32	27	24	33	259
16	645	624	612	596	613	593	576	555	32	31	35	42	288
17	585		554	525	546	540	521	489	38		32	37	284
18	491	460	436	412	444	427	397	371	47	34	39	41	332
19		374	347	324	337	319	307	284		54	39	40	270
20	303	283	272	264	256	226	215	207	47	57	57	57	304
21	259	250	240		203	199	192	183	56	51	48		241
22	206	194	178	164	167	151	137	116	38	43	42	48	240
23	145	128	114	102	94	85	75	64	51	43	39	38	182

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-6:PALEHUA ELECTRON CONTENT 10**15 E/M**3 27 DEC 1975

	TOTAL				FARADAY				PLASMASPHERE				S.T.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	91	84	78	75	51	43	36	34	40	42	42	41	210
1	74	73	72	73	33	33	33	33	42	41	39	40	200
2	72	72	73	71	32	30	30	29	41	42	44	42	198
3	69	68	66	64	28	24	22	18	41	44	44	45	184
4	62	61	62	62	16	16	16	16	45	45	46	45	206
5	64	66	68	70	18	19	21	23	46	46	47	48	188
6	75	82	94	115	26	33	43	67	49	49	51	48	226
7	144	192	234	269	88	141	184	203	57	51	50	66	183
8	296	322	350	381	247	269	298	322	49	53	52	58	211
9	415	450	486	514	366	405	428	467	48	45	58	47	223
10	532		592	610	489	515	532	549	43		61	61	246
11	638	657	669	671	594	614	628	631	44	43	41	40	258
12	670	679	685	688	635	641	643	644	35	38	41	44	294
13	683	685	692	694	644	646			39	38			333
14	693	680	653	637		649	623	604		31	30	33	
15	602			548	566		529		36				289
16	550	545	528	501	518	512	496	469	31	33	33	32	260
17	466	434		381	431	398	366	337	35	36		44	270
18	348	317	296	278	307	279	249	224	42	38	47	54	246
19	254			203	202	186	167	160	53			42	207
20	202	200	199	198	154	154	152	153	48	46	47	45	289
21	198	199	199	198	150	150	153	153	48	48	45	44	283
22	197	194	184	169	151	149	142	123	46	45	43	46	205
23	140	119	106	100	85	72	62	51	56	47	45	49	150

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO CONTENT ANGLE 49 SAT. LATITUDE

ATS-5:PALEHUA ELECTRON CONTENT 2X DB[illegible]
10**15 E/M**3

	TOTAL				FARADAY				PLASMASPHERE				S.I.
HST	00	15	30	45	00	15	30	45	00	15	30	45	KM.
0	91	85	80	78	39	36	31	29	52	49	49	49	[illegible]
1	77	76	76	76	28	28	27	26	50	49	49	50	194
2	76	75	74	74	25	25	24	24	51	50	50	51	253
3	74	73	70	69	23	23	21	18	51	51	50	50	219
4	68	67	65	64	15	13	13	12	52	53	52	52	305
5	64	65	66	68	11	12	13	15	52	53	53	52	308
6	69	75	85	105	18	23	32	56	52	52	53	50	242
7	133	174		263		123	170	198		51		65	
8	299	346		427	248	294	326	372	51	51		52	[illegible]
9	465	499	519	533	412	444	474	484	53	55	45	49	238
10	549		600	628	506	525	541	580	43		59	48	254
11	646	654	653	652	602	609	609	607	44	45	44	45	258
12	658	671	668	681	612	633	626	640	46	38	42	41	292
13	701	710			655				46				335
14	781	799	818	807									
15	806	768		716		733	713	675		36		41	
16	696	660	610		662			534	34				306
17	529	496	452	411	496	458	417	372	33	39	35	39	245
18	363	300	256		319			183	44				194
19	202	195	193	191	154	144	142	141	48	51	51	50	299
20	192	196	202		140	147	156	166	52	48	46		348
21		204	199	192	168	158	155	151		46	43	41	287
22	180				139				41				200
23													

4.860E 14 CONTENT PER DEGREE 6.250E 14 CORRECTED FOR
269 ZERO-CONTENT ANGLE 49 SAT. LATITUDE

PLASMASPHERIC, FARADAY,

AND

TOTAL ELECTRON CONTENTS

GRAPHS - 1978

ATLAS OF ELECTRON CONTENT PLOTS - 1978

This Atlas contains diurnal plots of total, Faraday and plasmaspheric electron contents of the ionosphere of a slant ray path from the geostationary satellite ATS-6 to Hawaii. A companion volume contains data values at 15 minute intervals.

The nominal position of ATS-6 during 1978 was 0°N, 140°W, at a geocentric radius of 42.2Mm. The receiver was located at the Palehua Solar Observatory (21.4°N, 158.1°W) on the island of Oahu. Sub-ionospheric points at several altitudes along the ray path are shown in Figure 1. The geographic coordinates of the 400 Km point are (20.0°N, 156.8°W).

Each dated plot is based on Hawaiian time (HST = UT - 10), and thus contains data from UT = 10 of the date shown to UT = 10 of the day following the date shown. The total content (lower solid curve) was obtained from modulation-phase measurements using a Teledyne receiver and a student-built preamplifier. The Faraday content (dashed curve) was deduced from polarization twist measured by Aldi Polarimeter, and assuming an effective layer height of 370 Km. The Plasmaspheric content (upper curve) is the difference (total - Faraday) of the above curves.

My appreciation goes to the students who put in many hours of work on this project, especially Ginni Mannion for her dedicated efforts in compiling and editing these data. I gratefully acknowledge the assistance, valuable discussions and support from Jack Klobuchar and AFGL (#F19628-28-C-0050), Richard F. Donnely and S. Dave Bouwer of S.E.L. - N.O.A.A., and the National Science Foundation.

Thomas H. Roelofs
Professor of Electrical Engineering

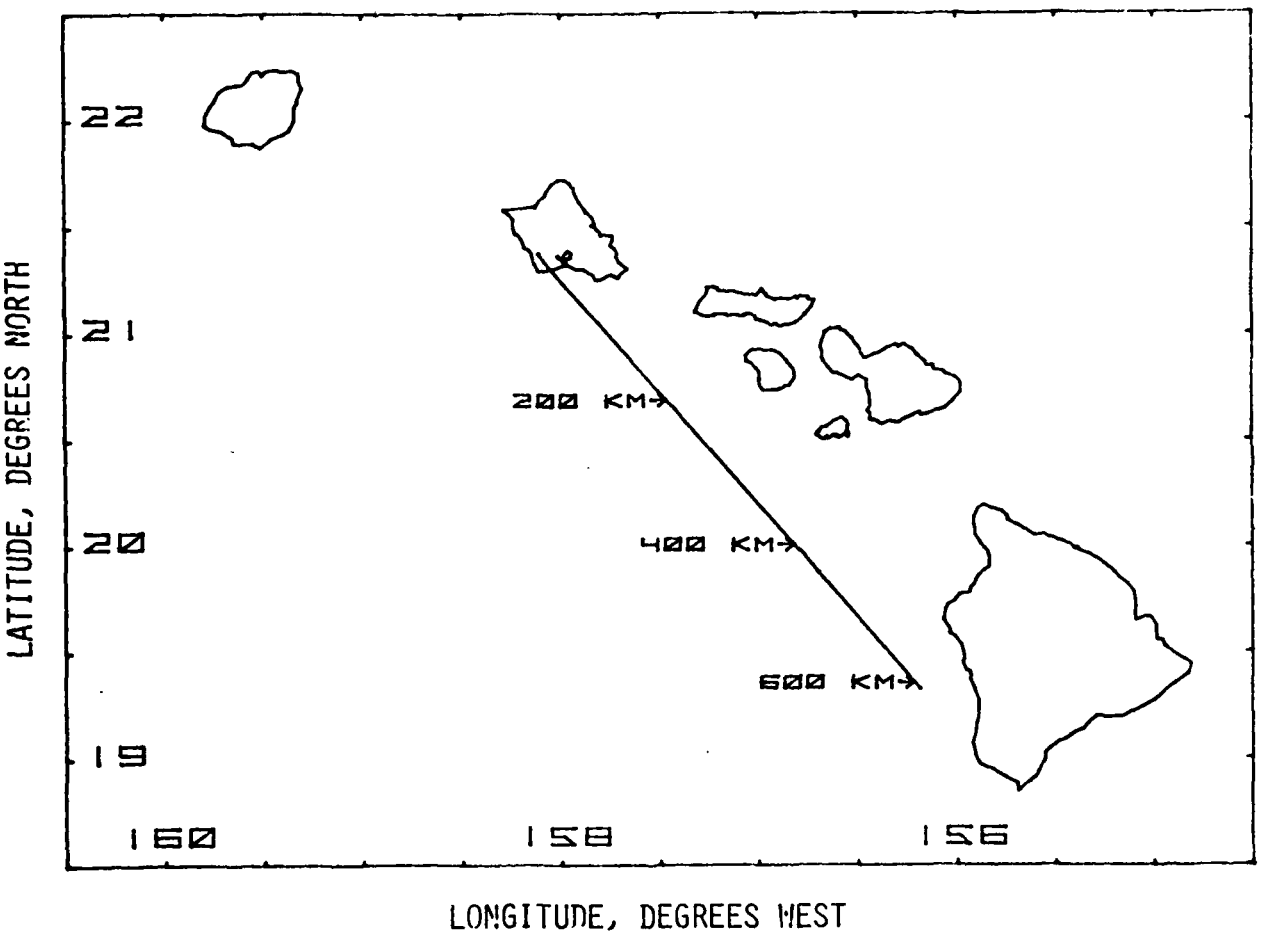
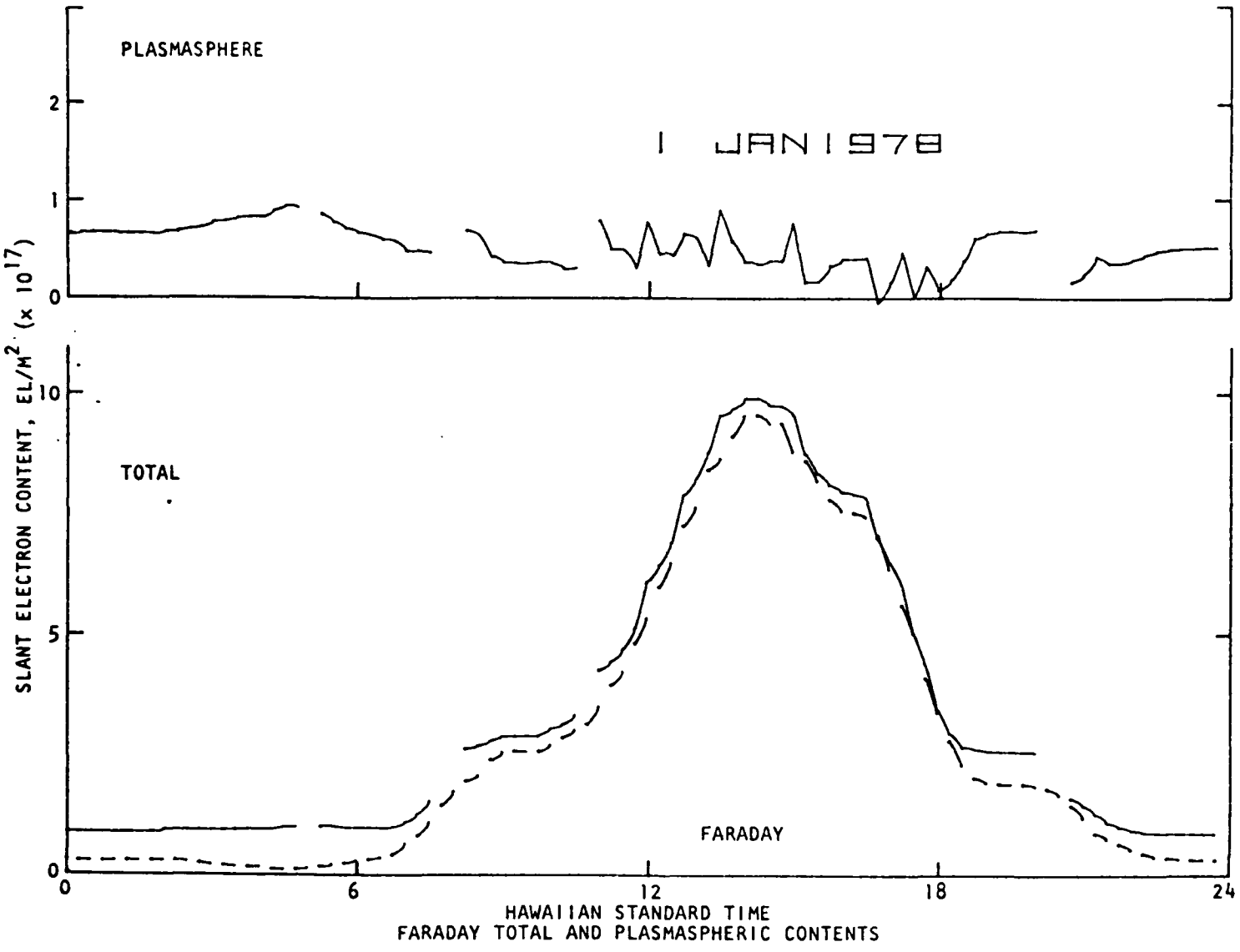
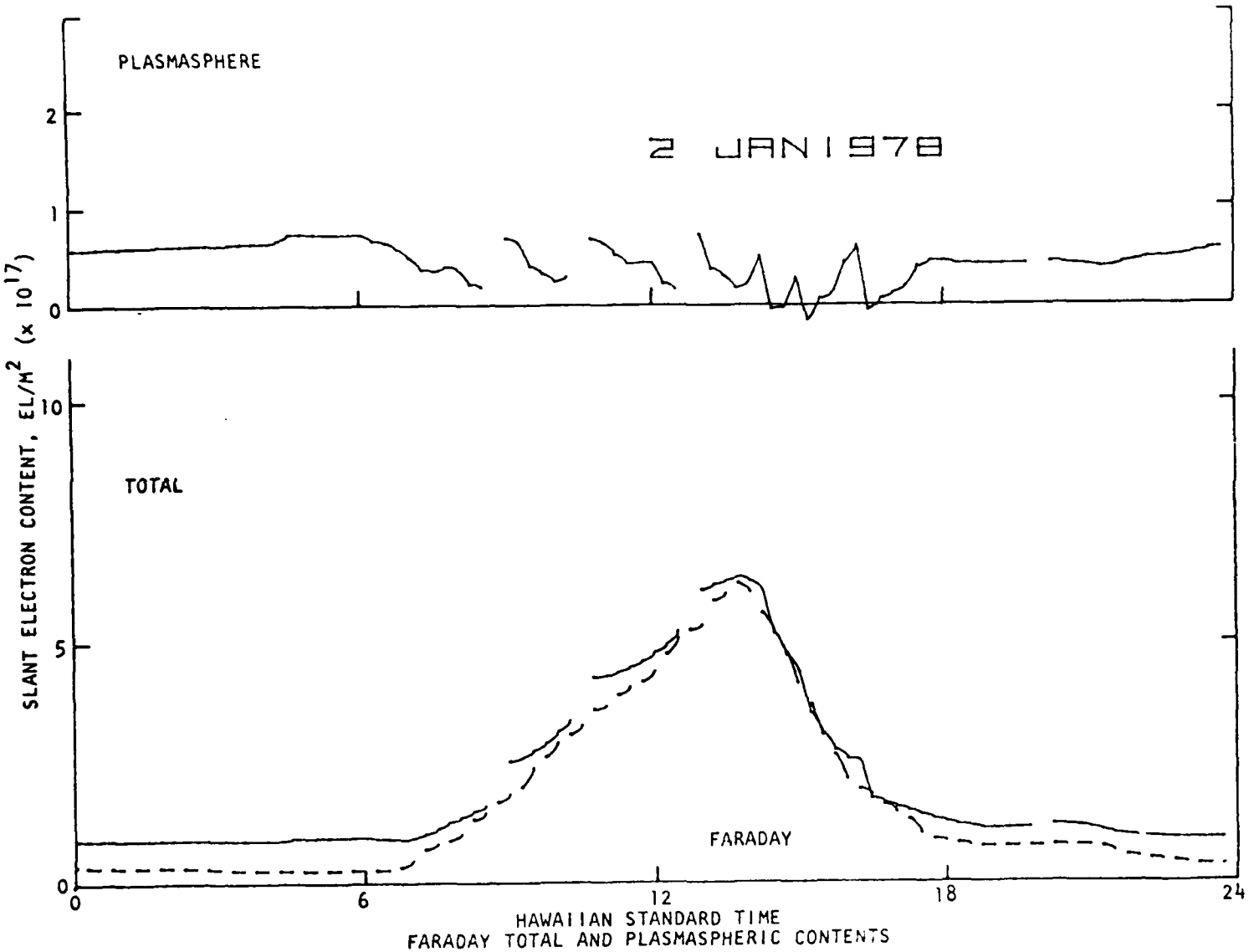


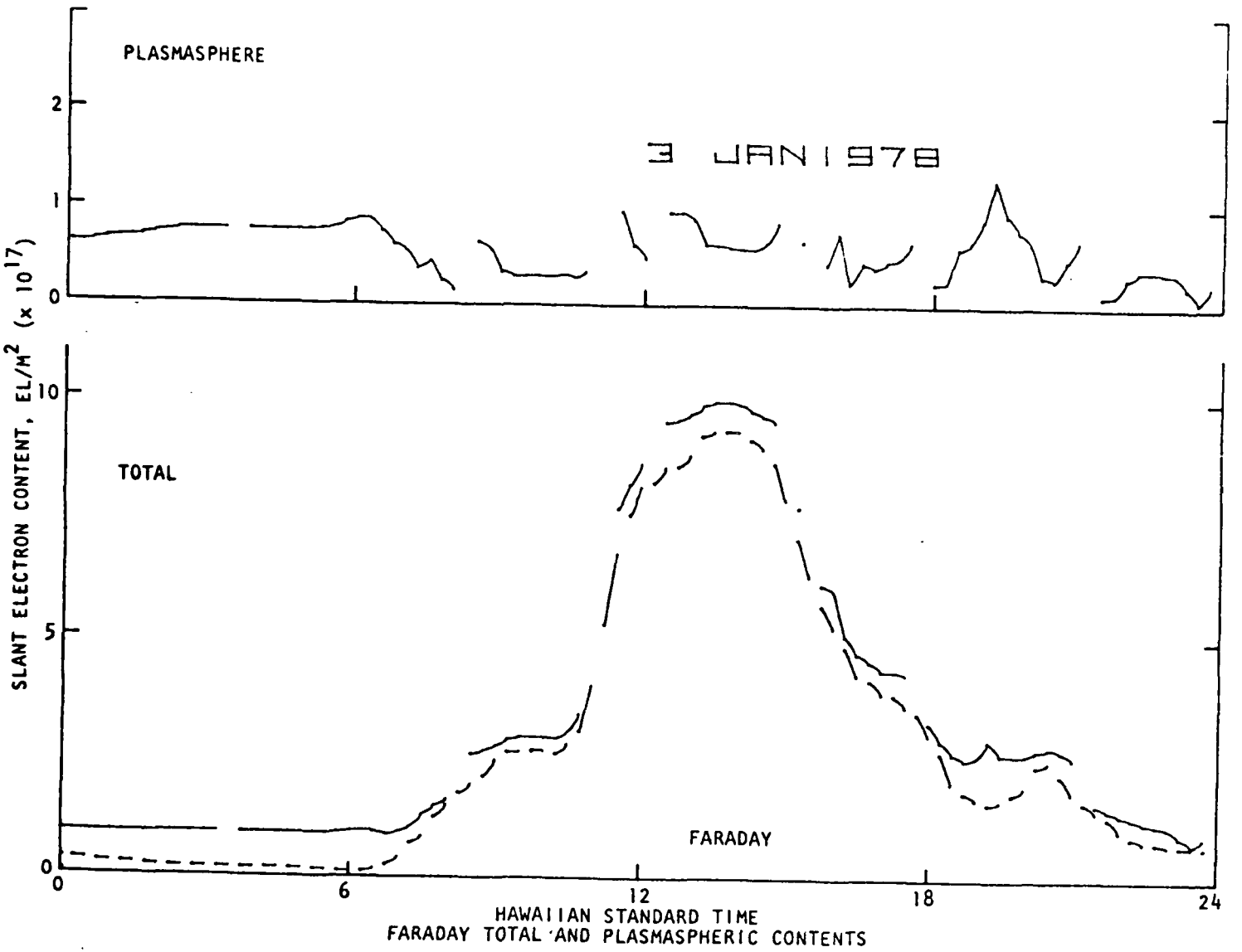
FIG. 1. Geographical Coordinates of sub-ionospheric points at several altitudes along the Palehua-ATS-6 ray path.



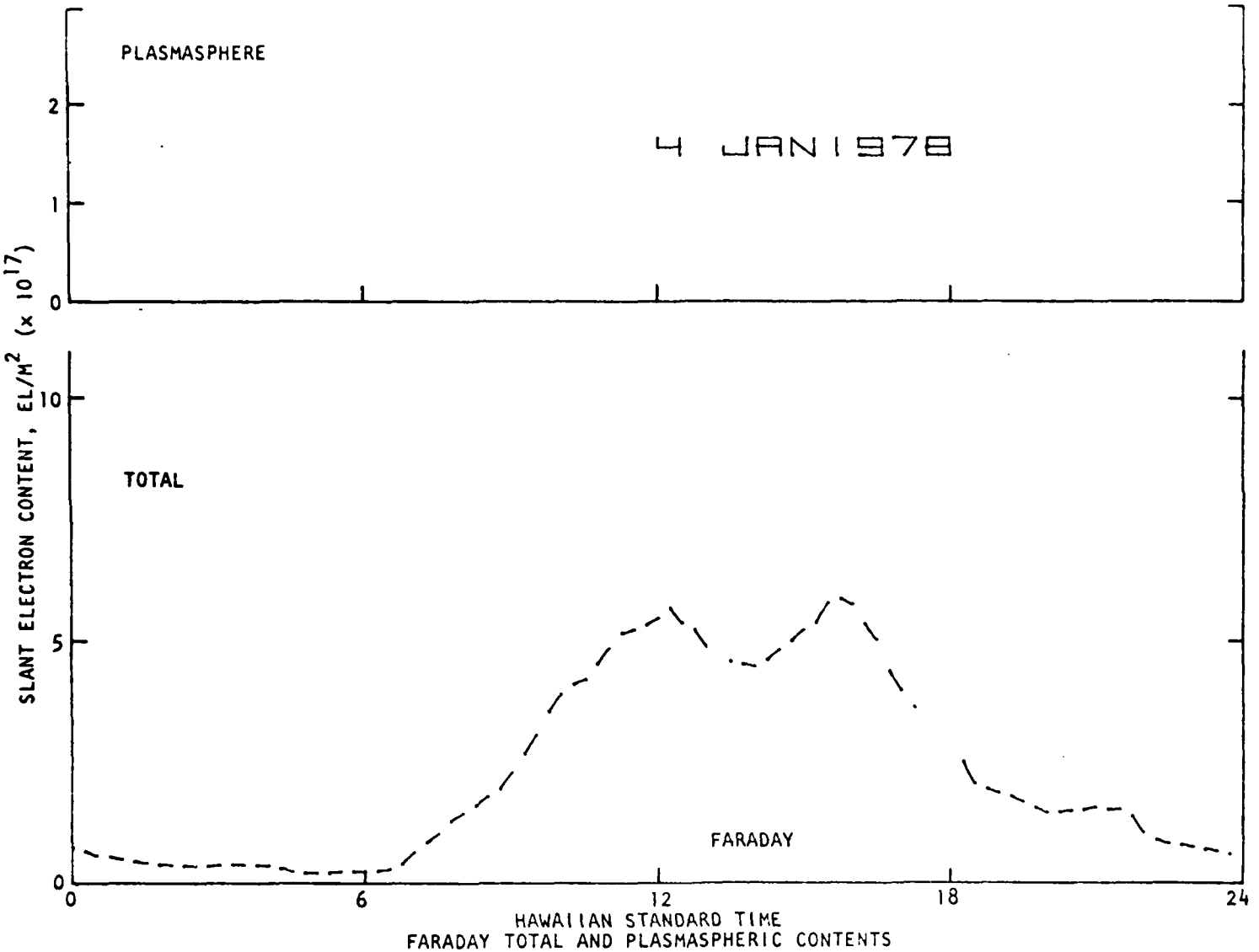
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



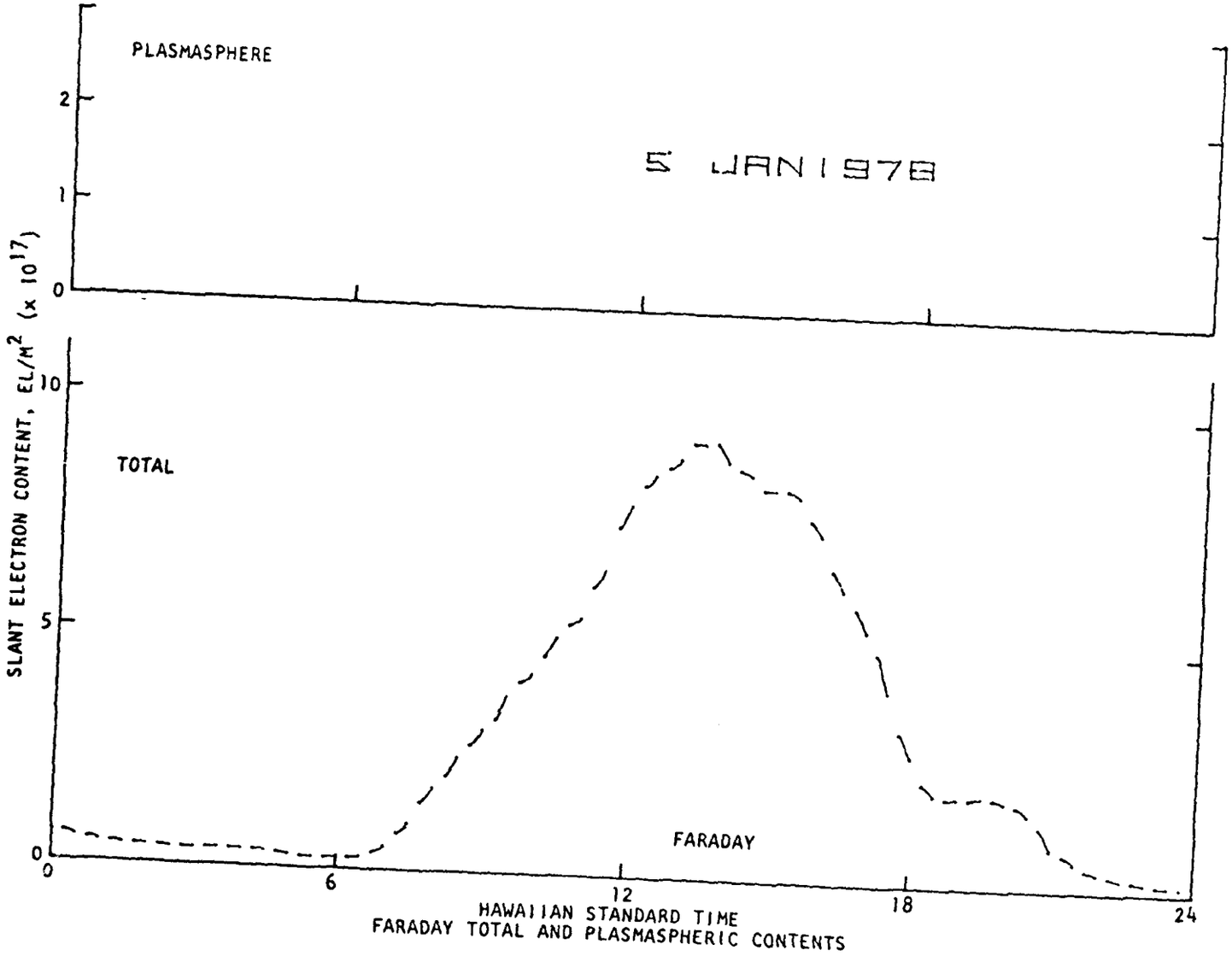
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



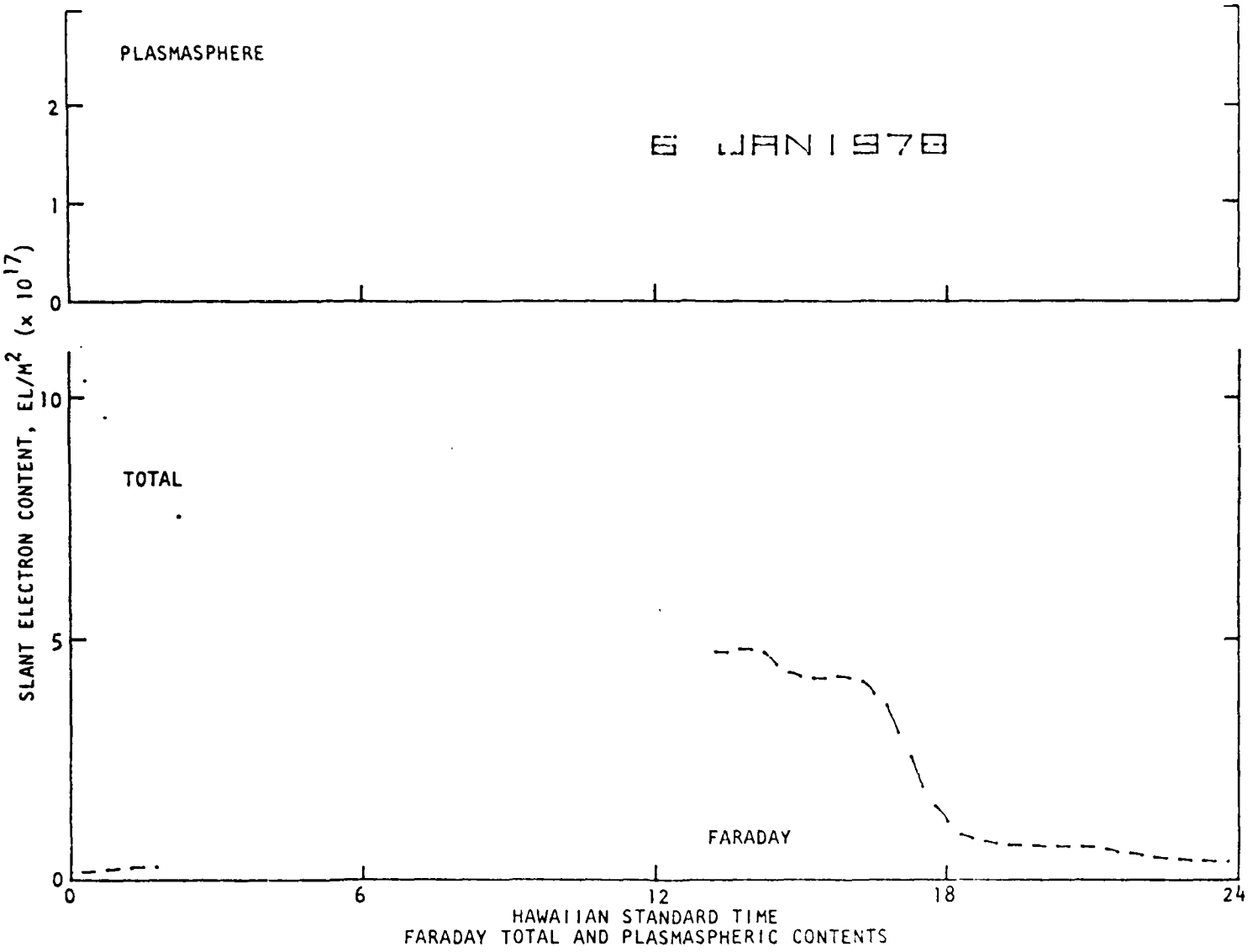
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



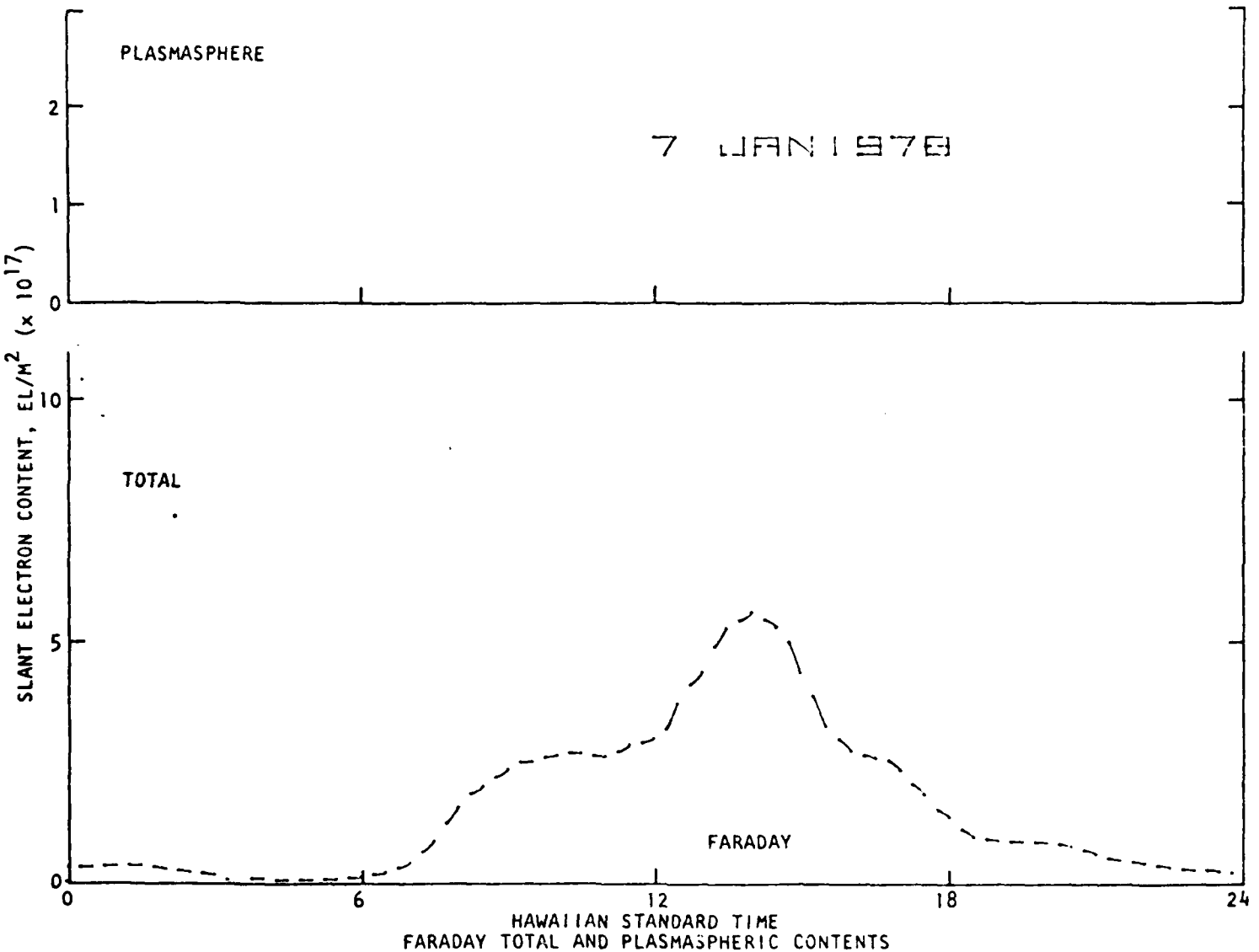
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



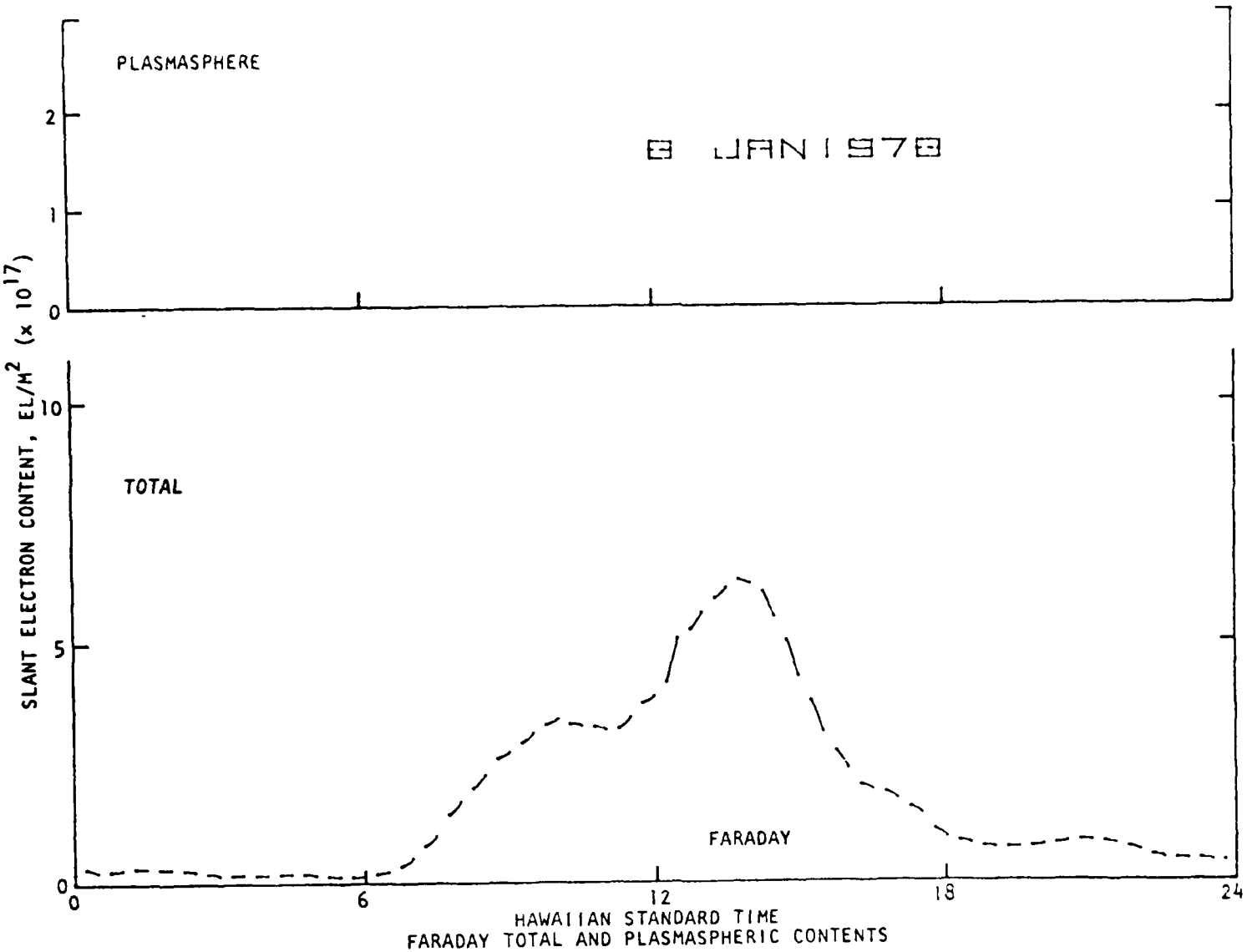
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



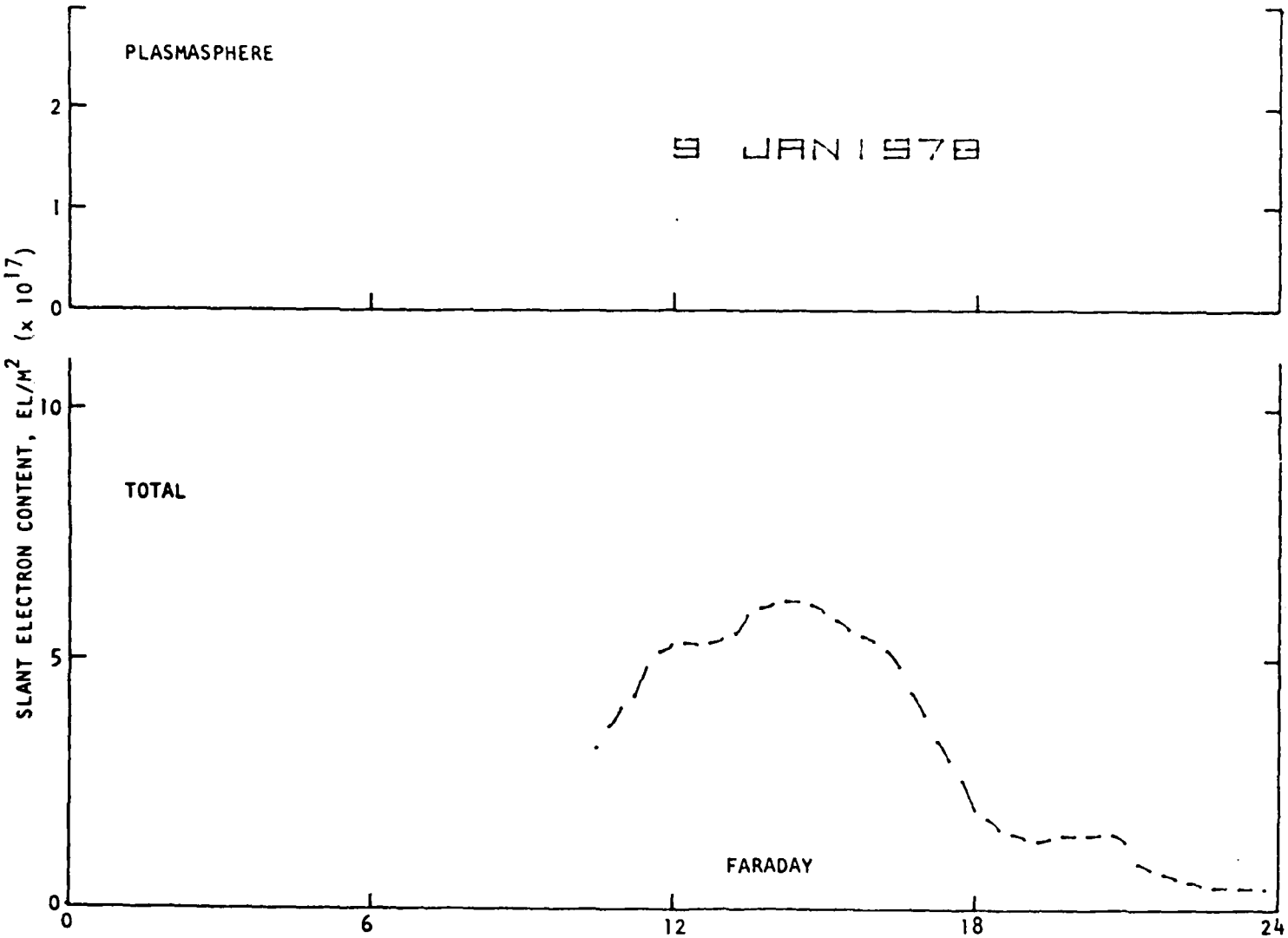
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



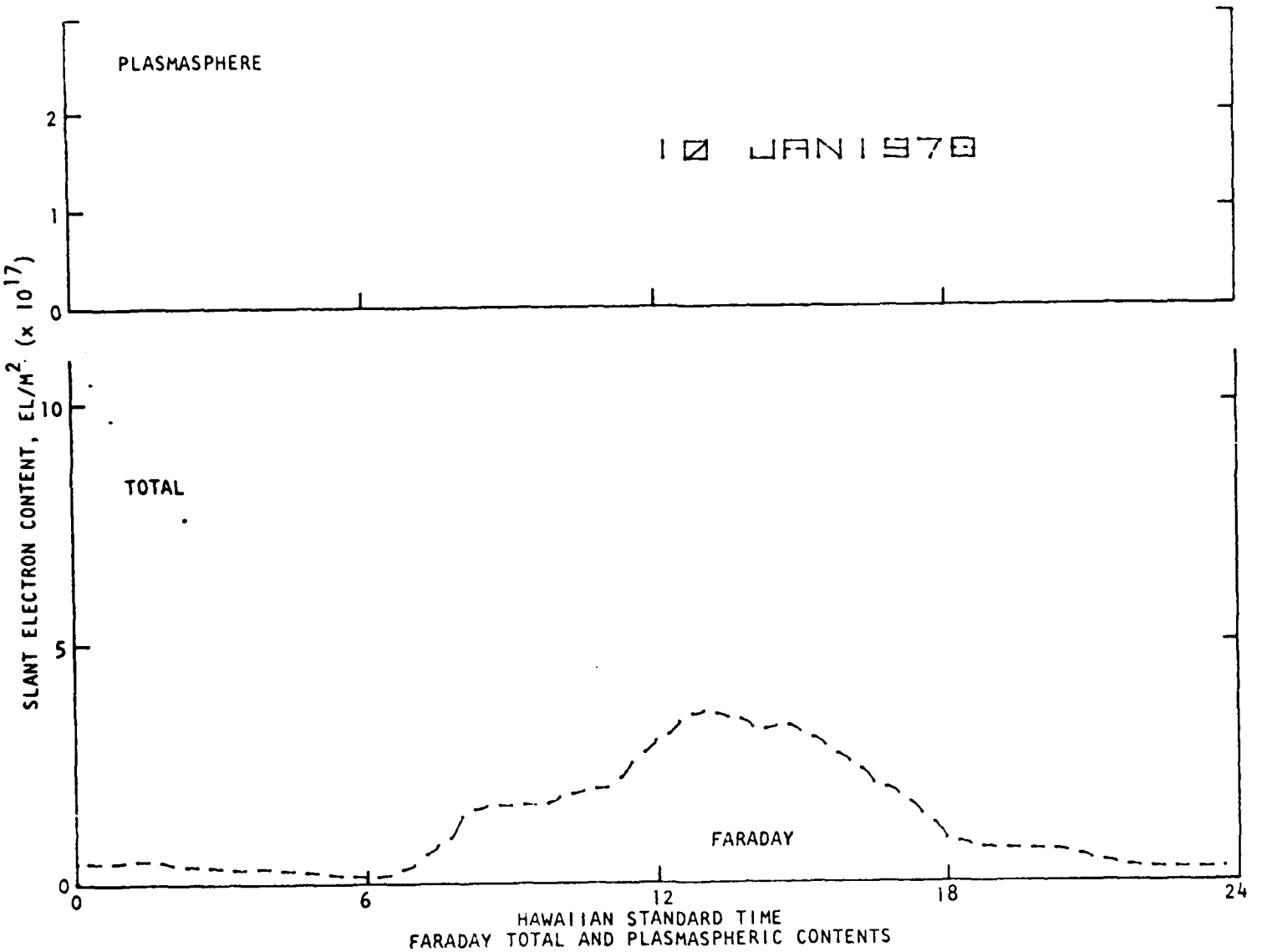
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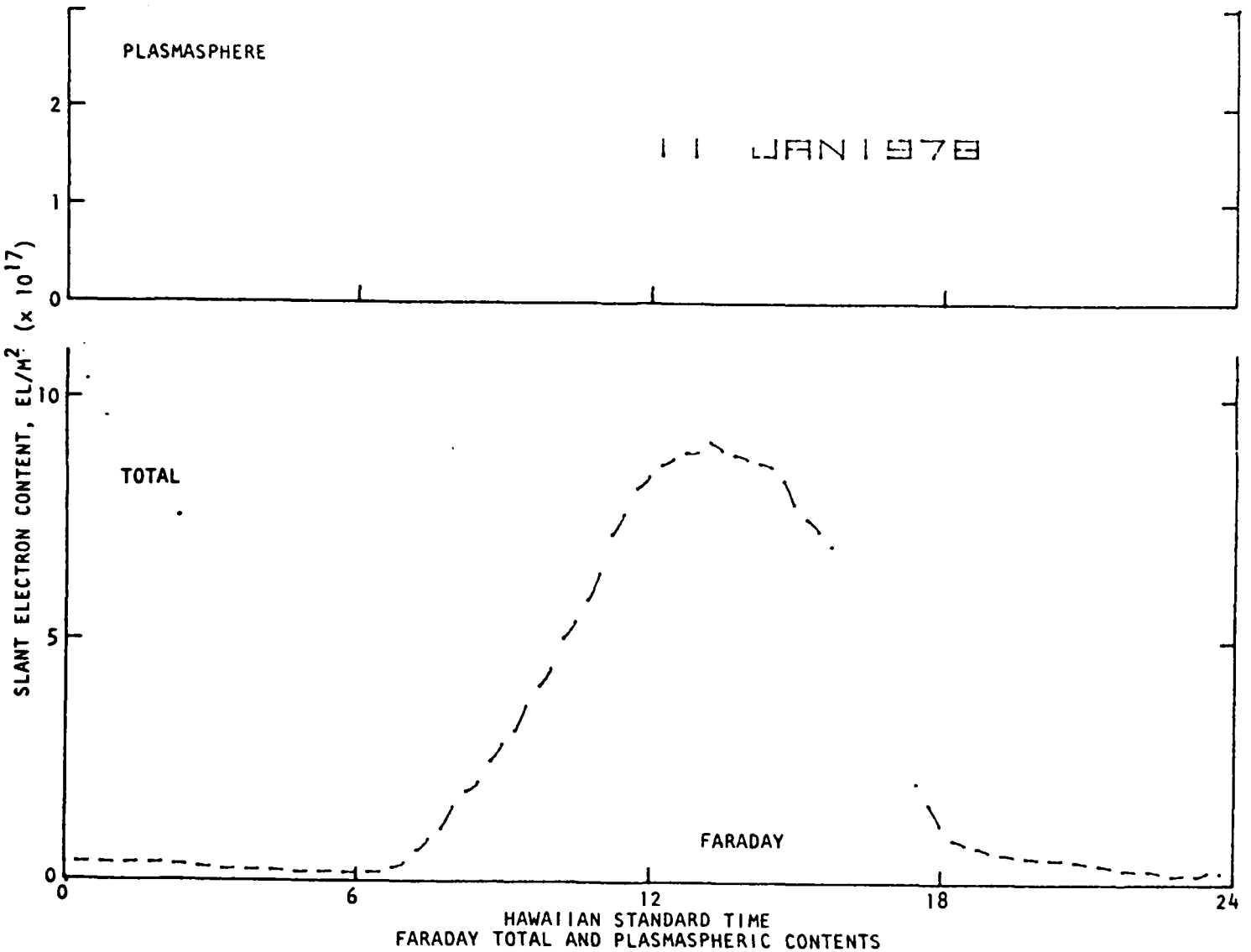
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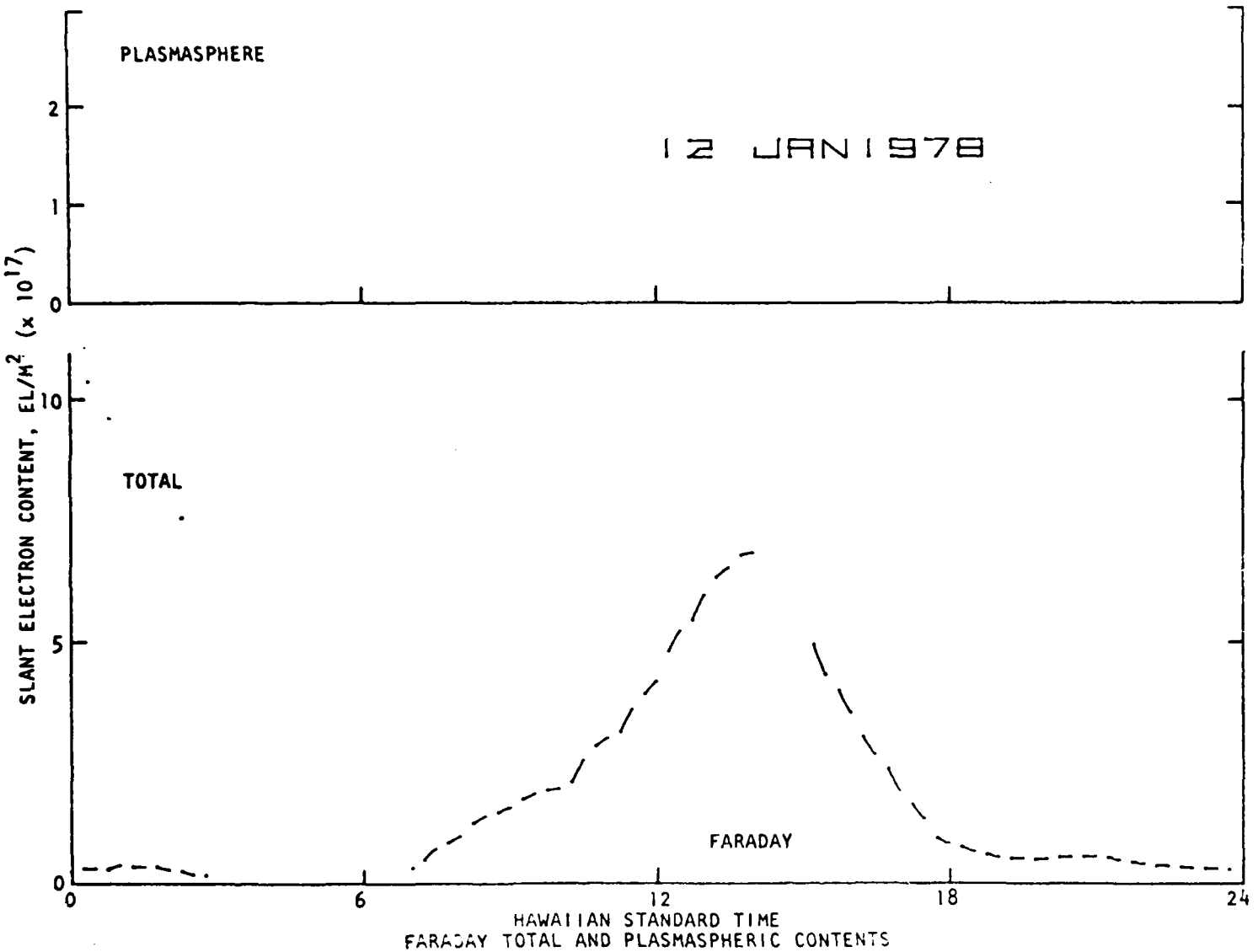
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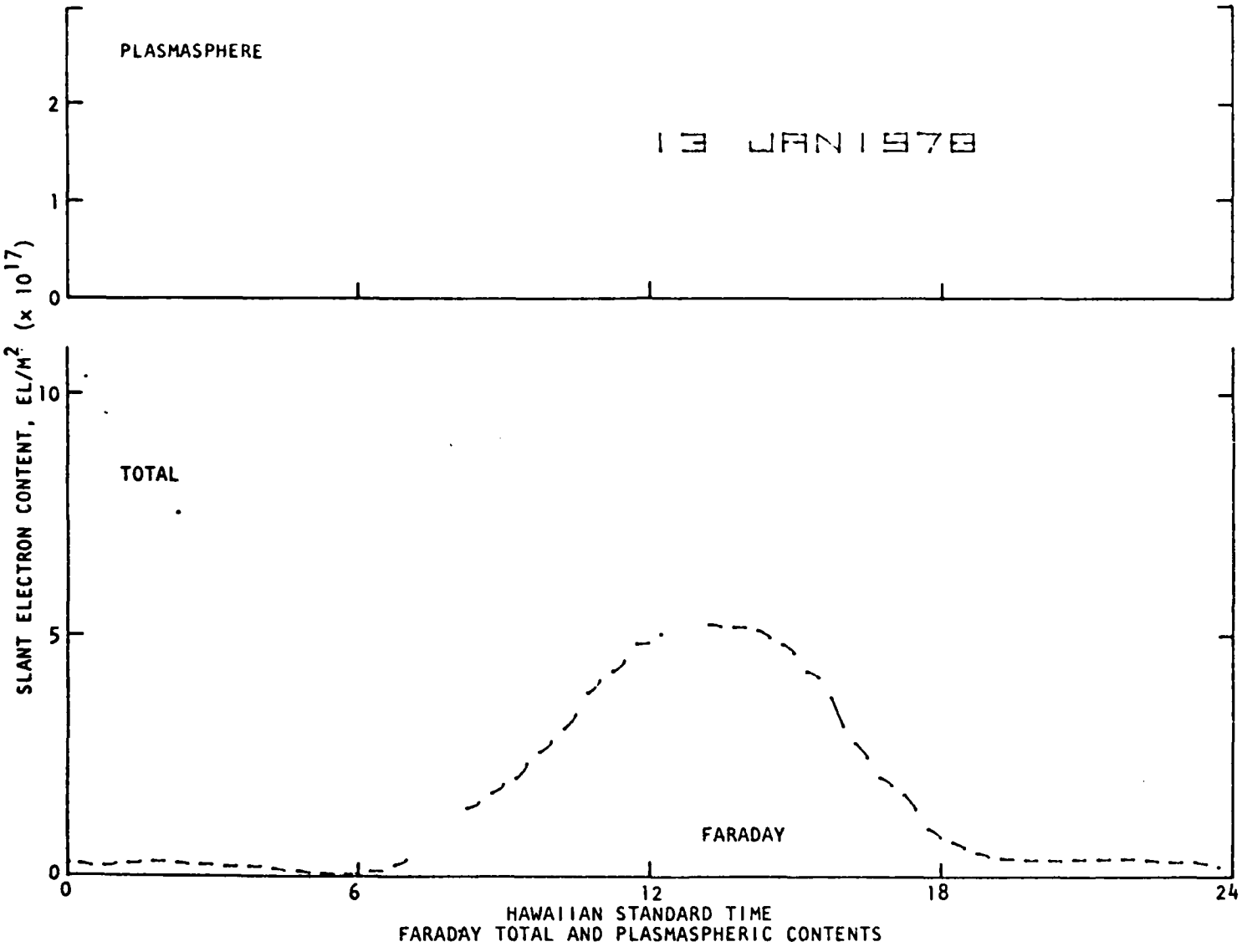
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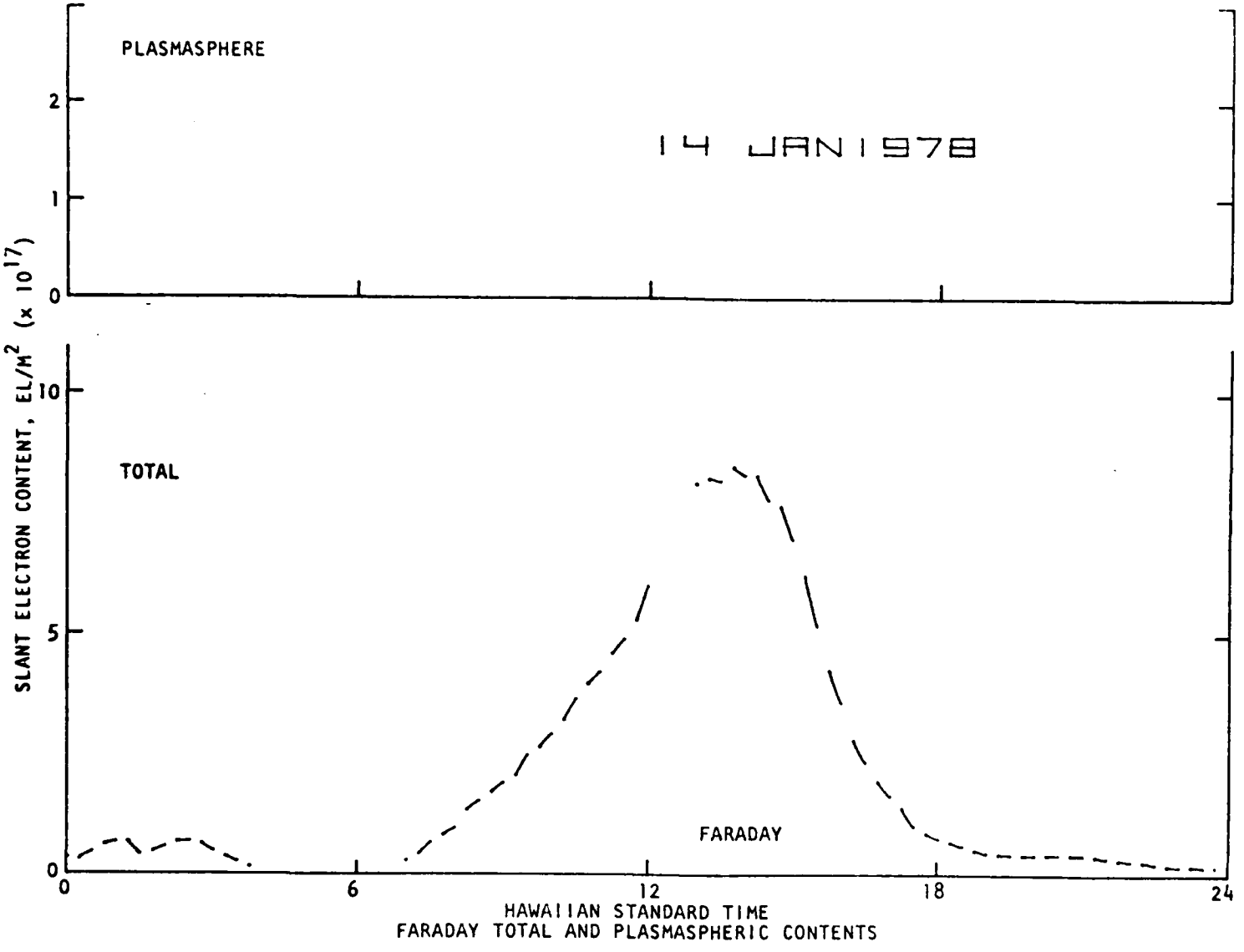
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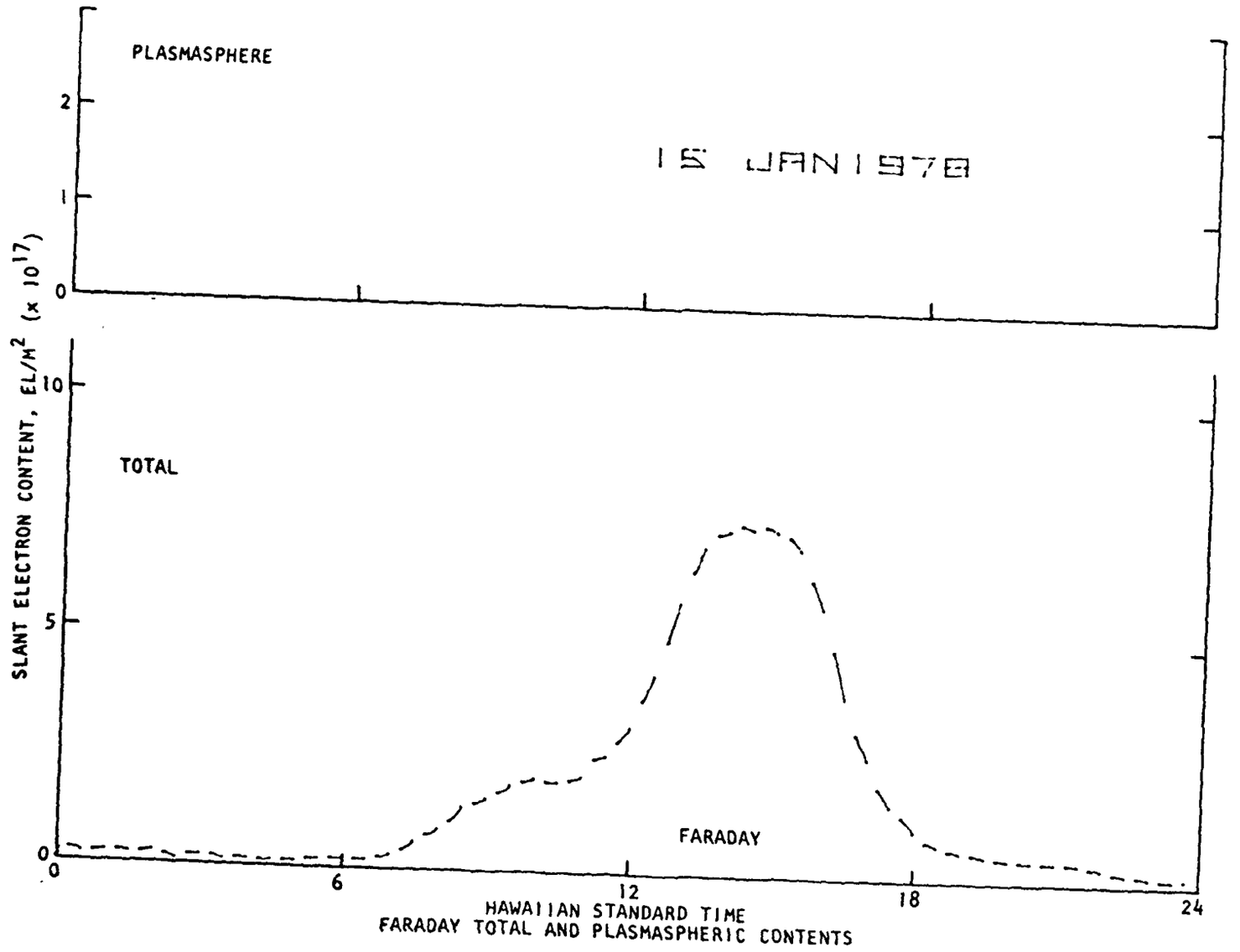
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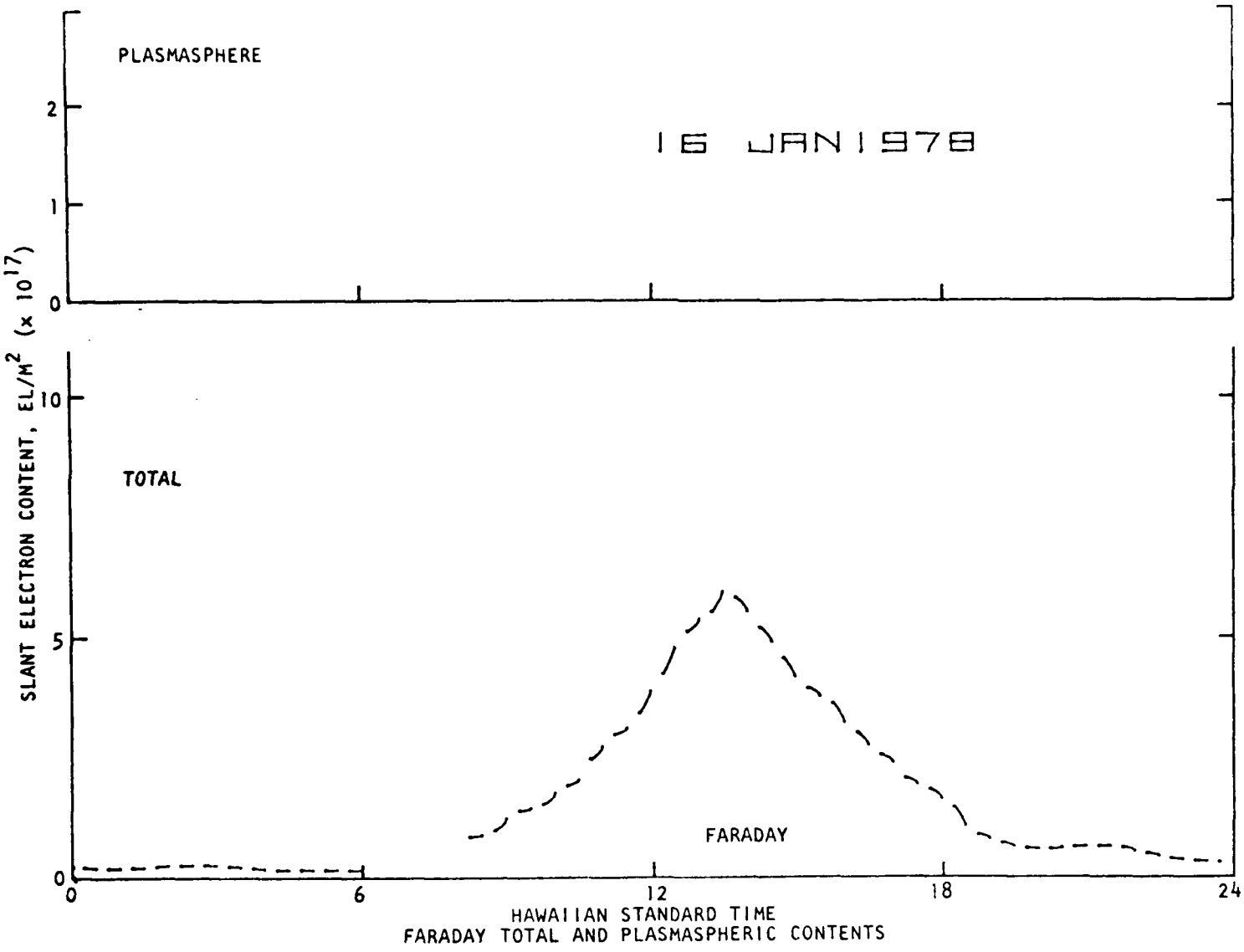
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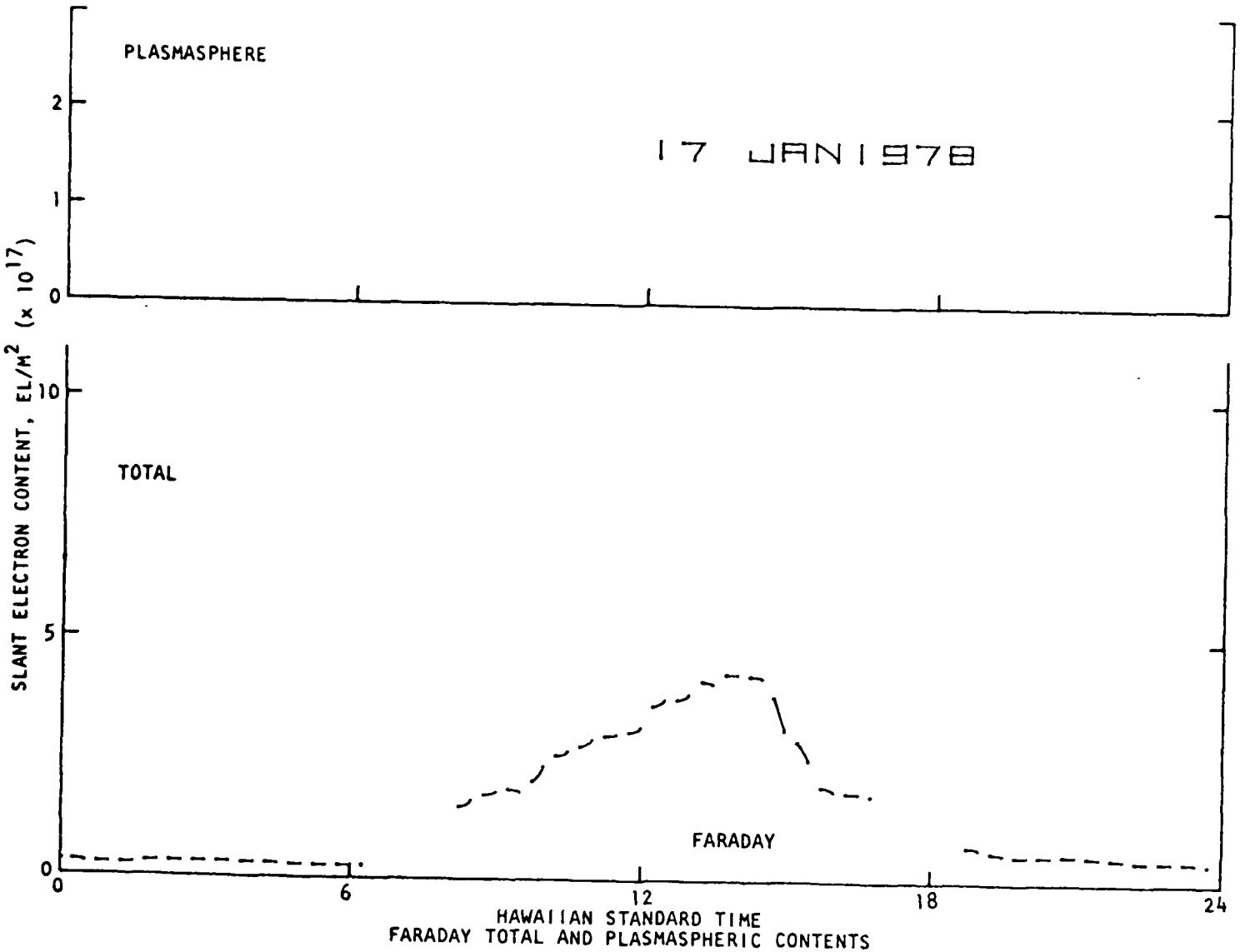
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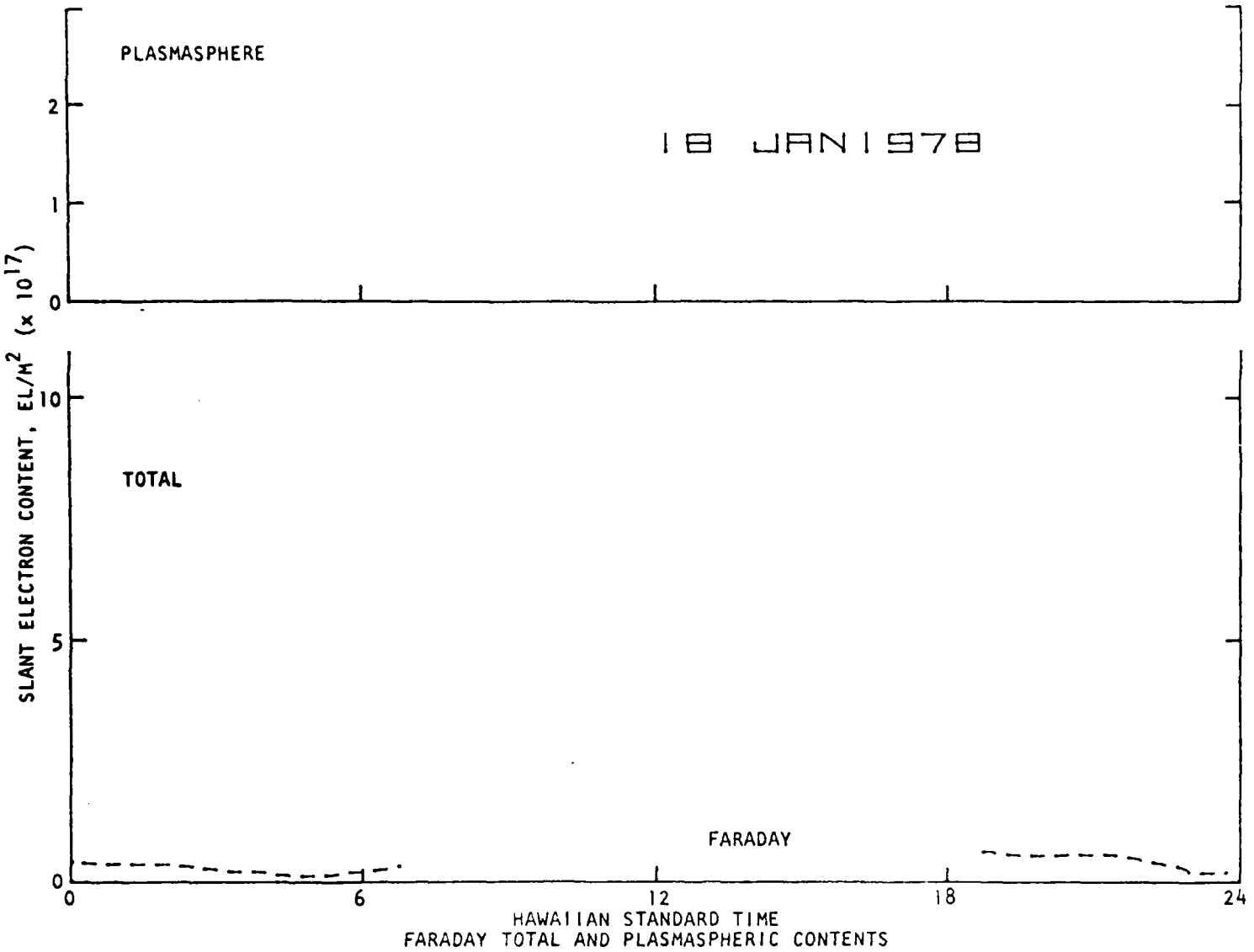
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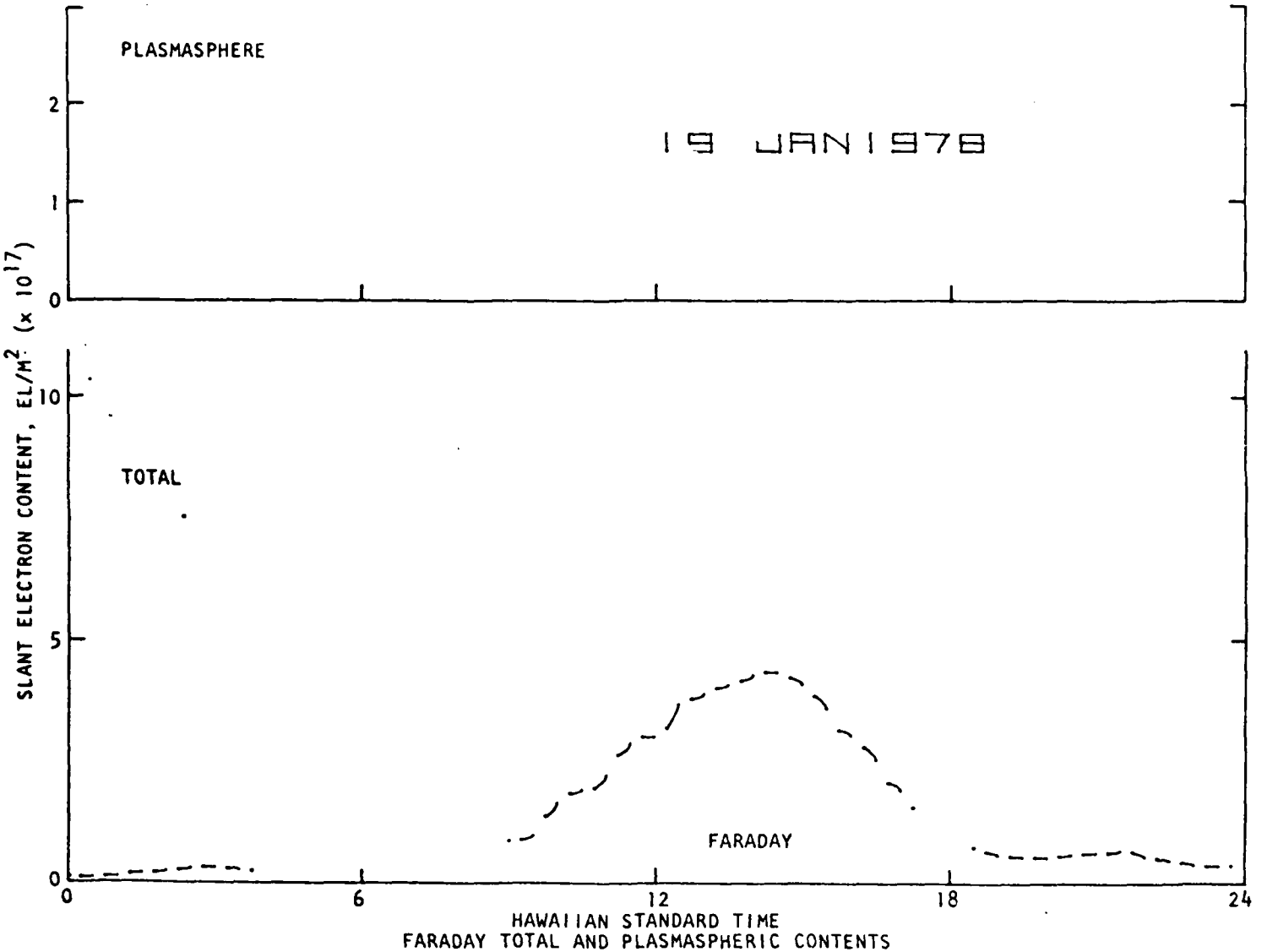
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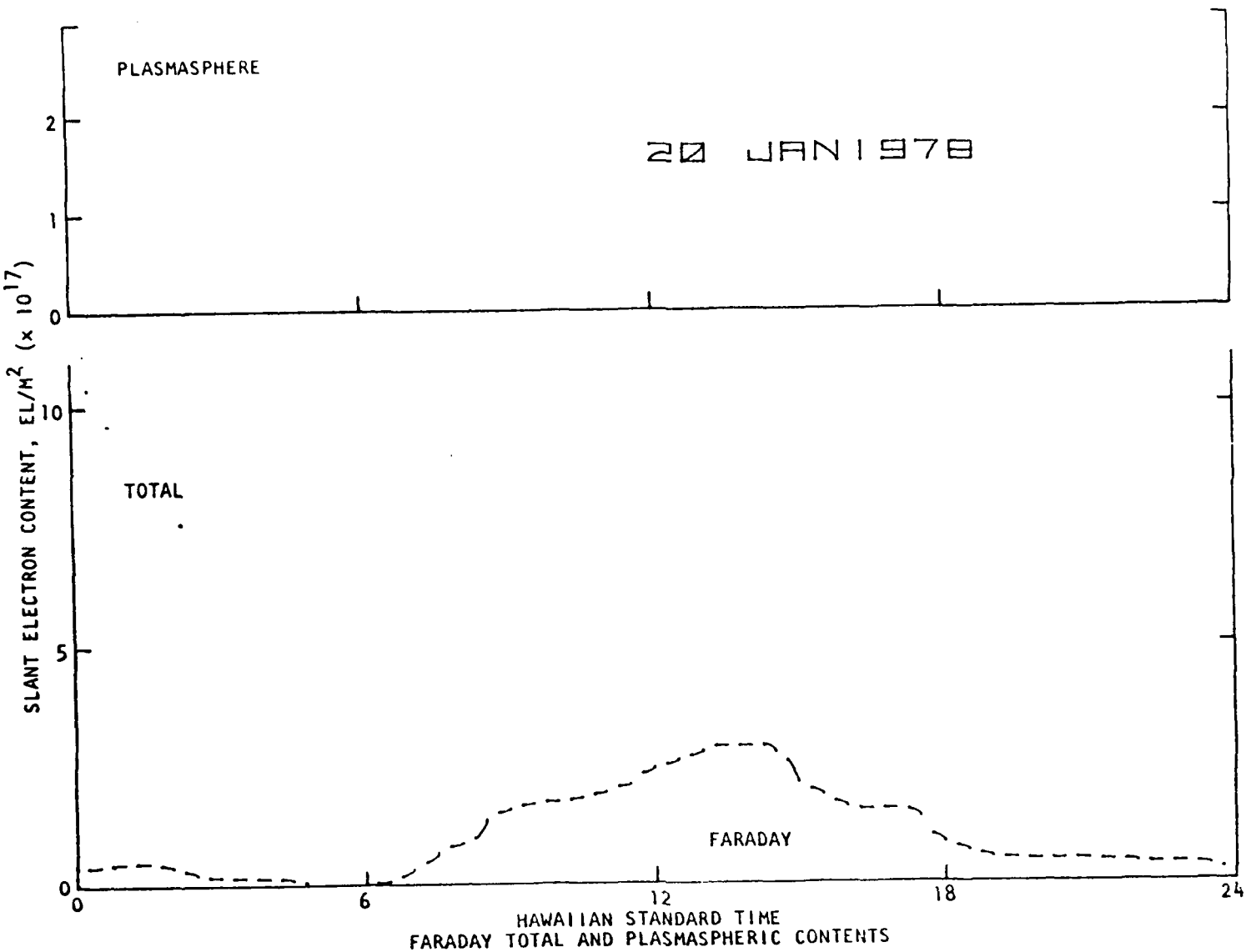
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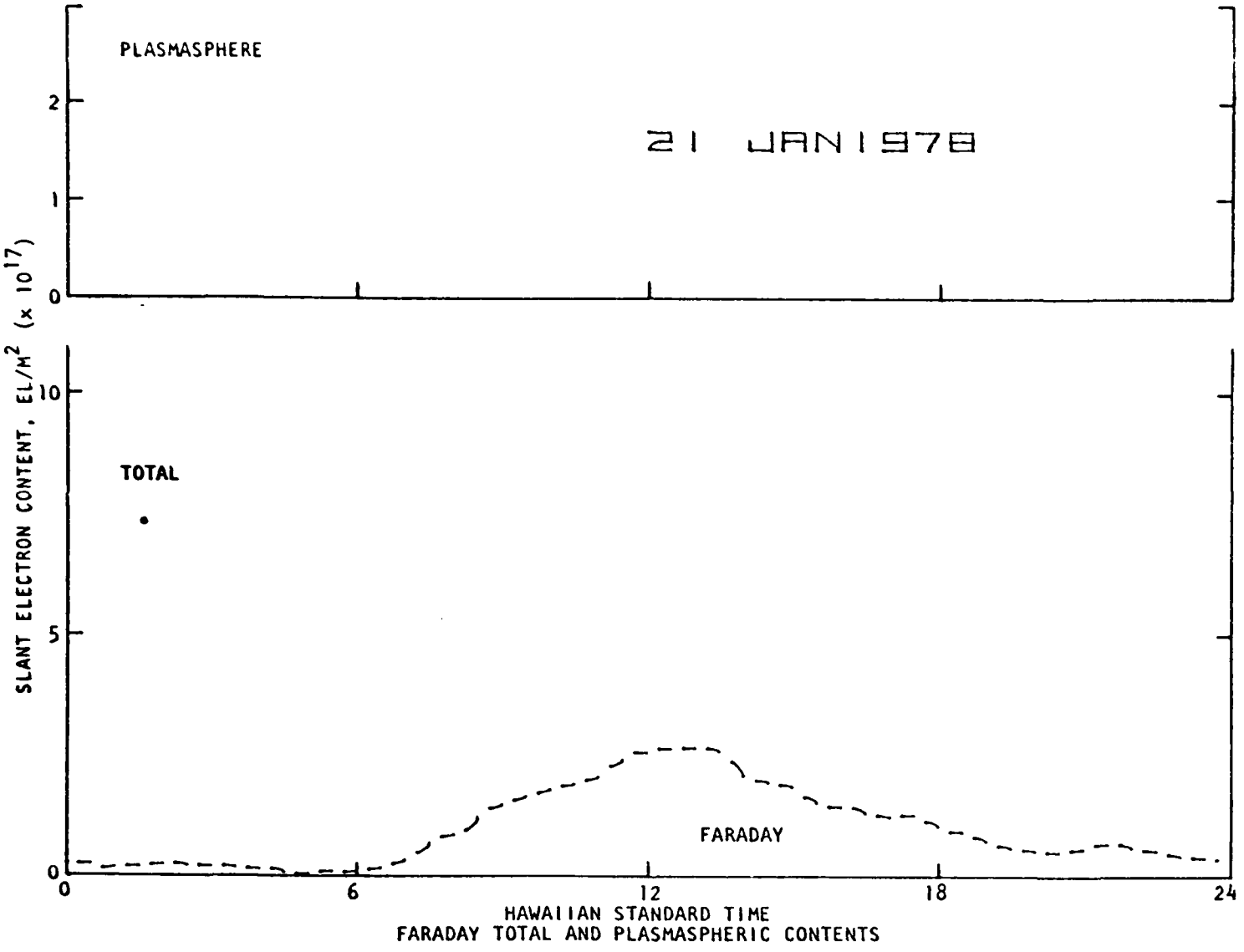
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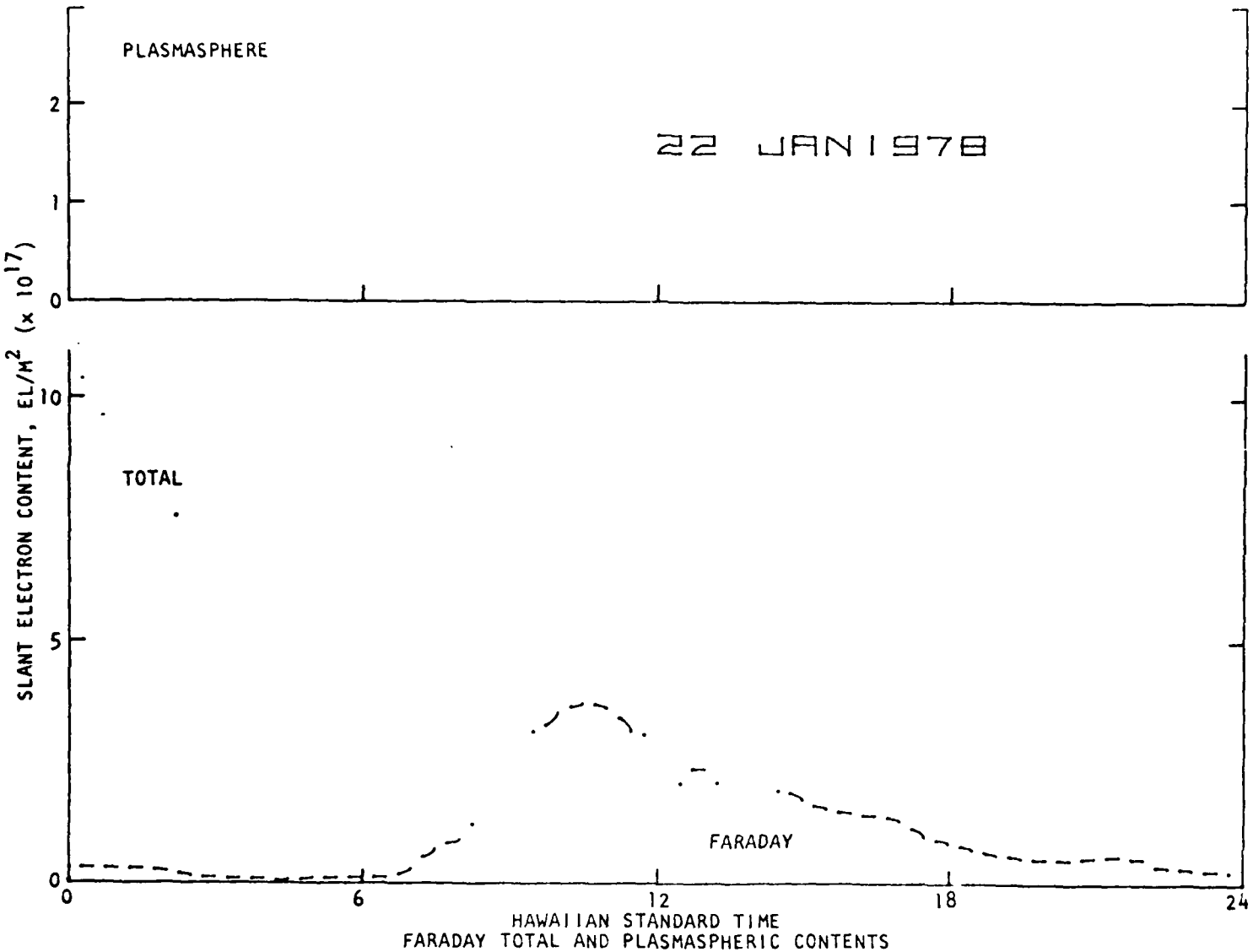
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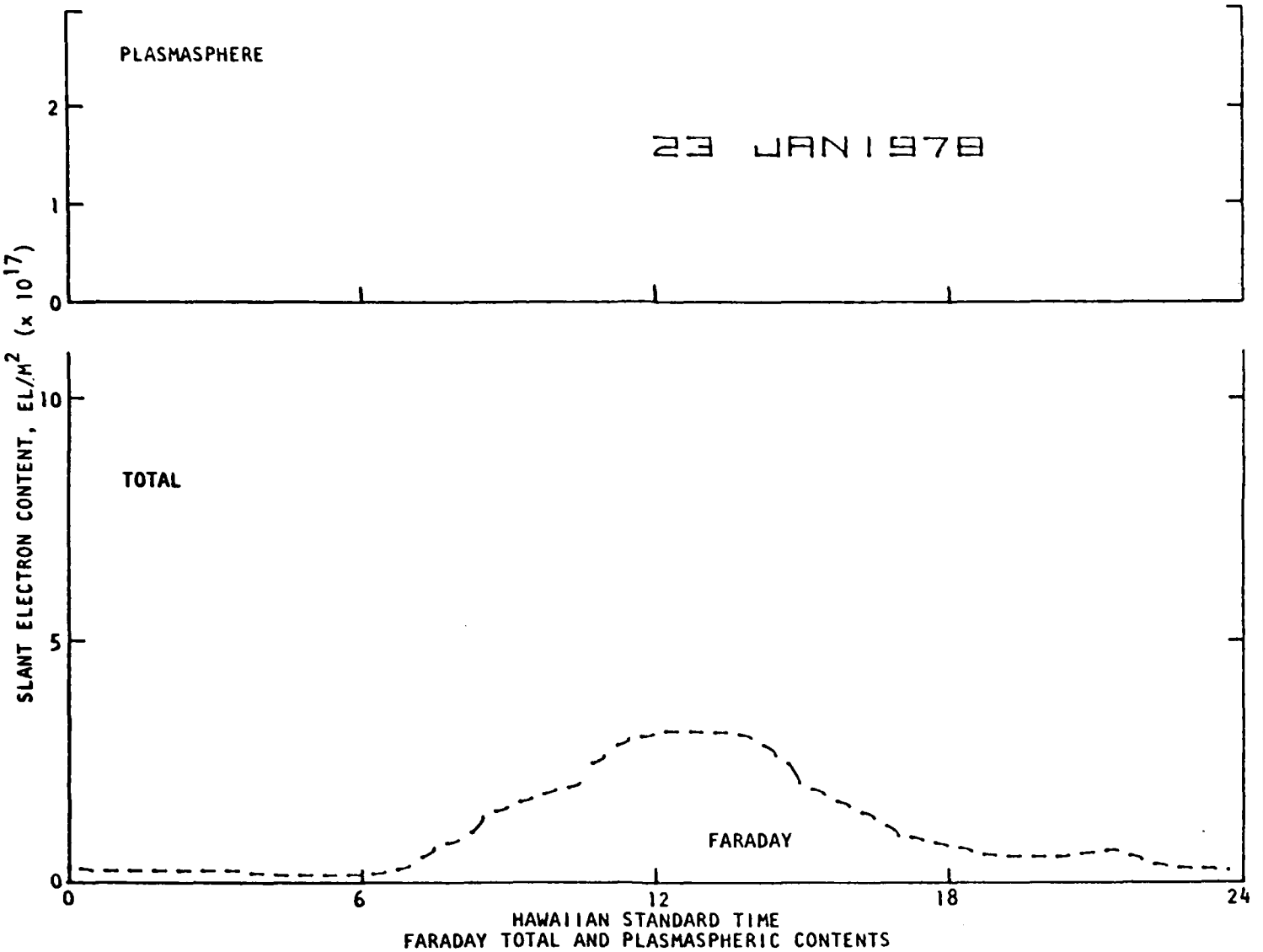
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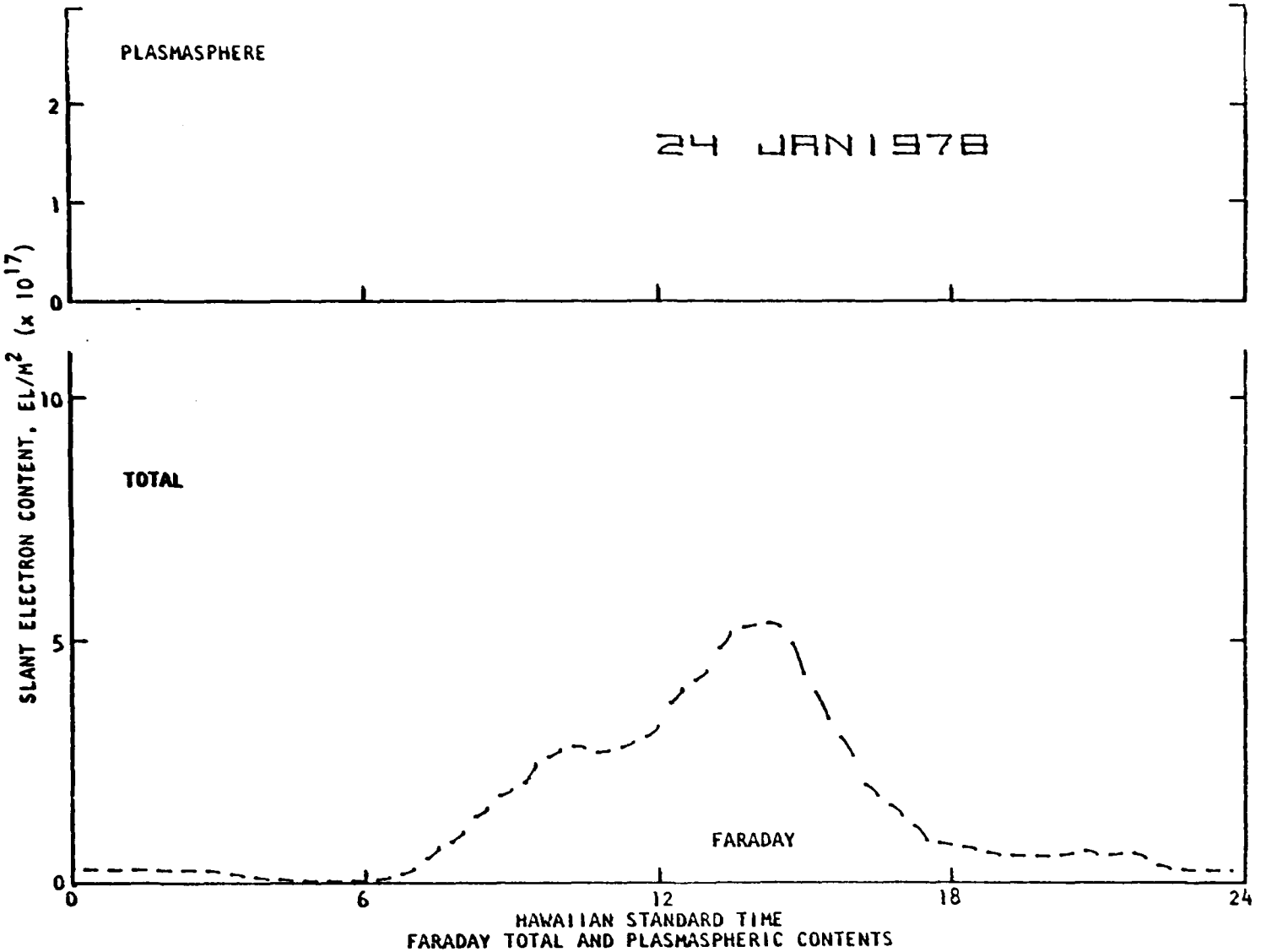
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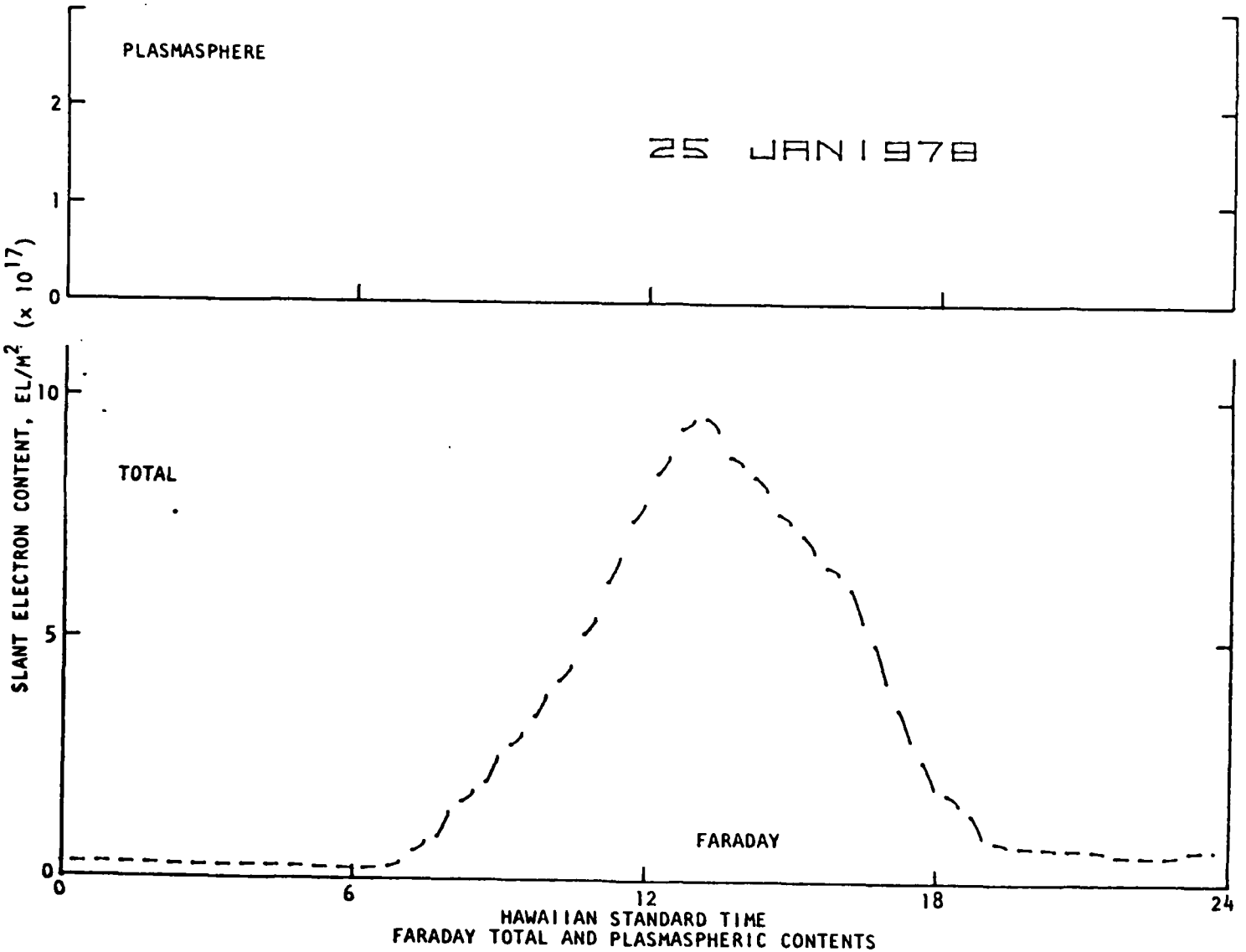
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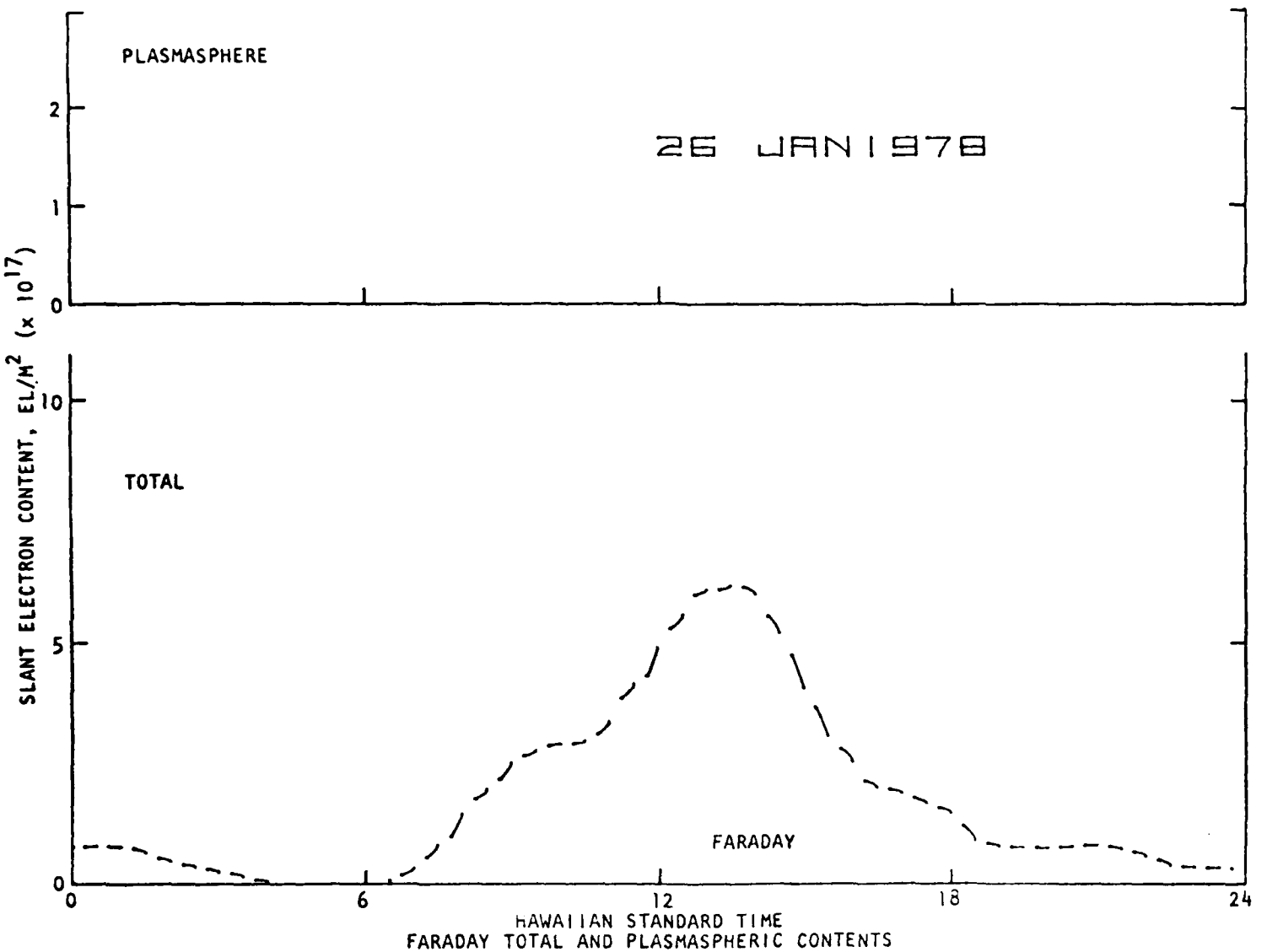
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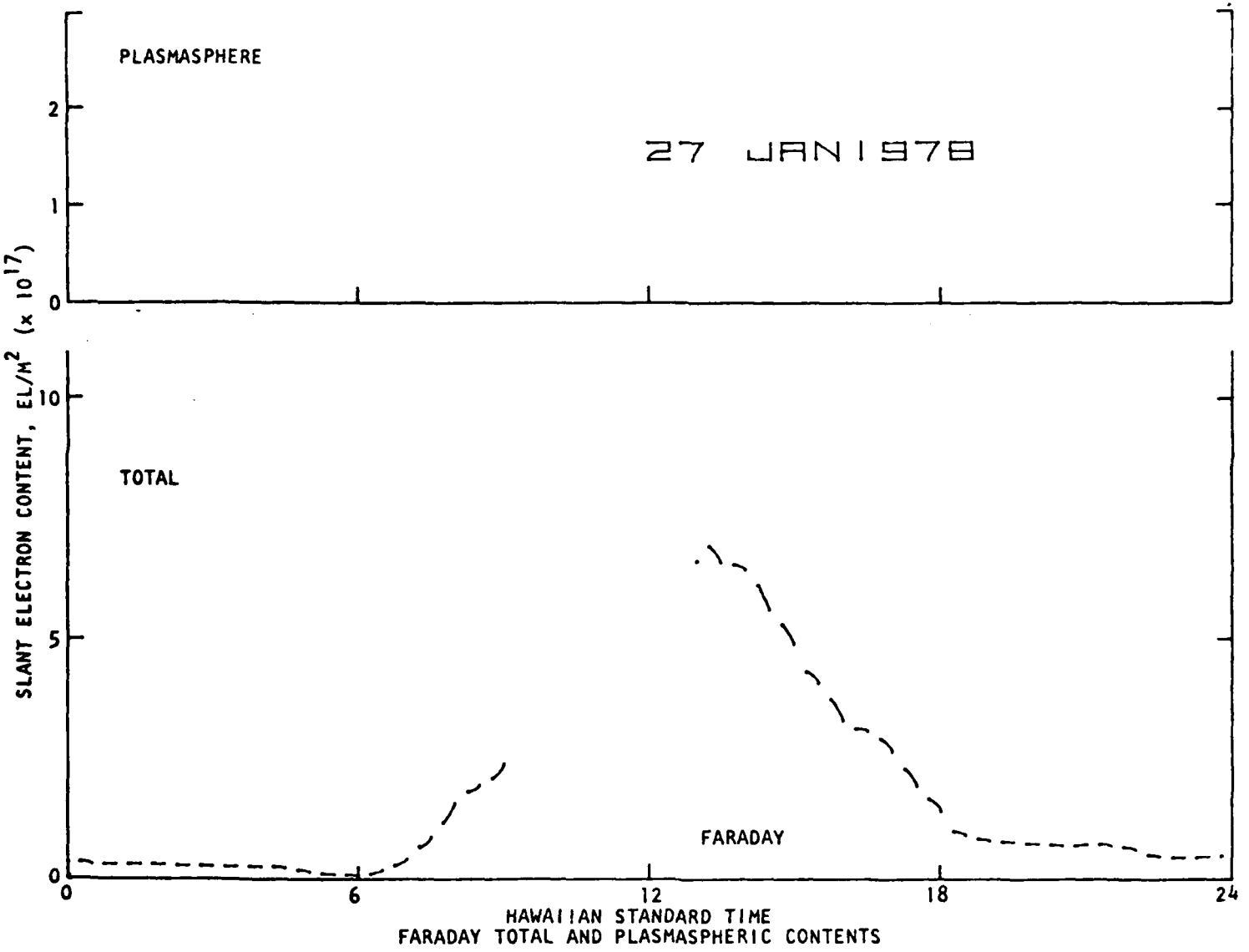
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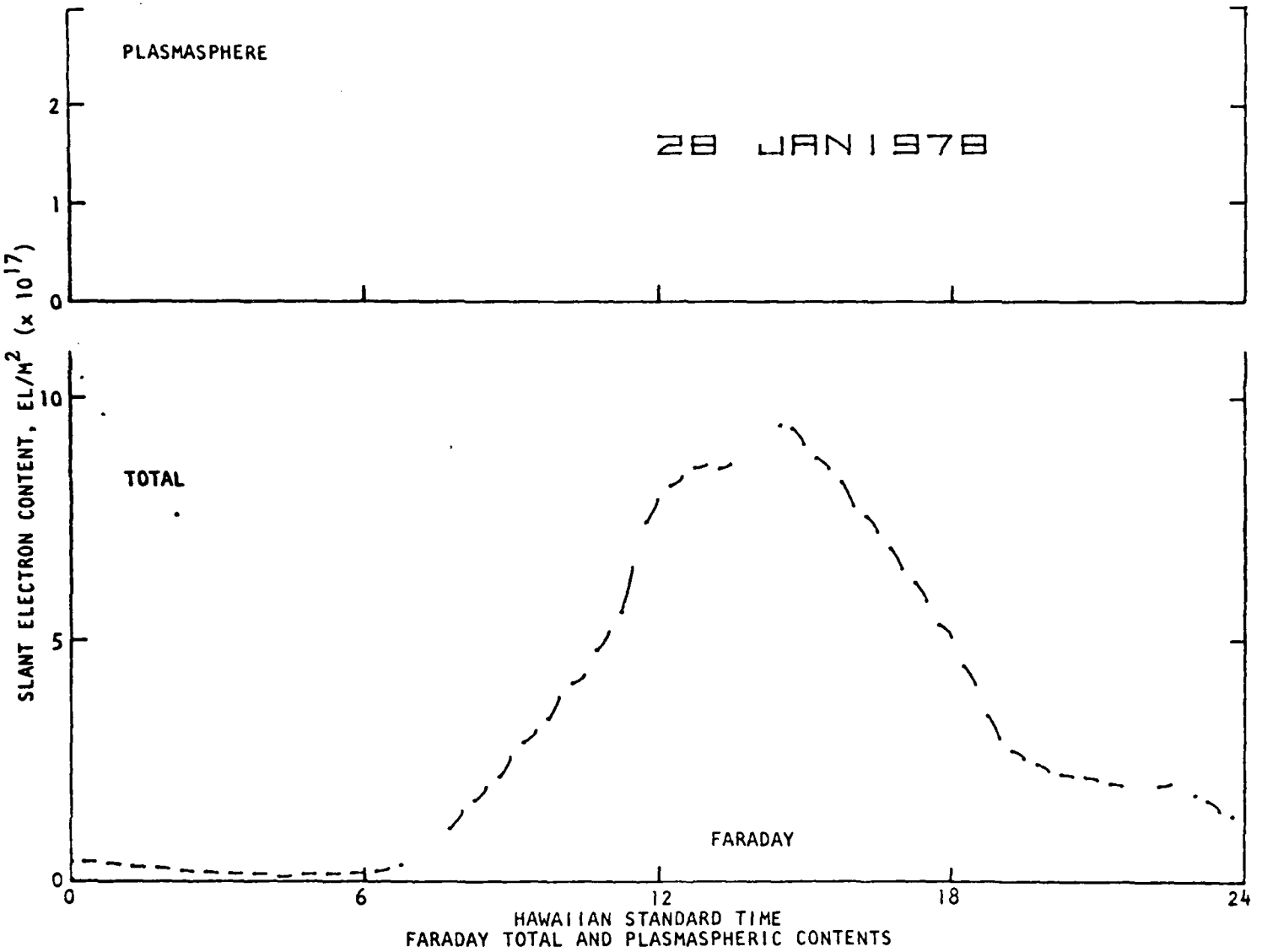
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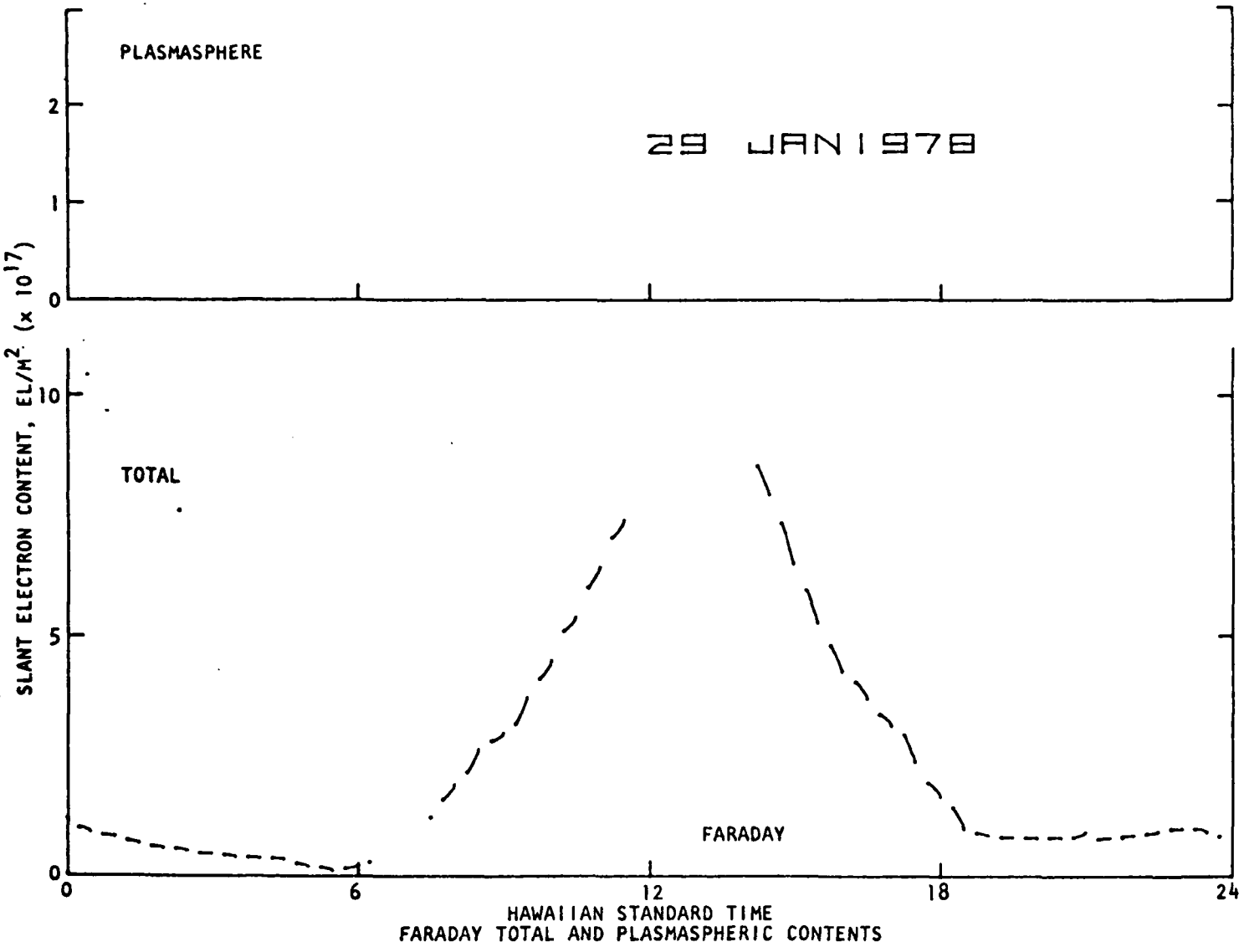
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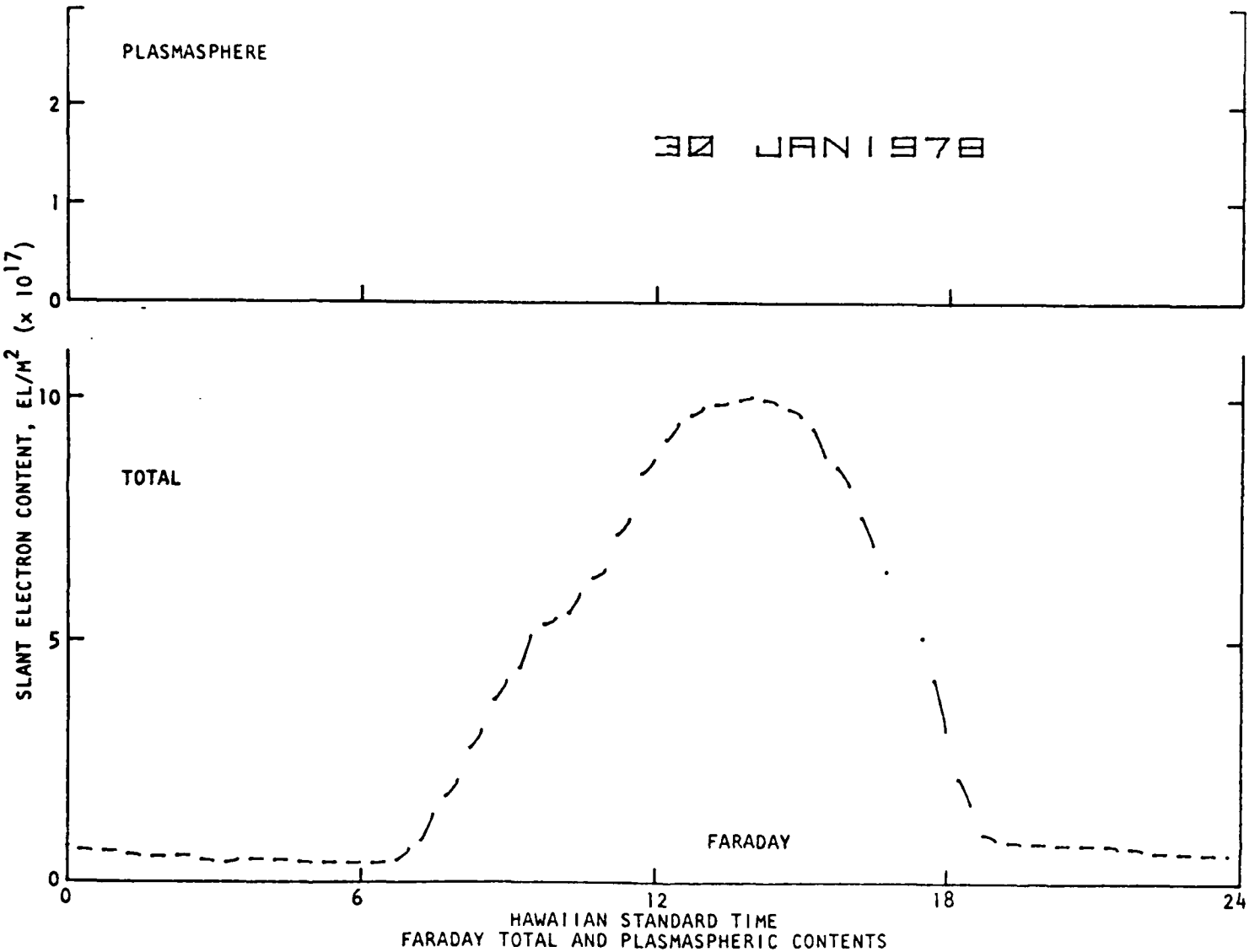
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



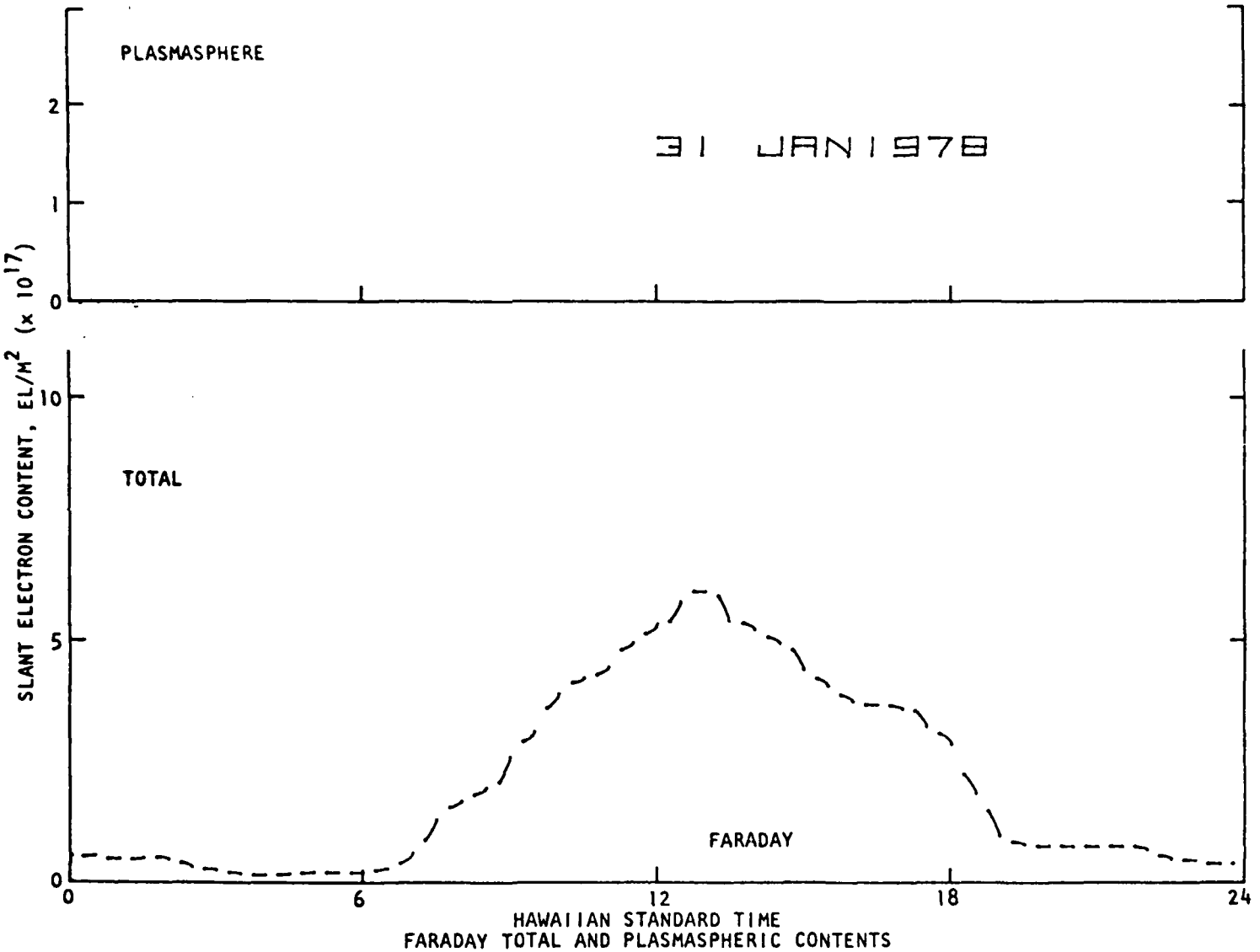
FARADAY TOTAL AND PLASMASPHERIC CONTENTS



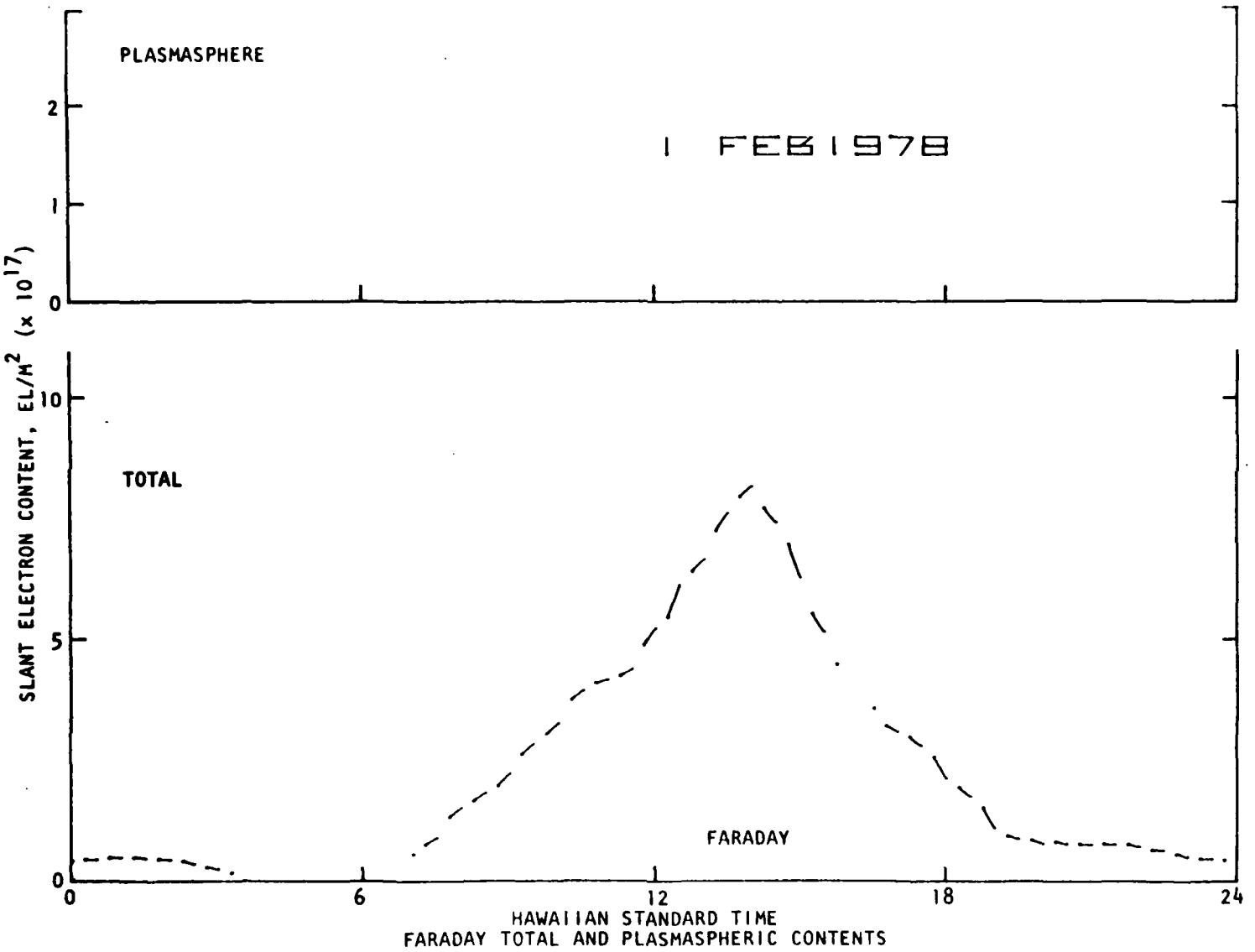
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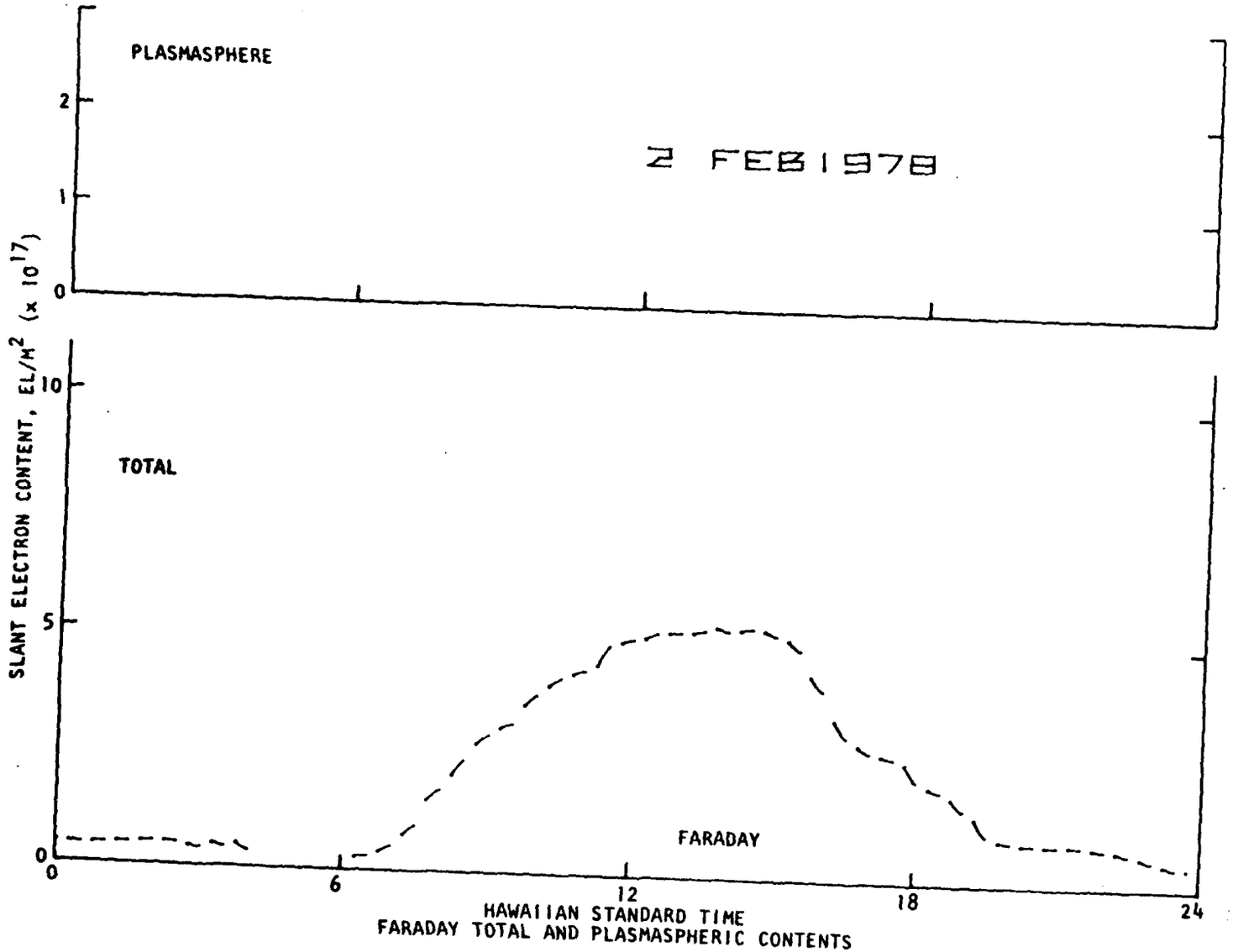
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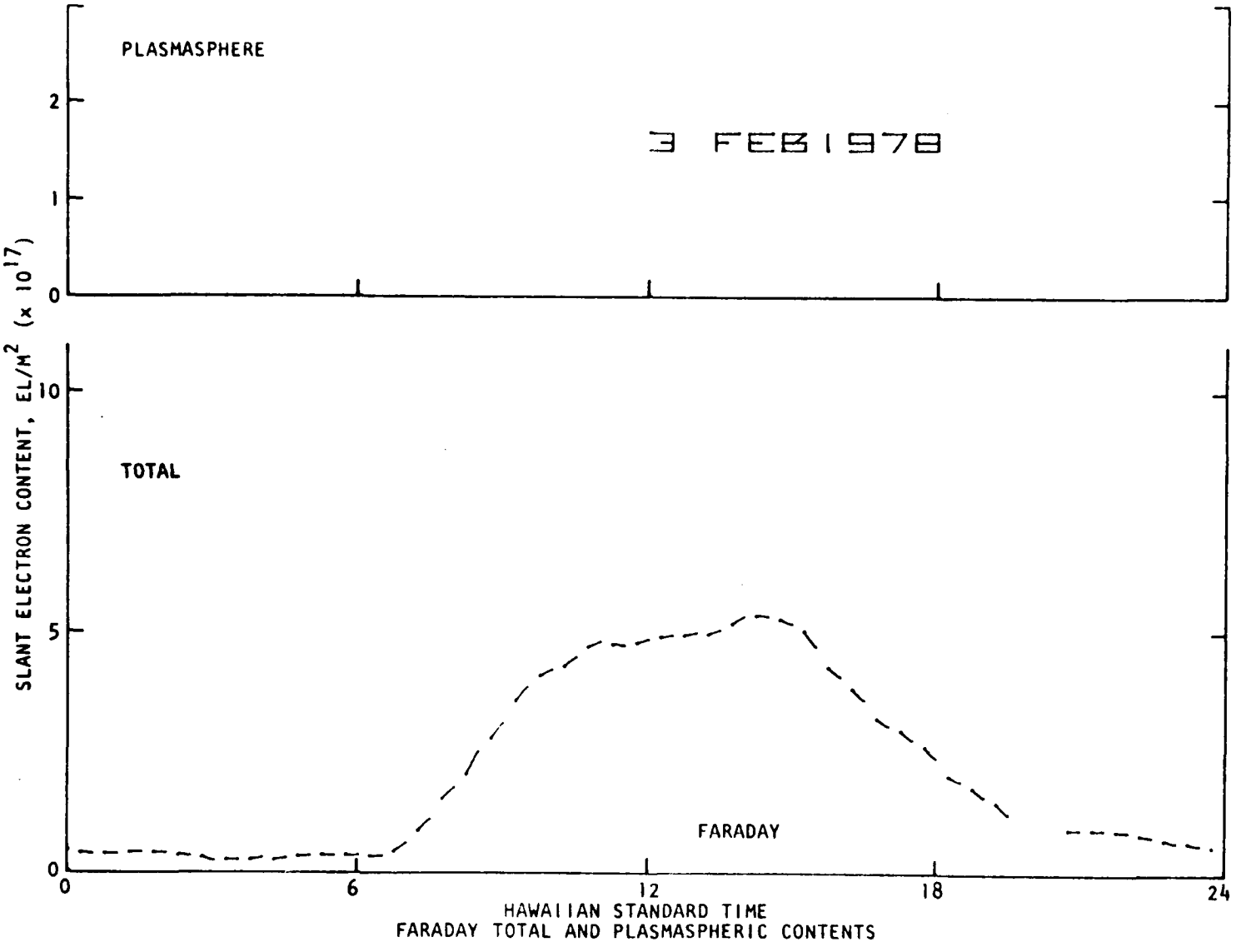
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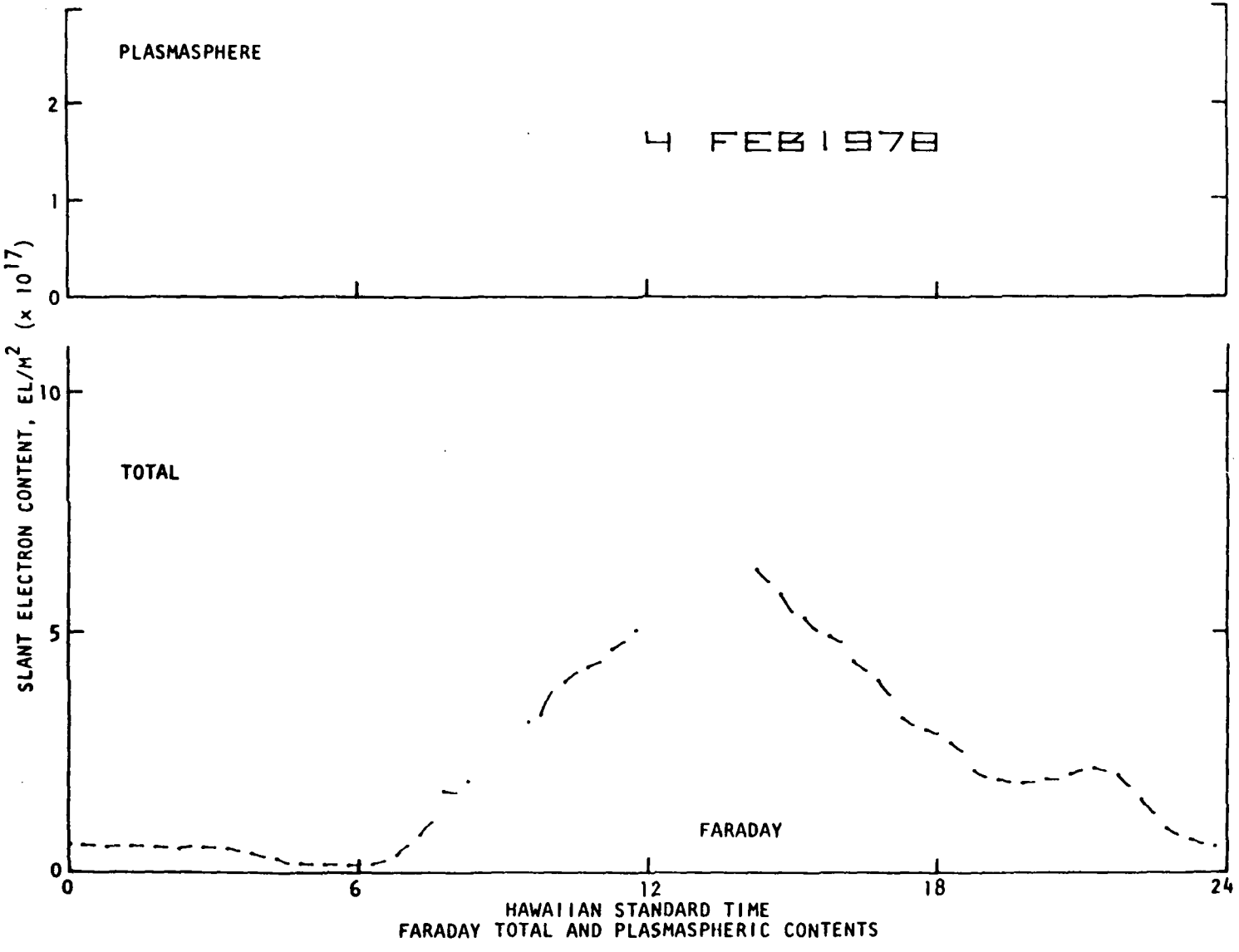
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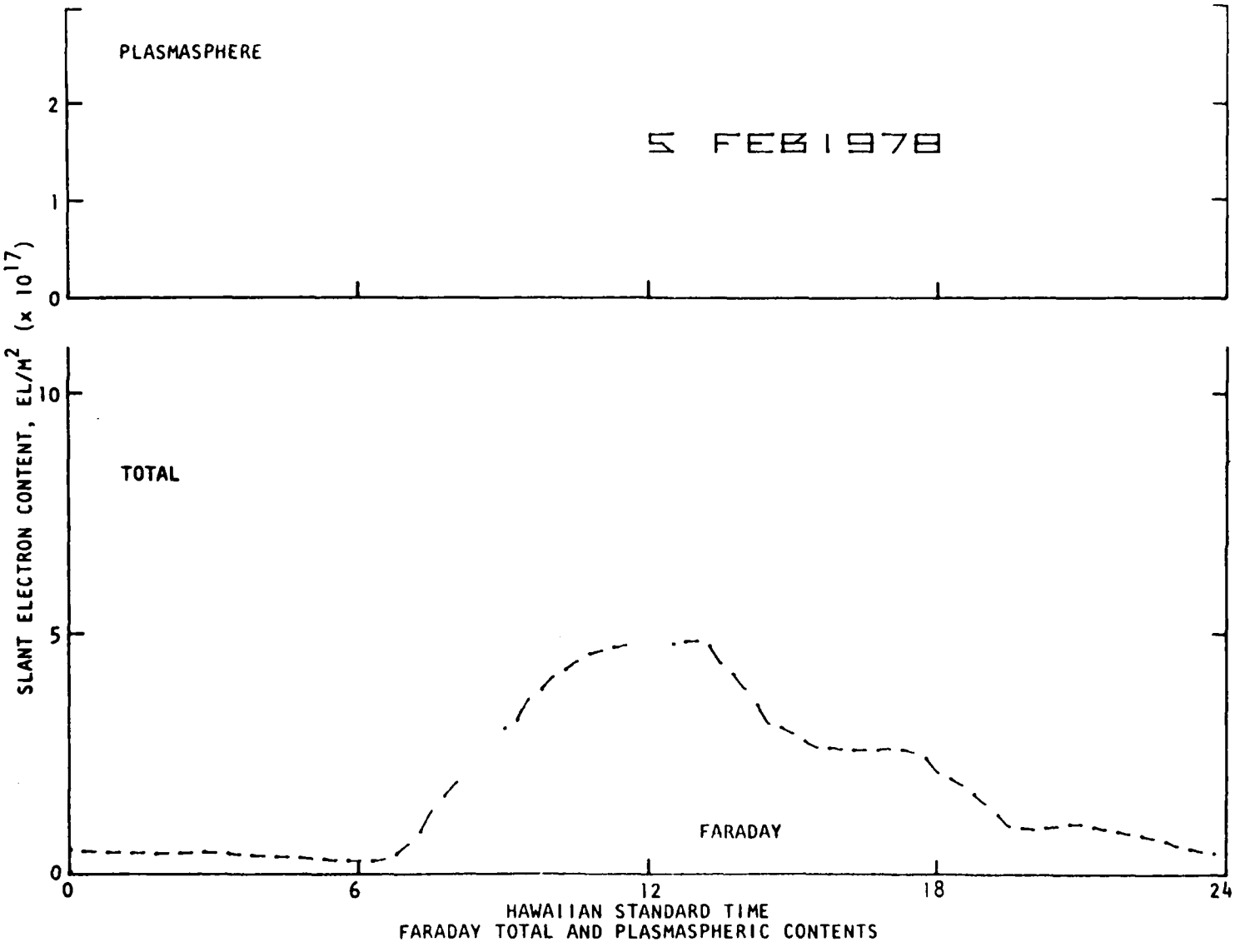
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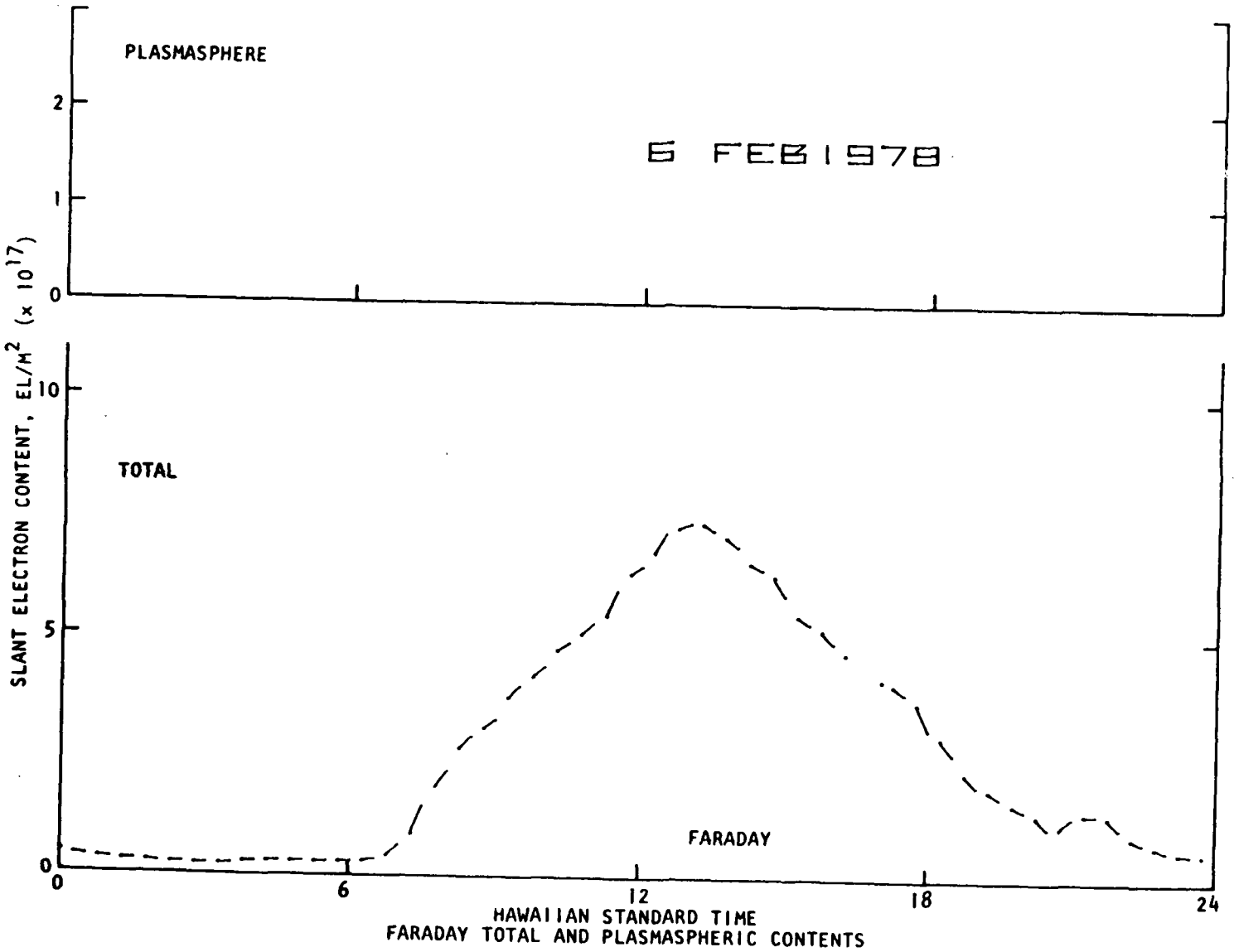
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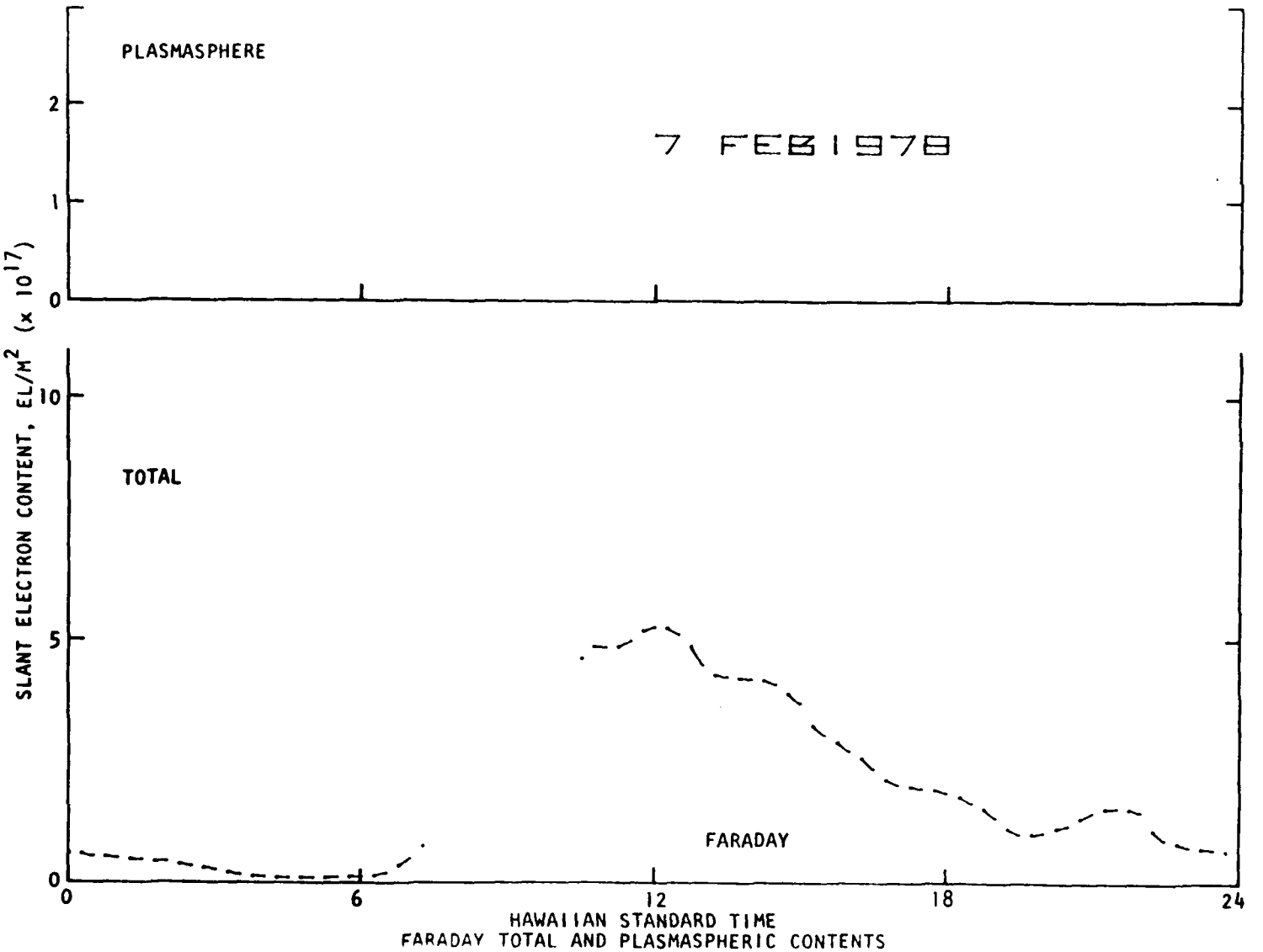
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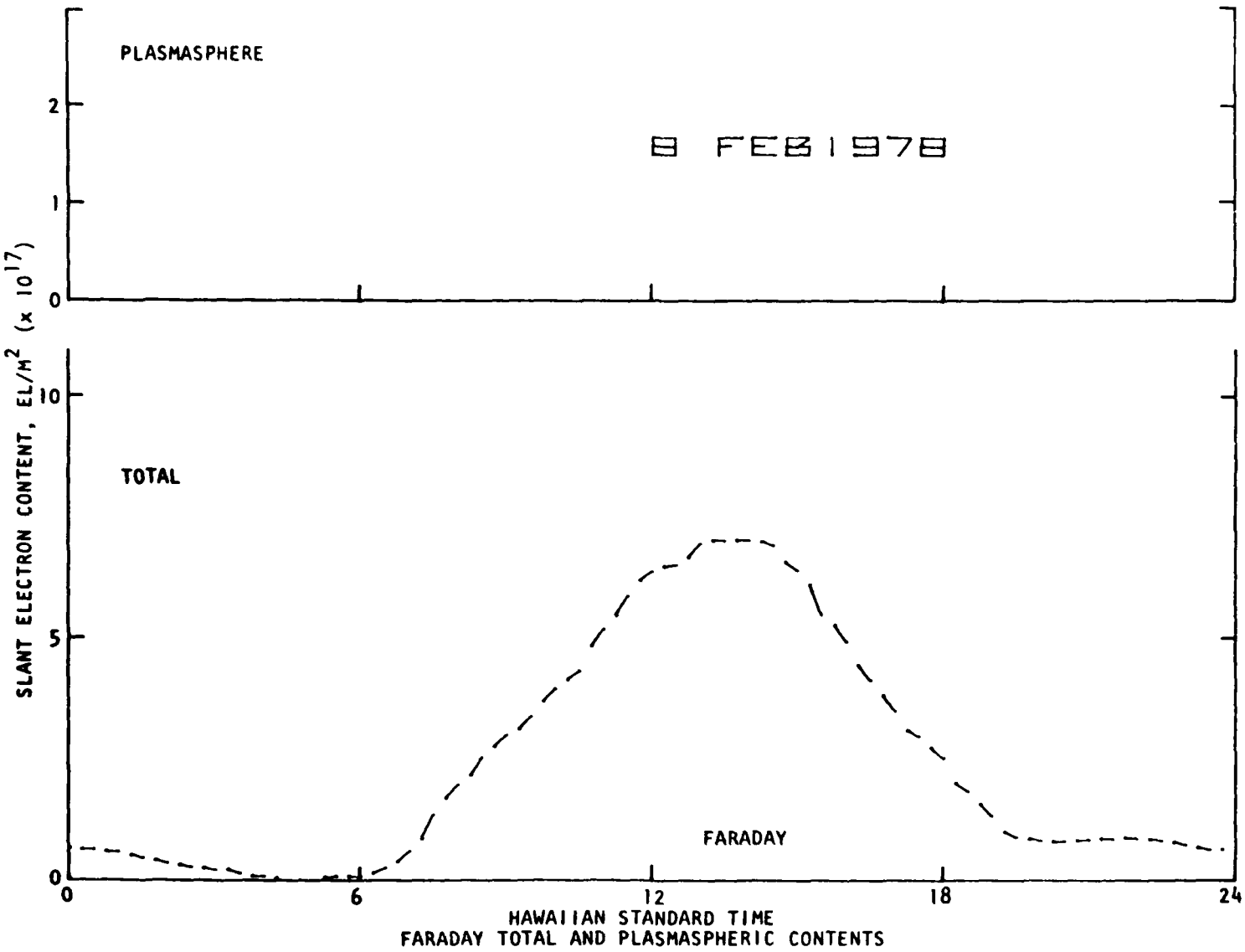
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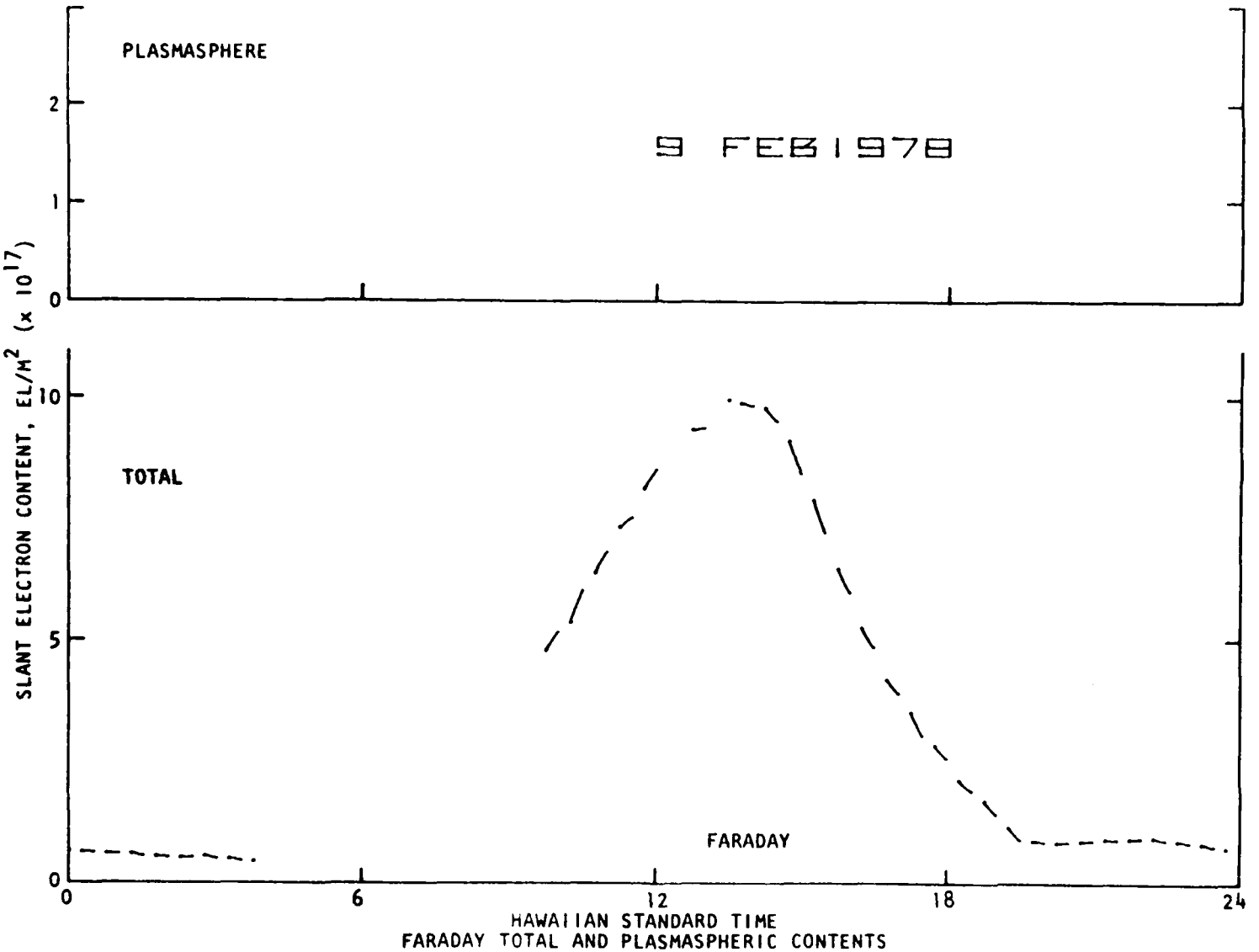
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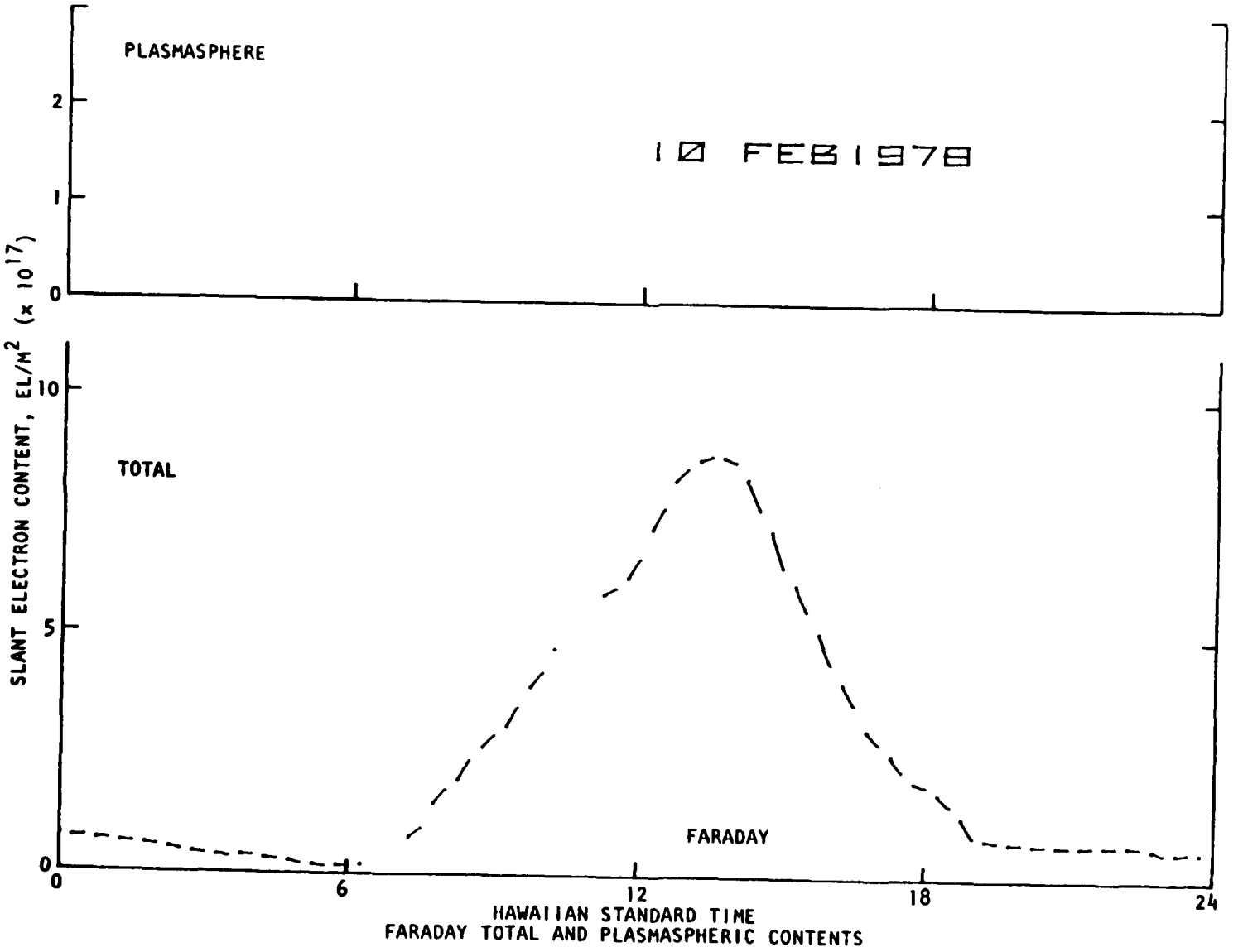
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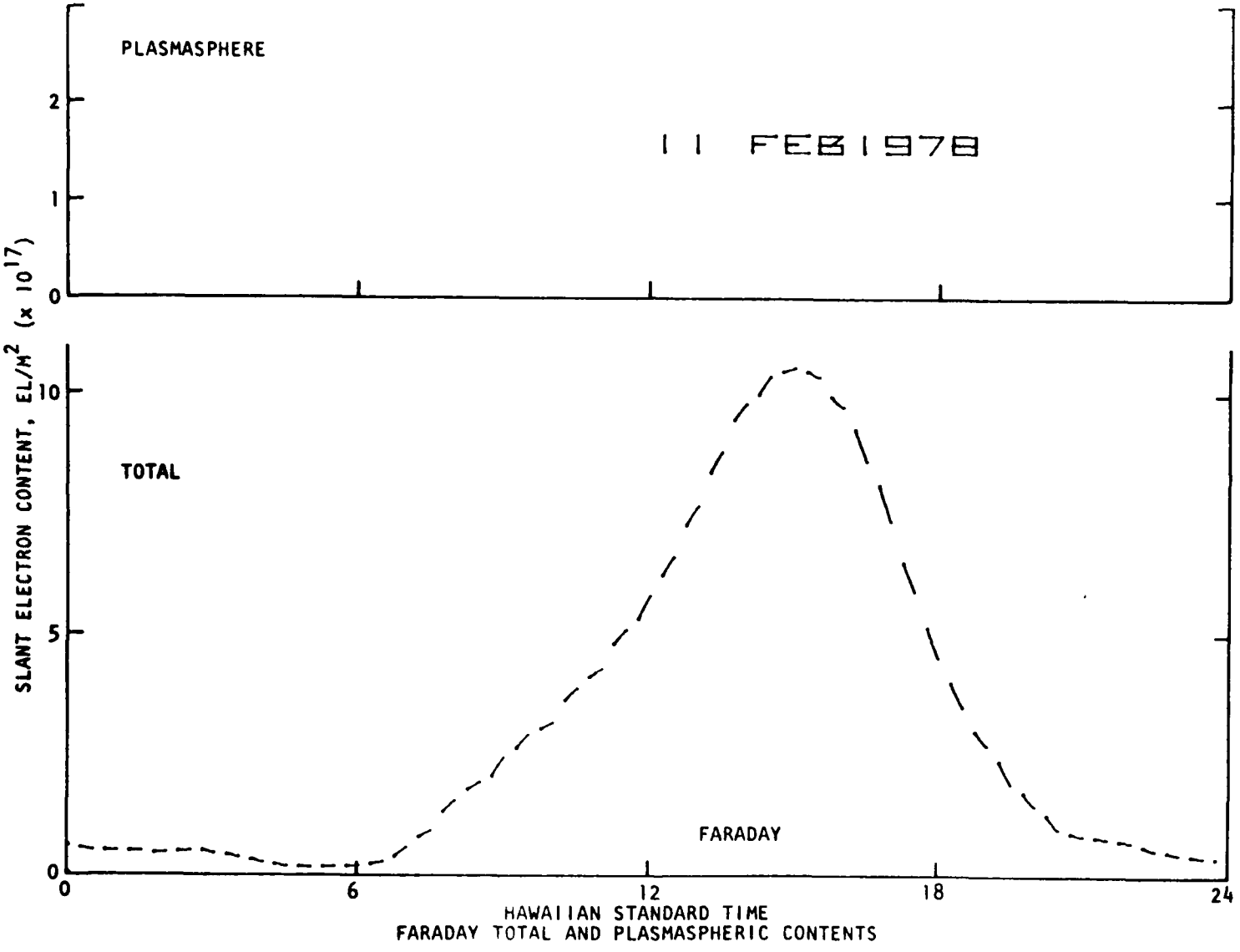
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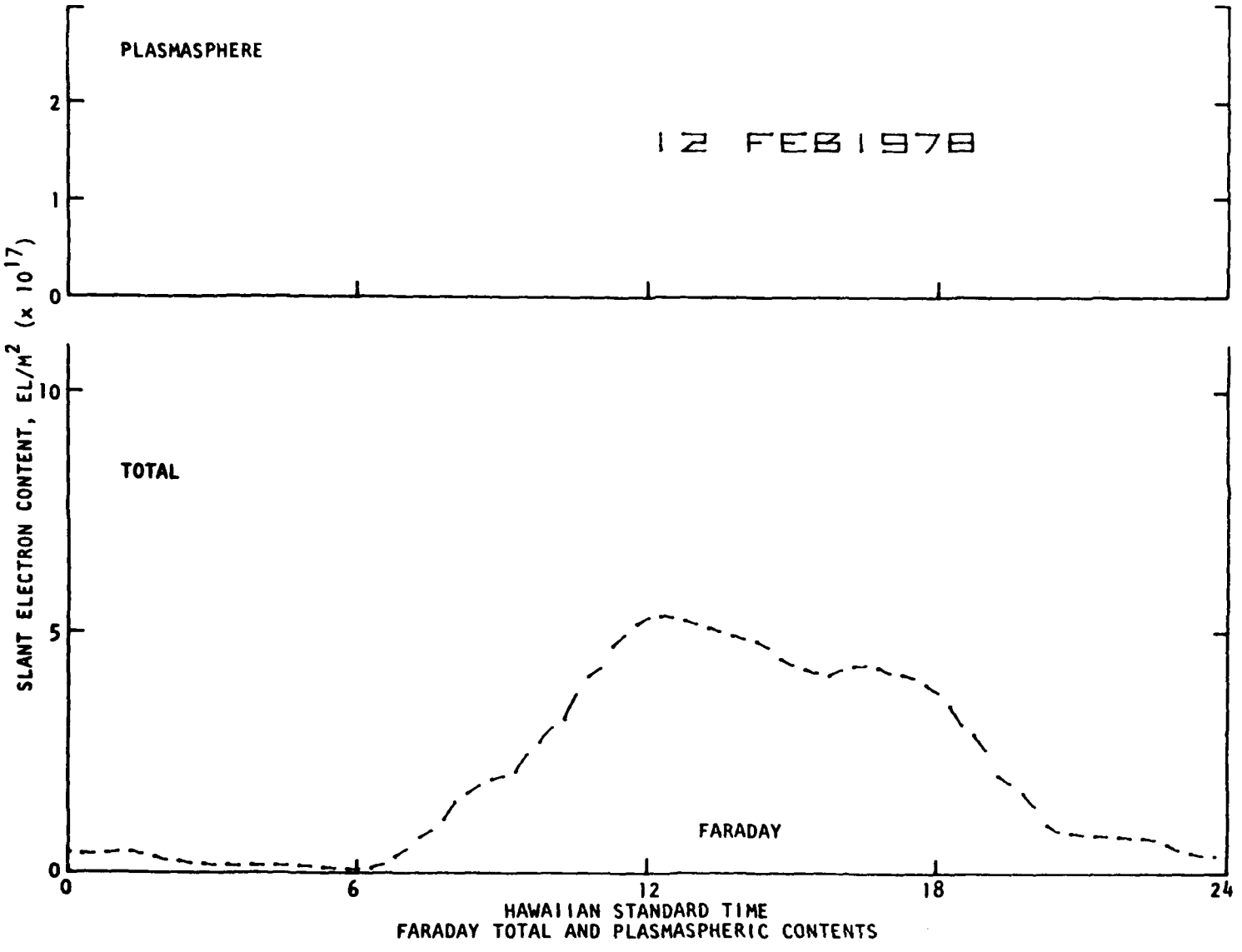
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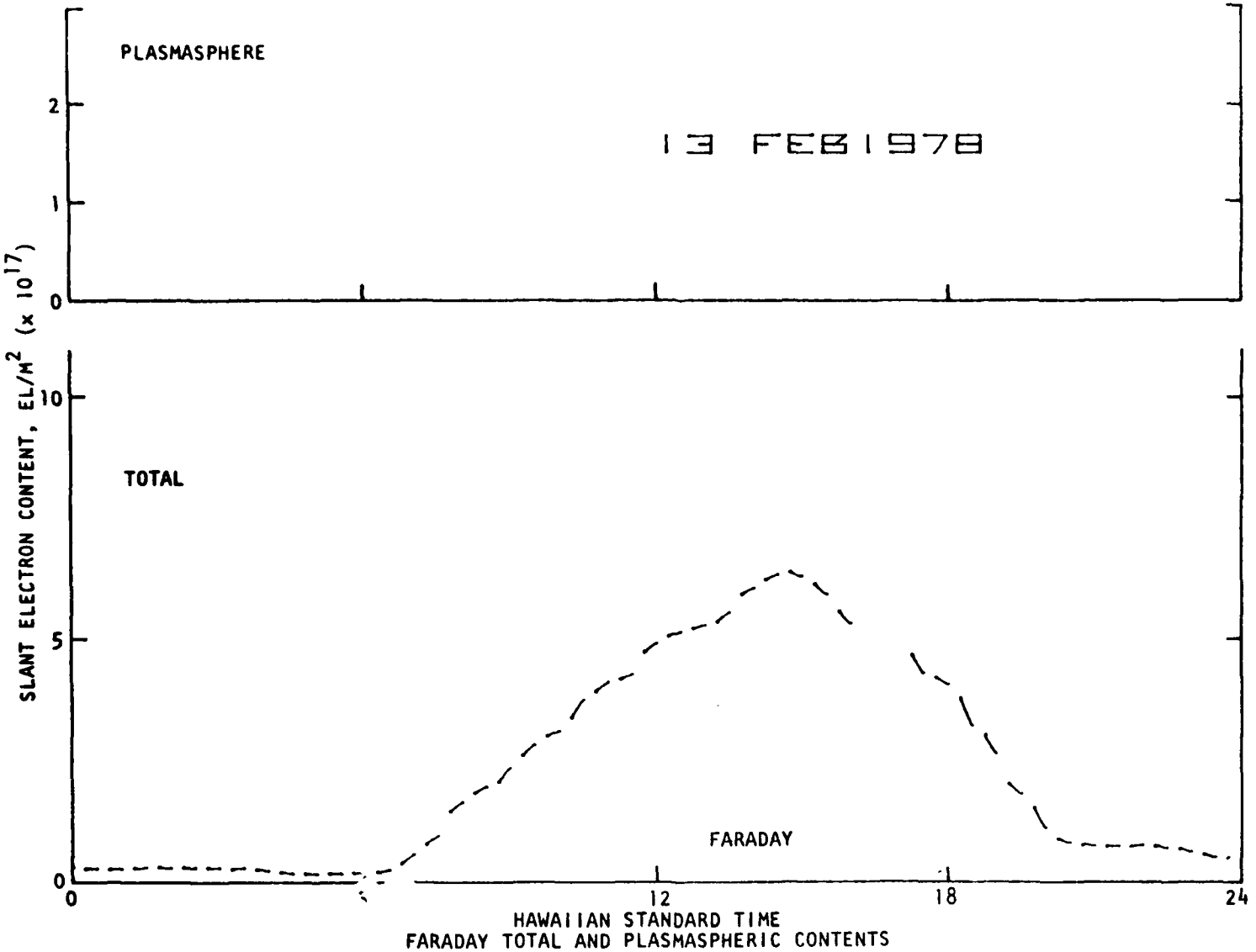
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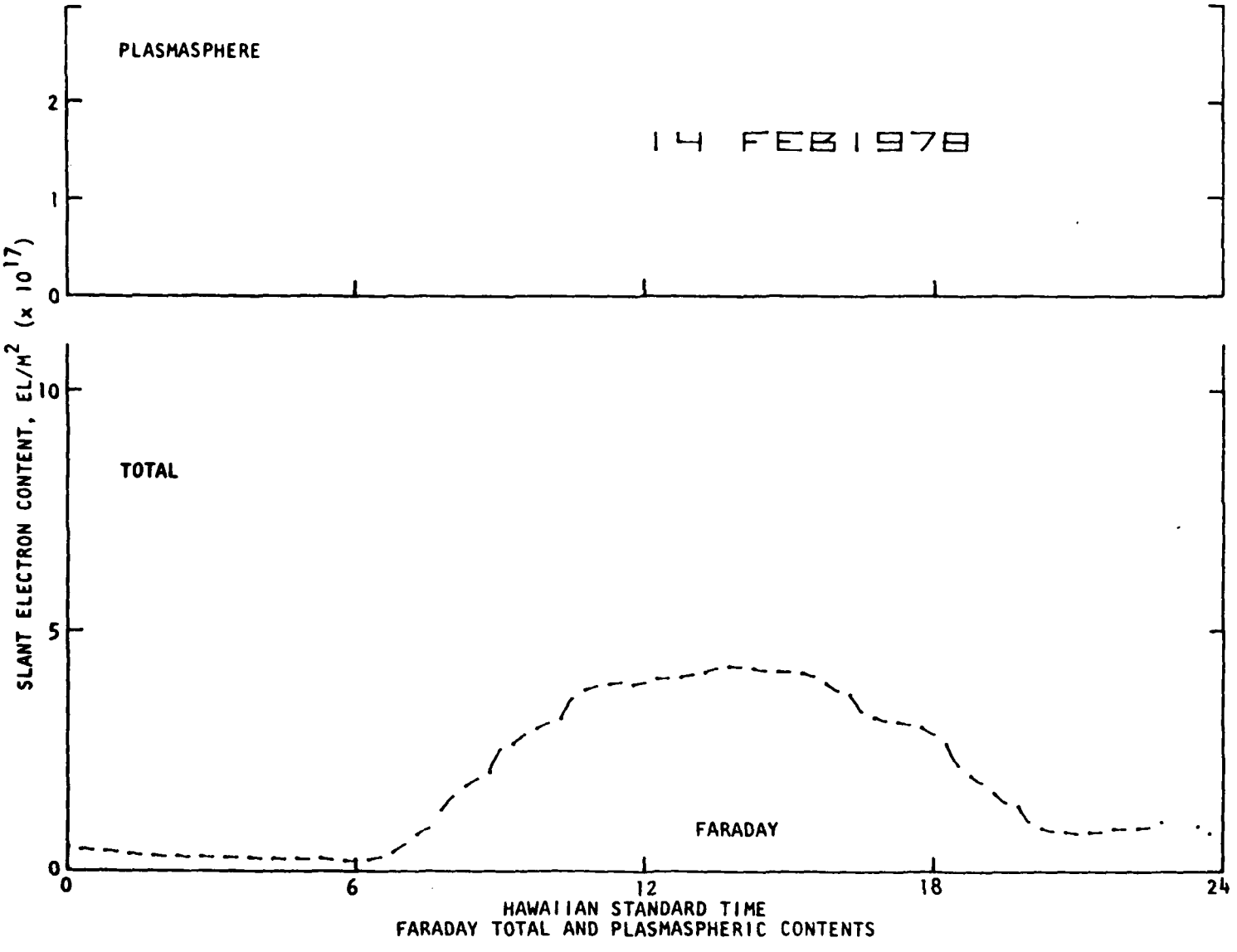
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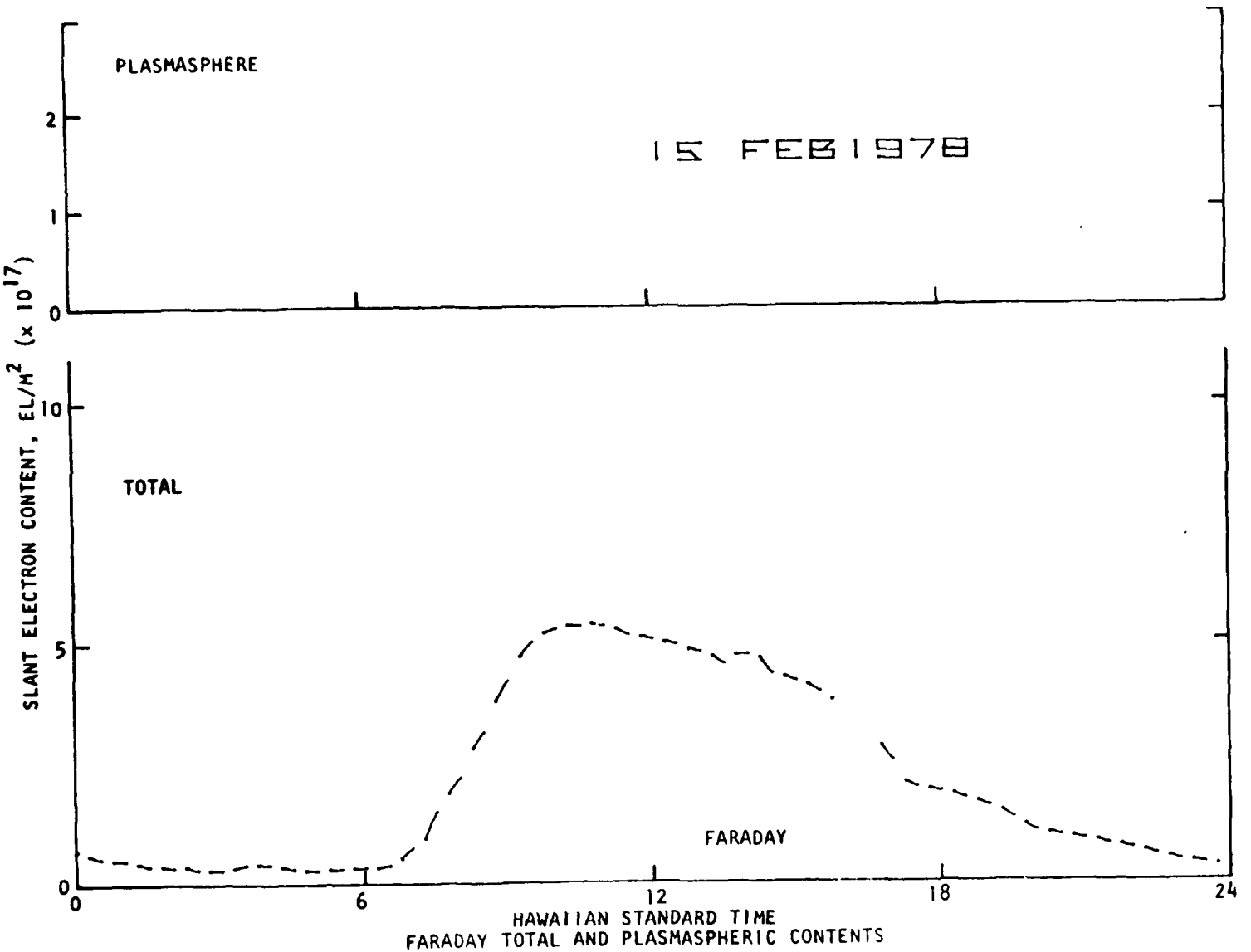
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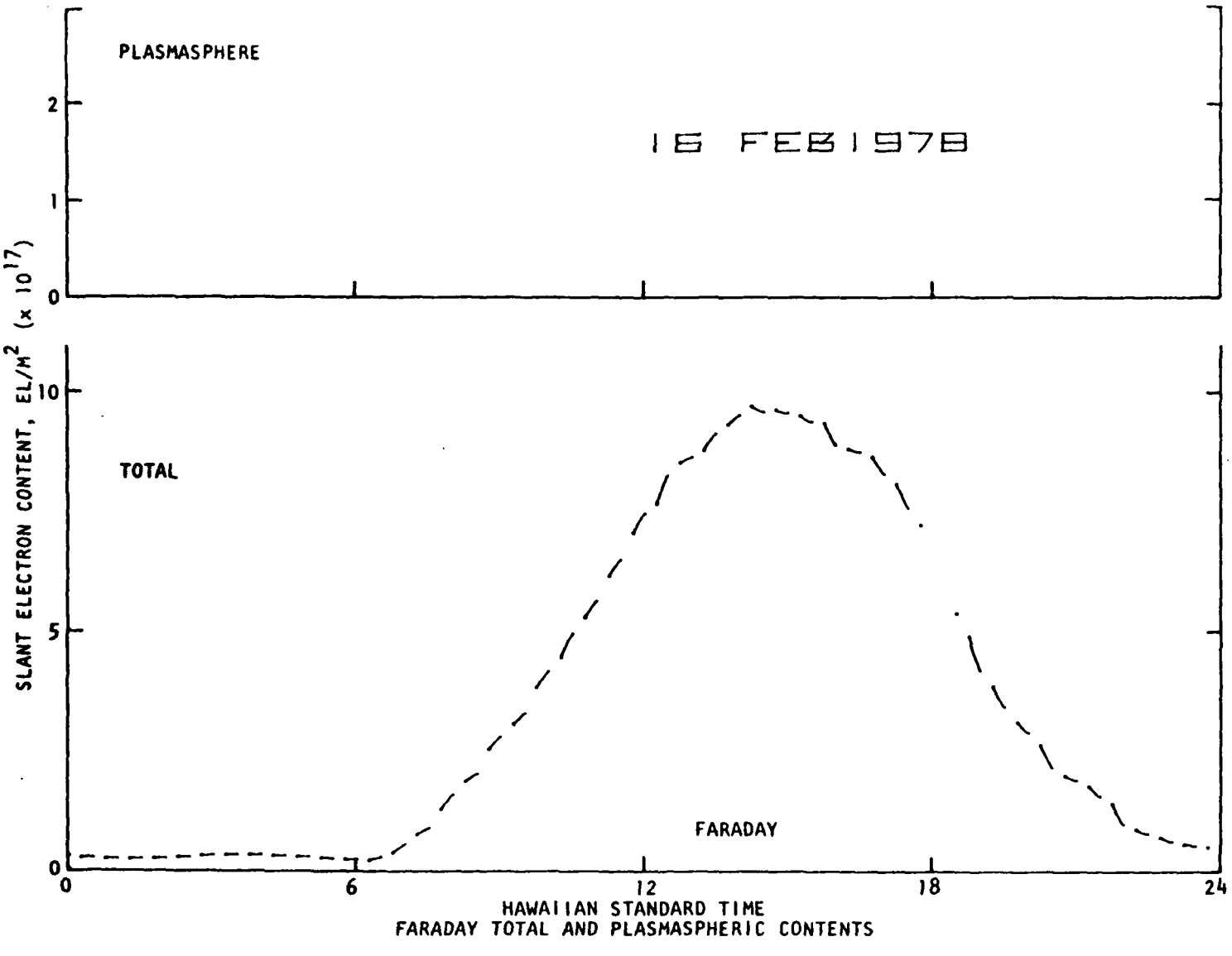
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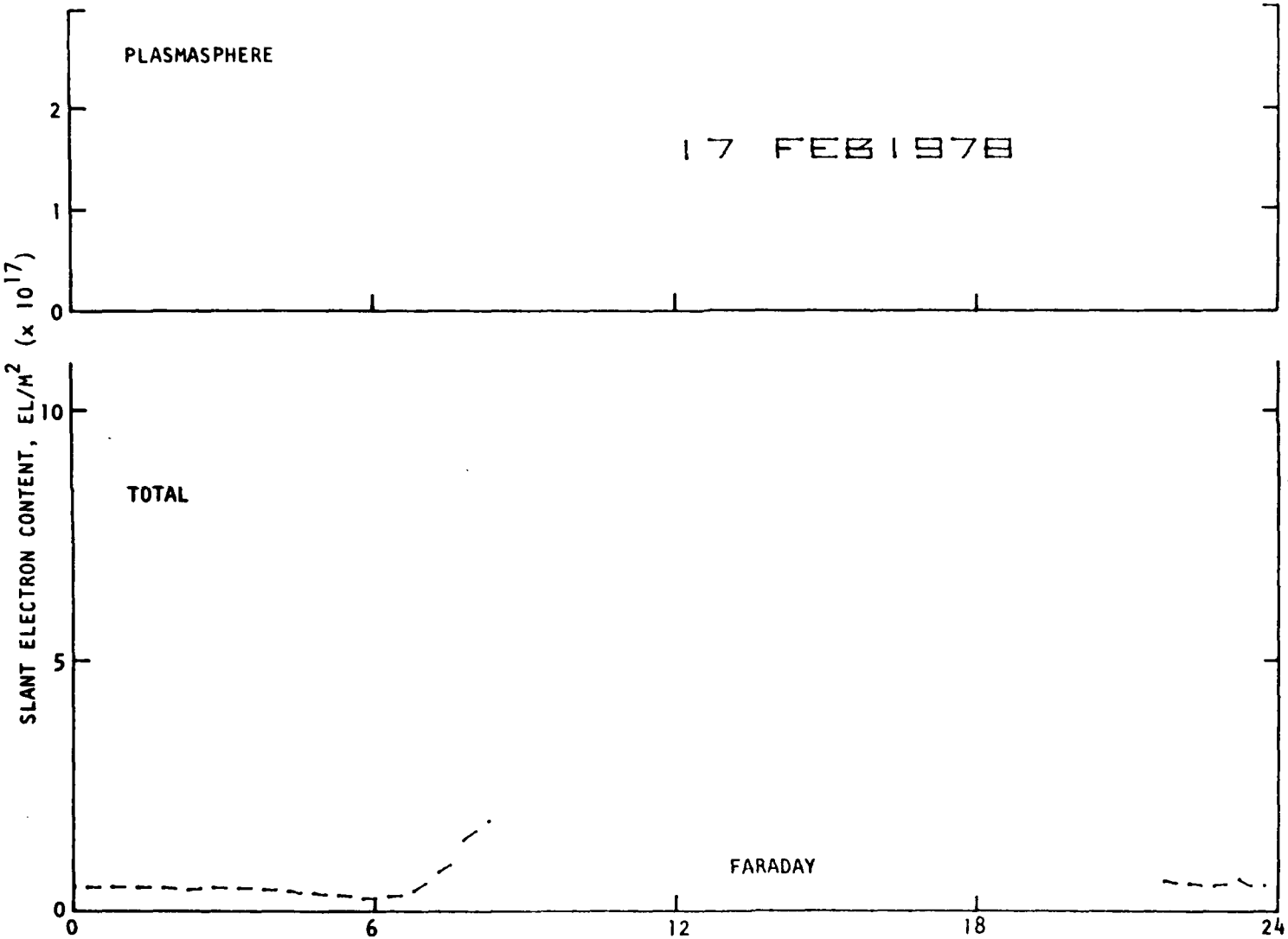
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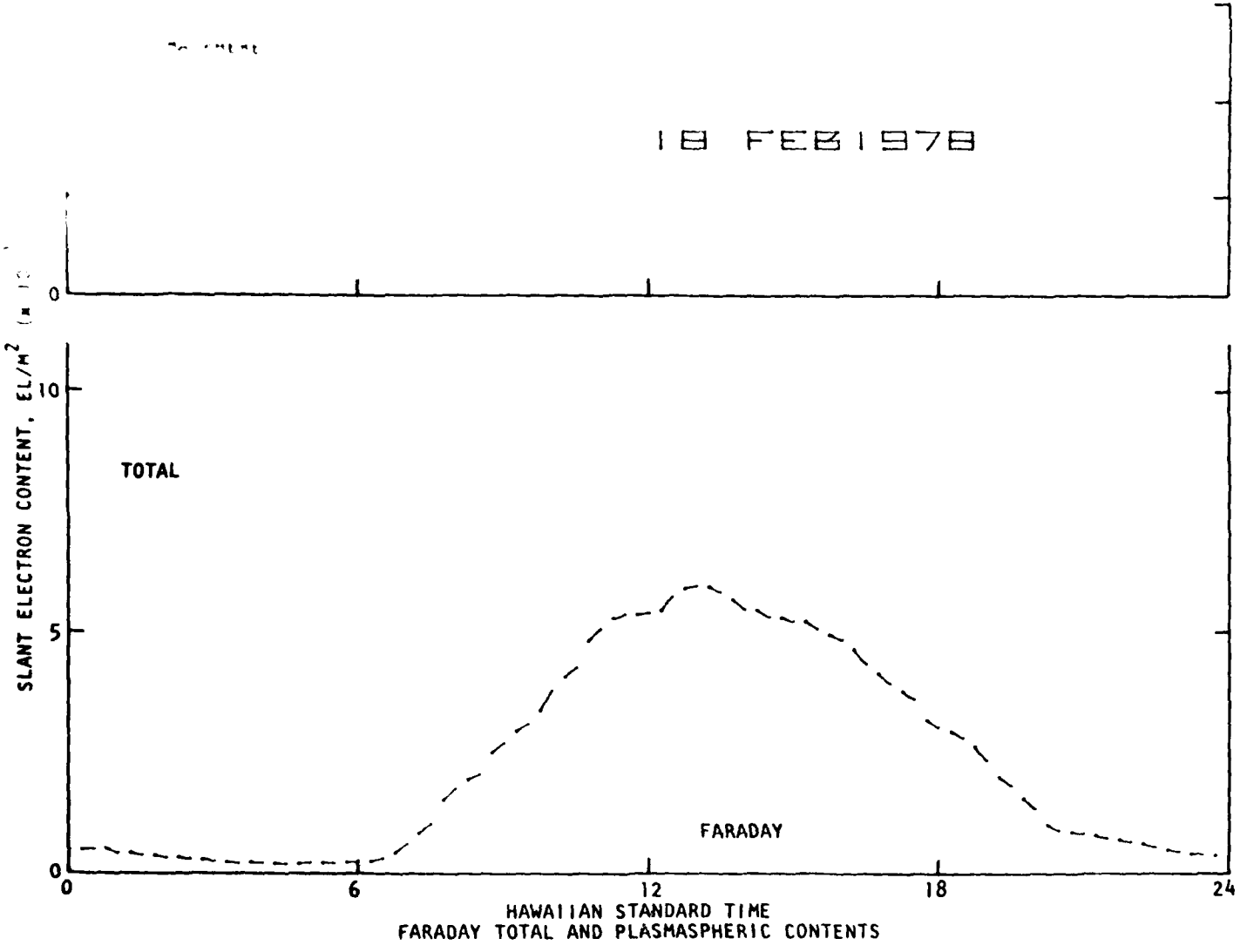
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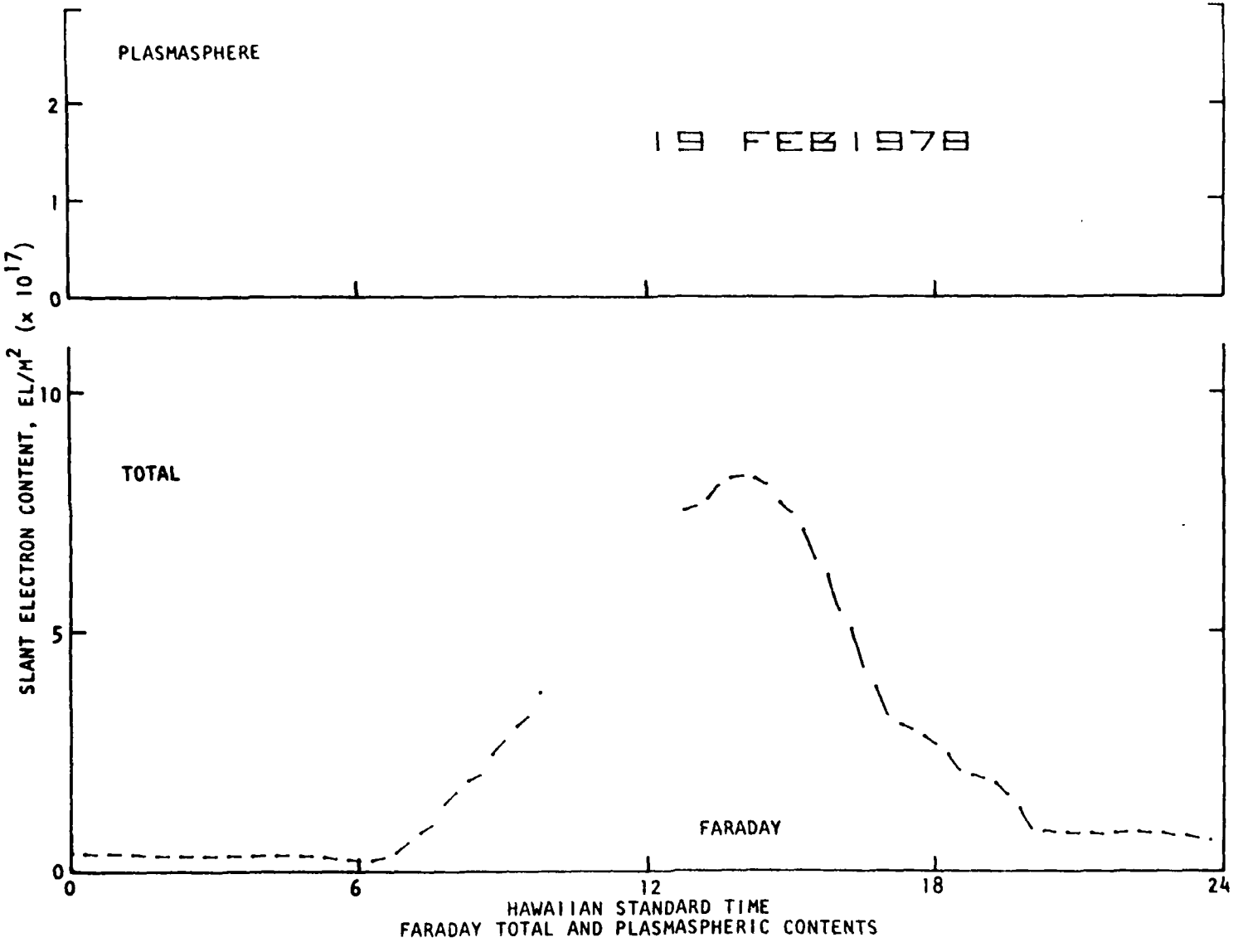
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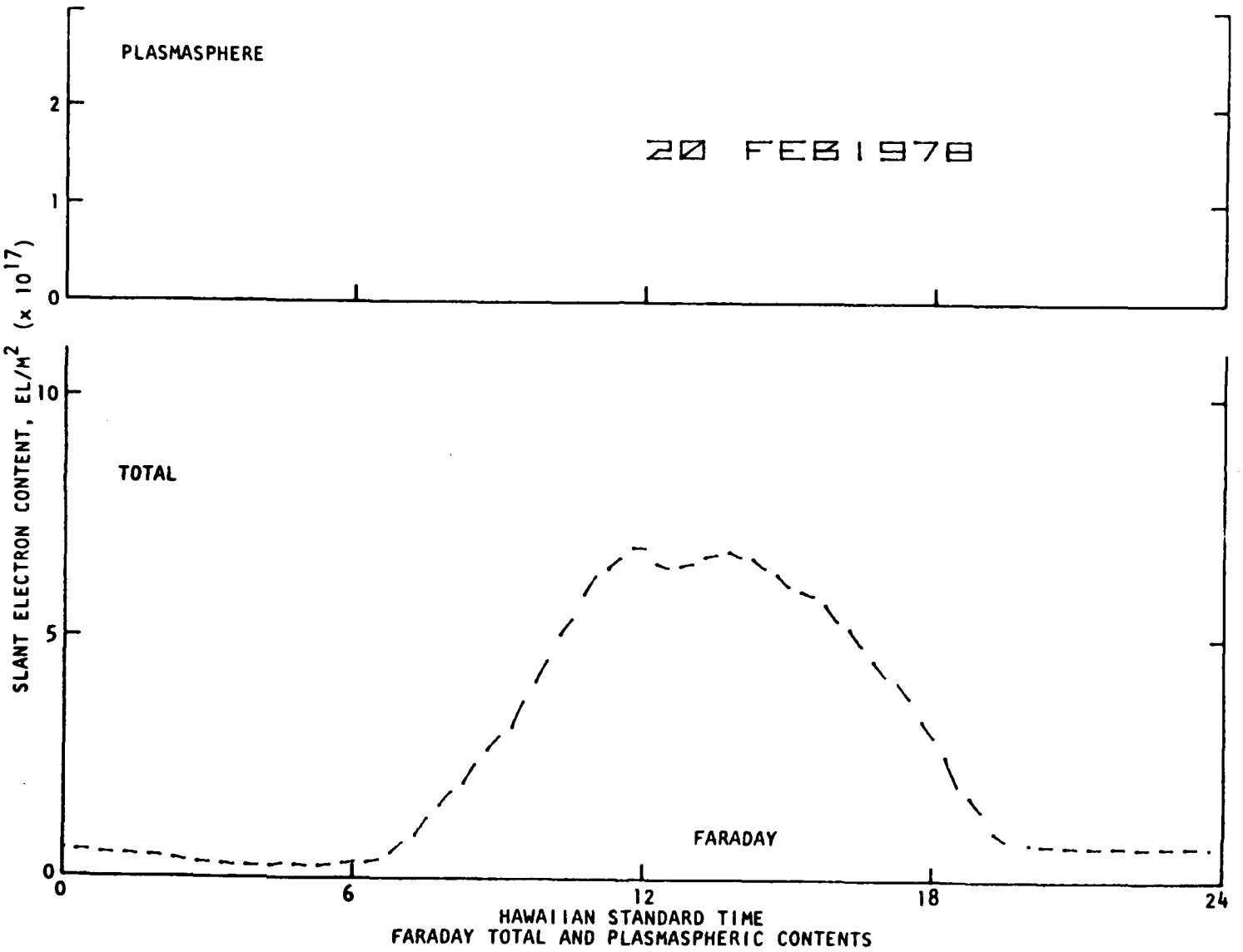
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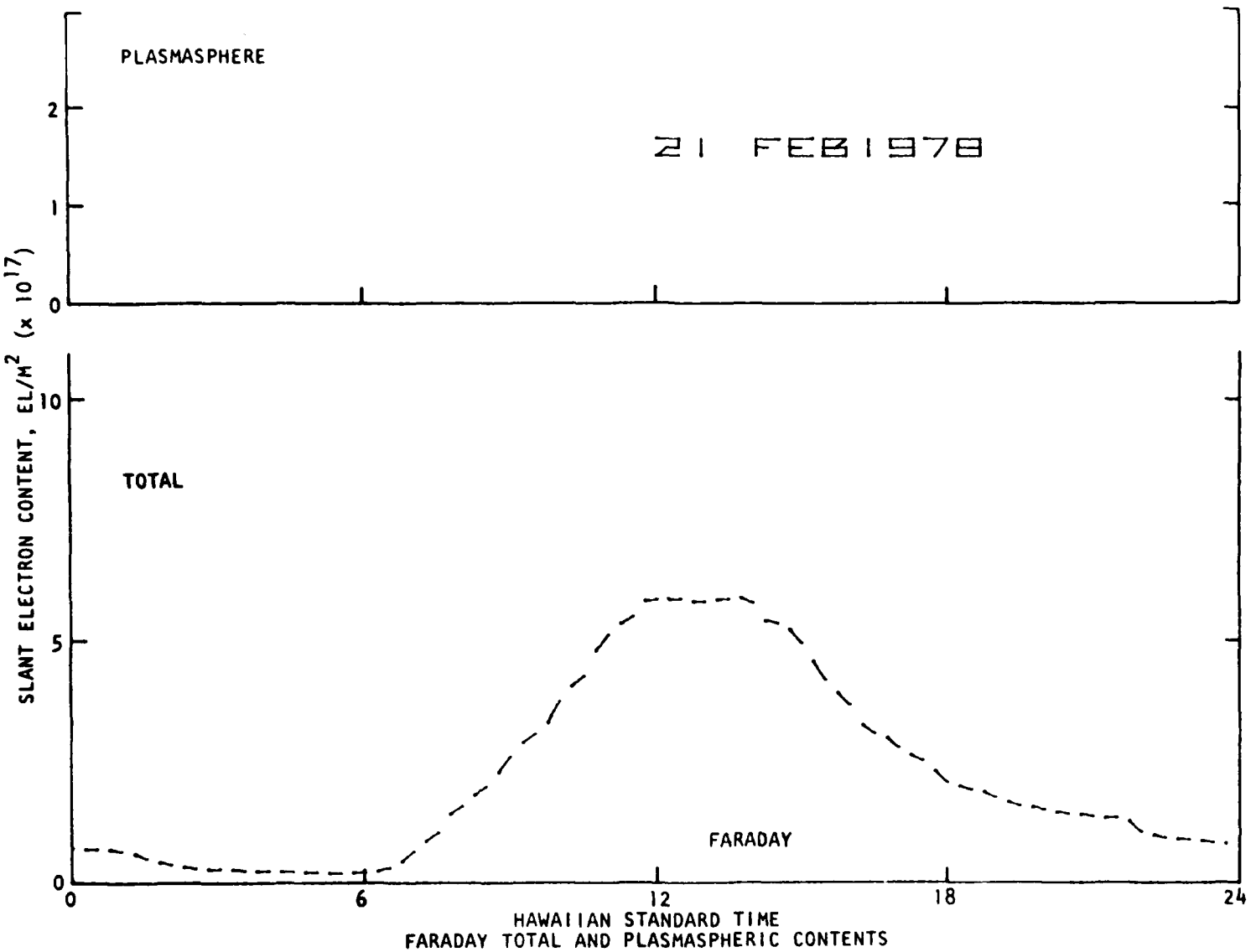
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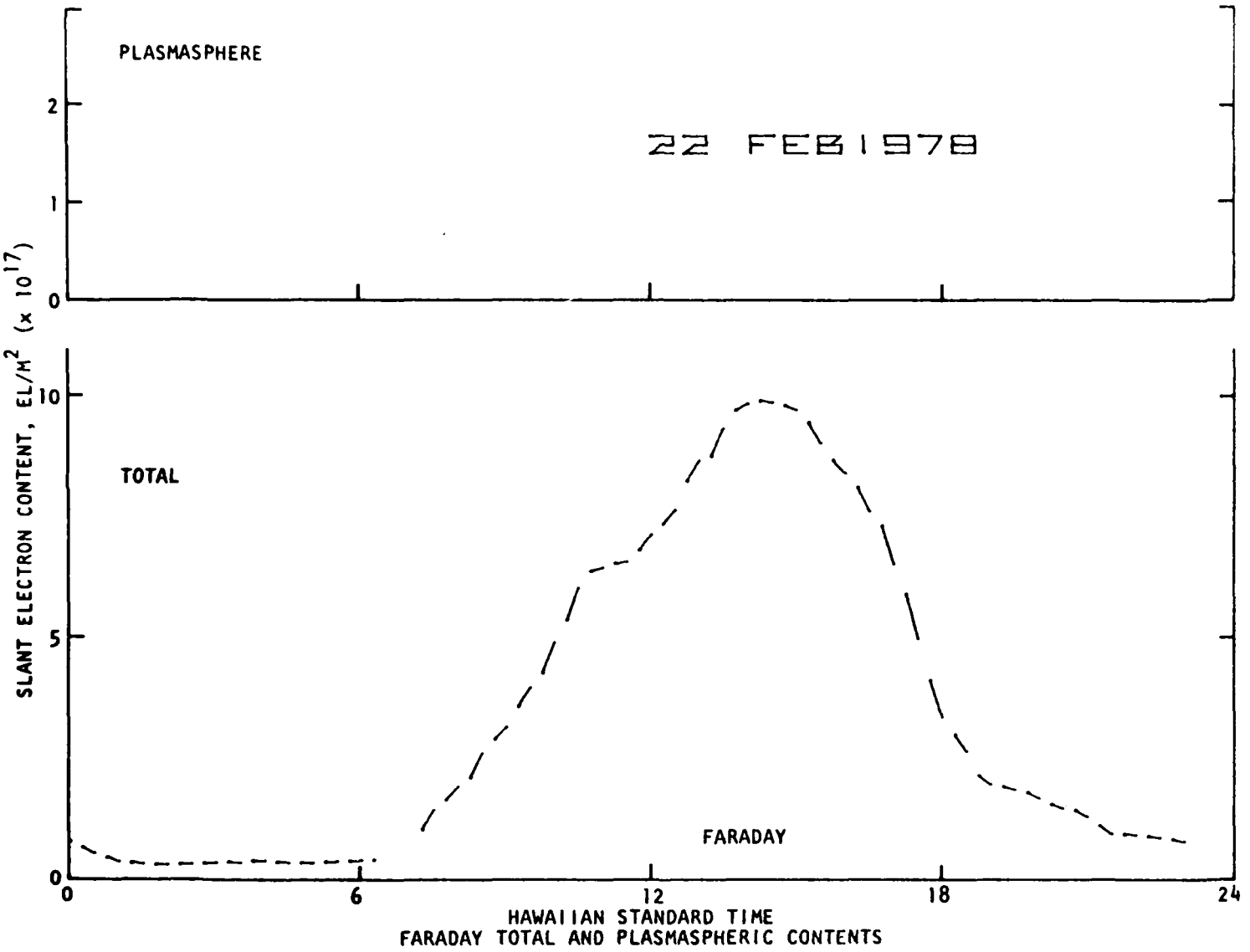
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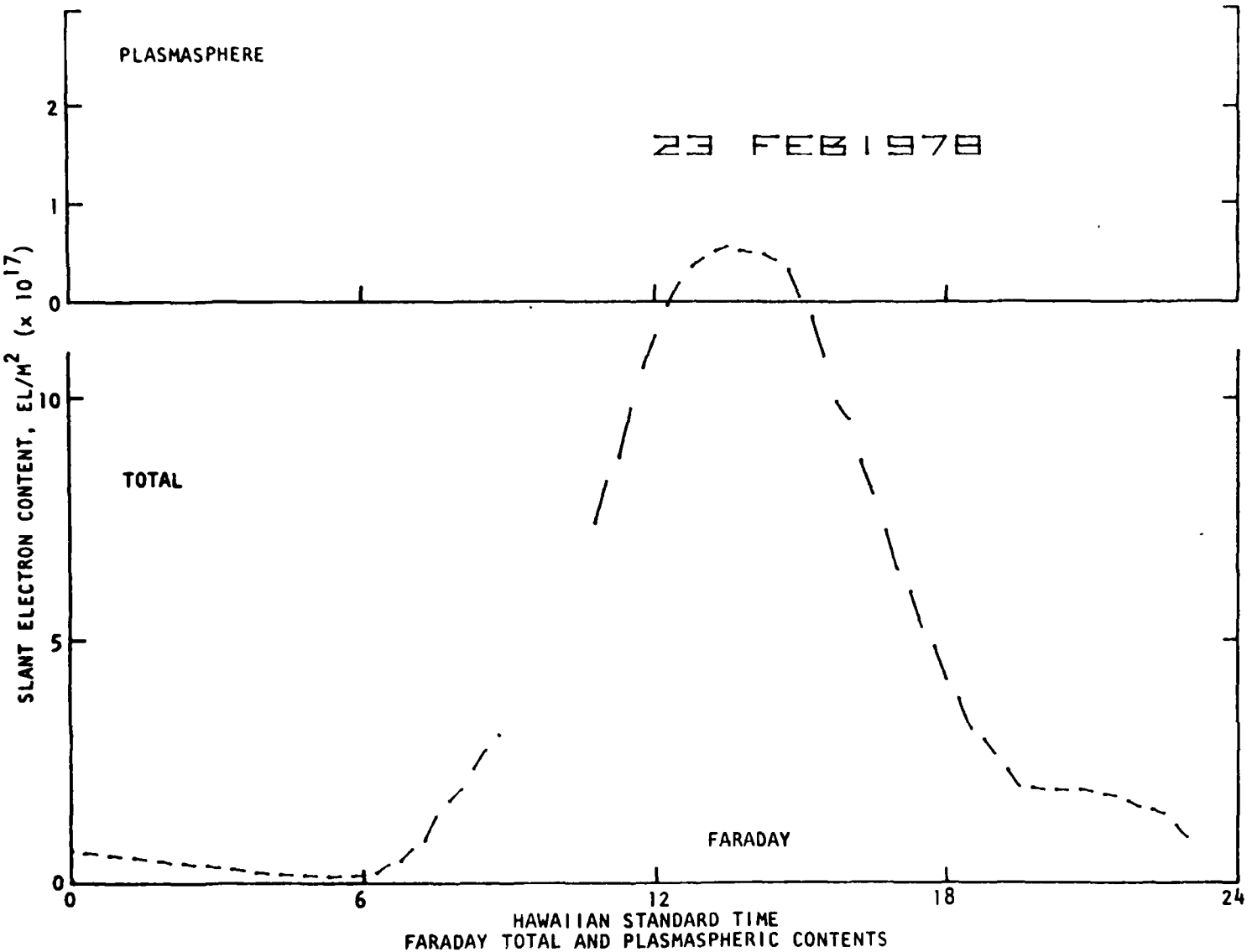
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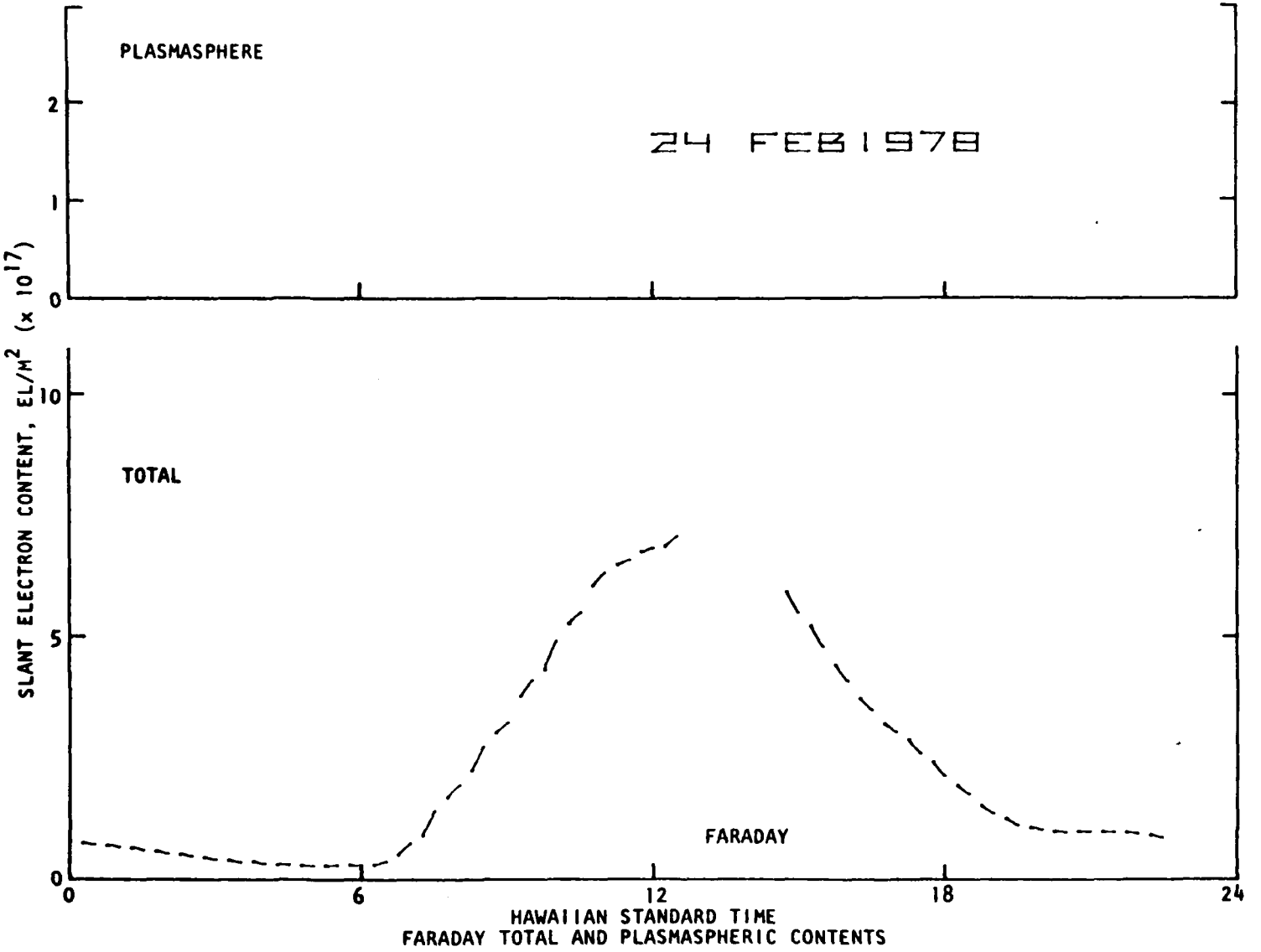
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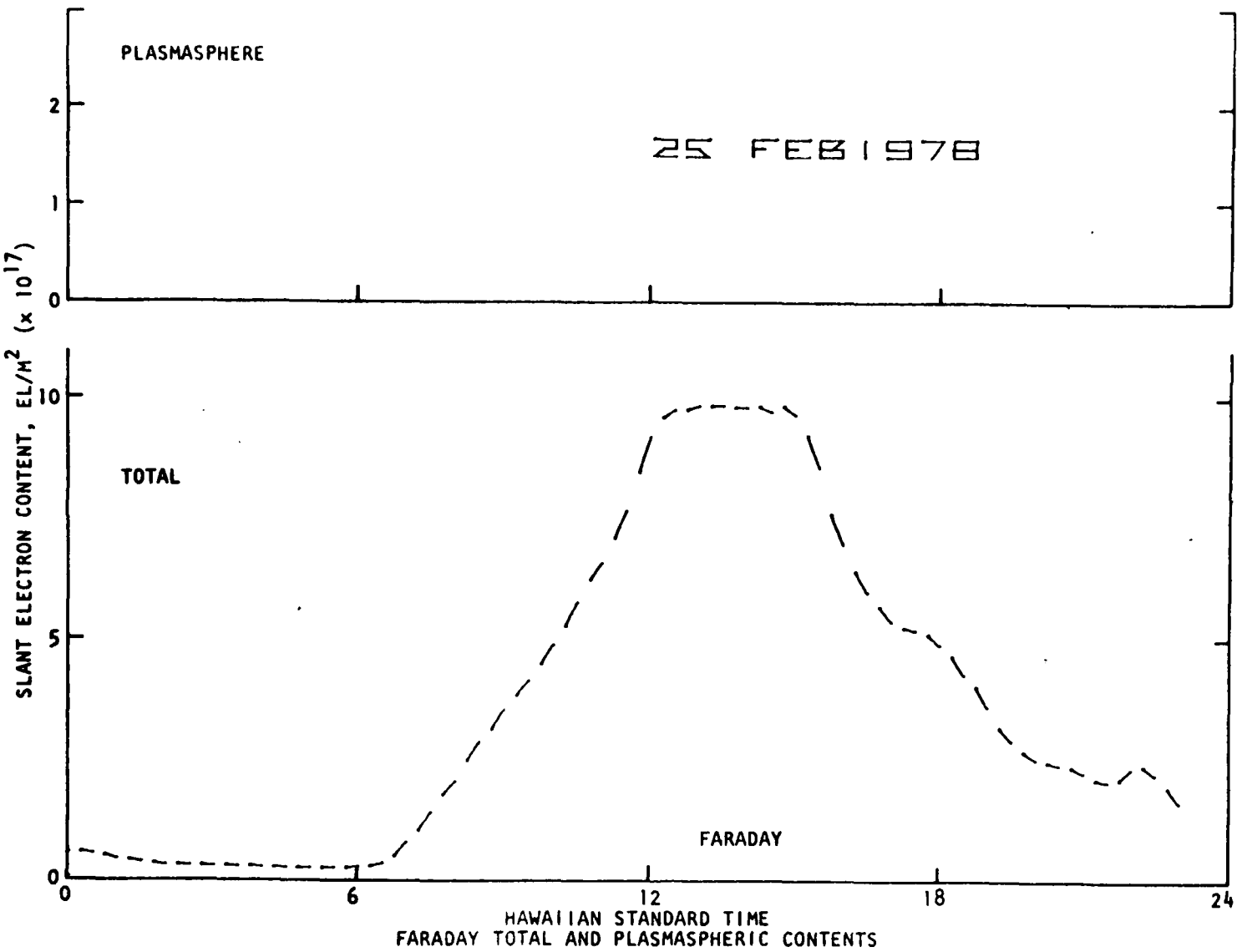
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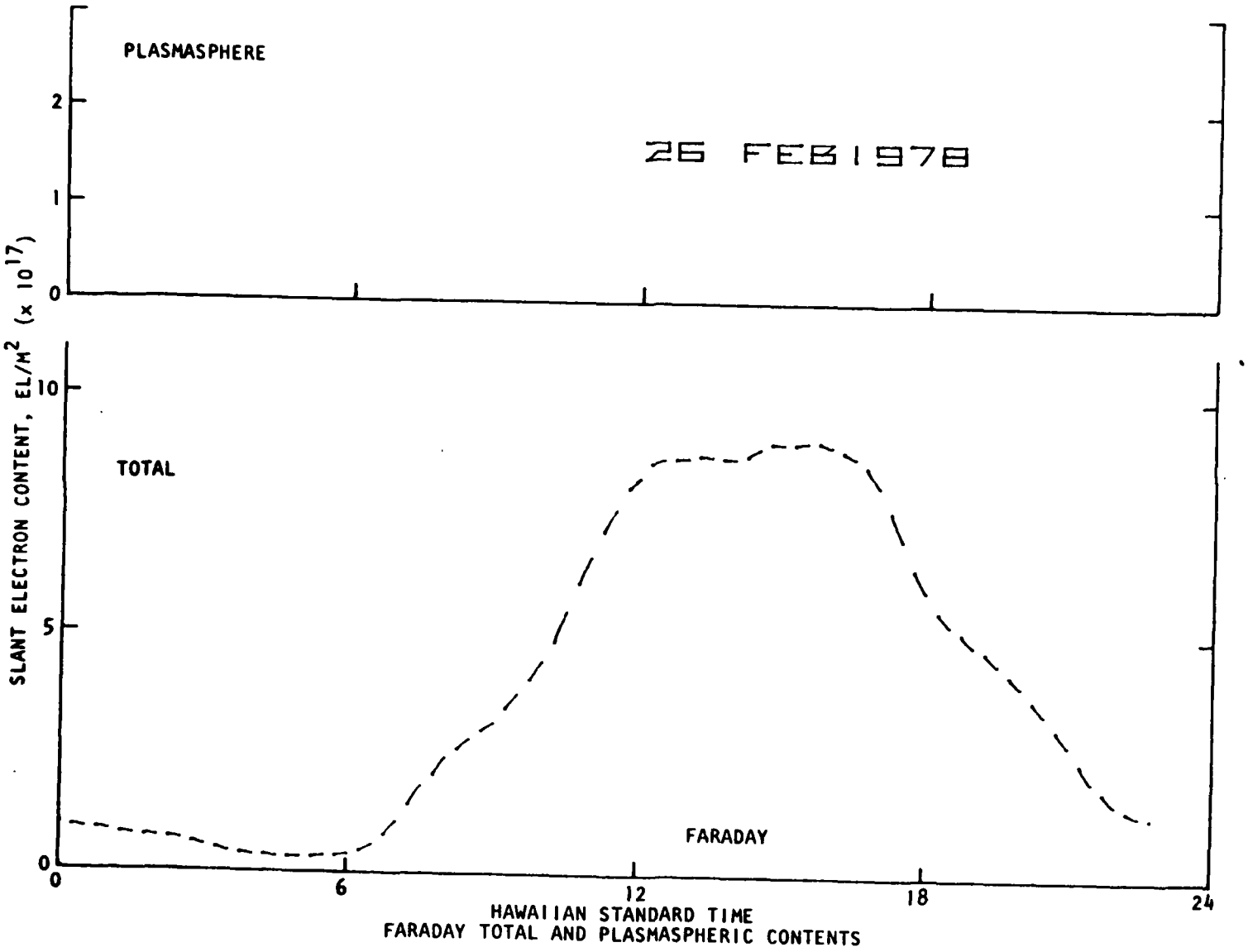
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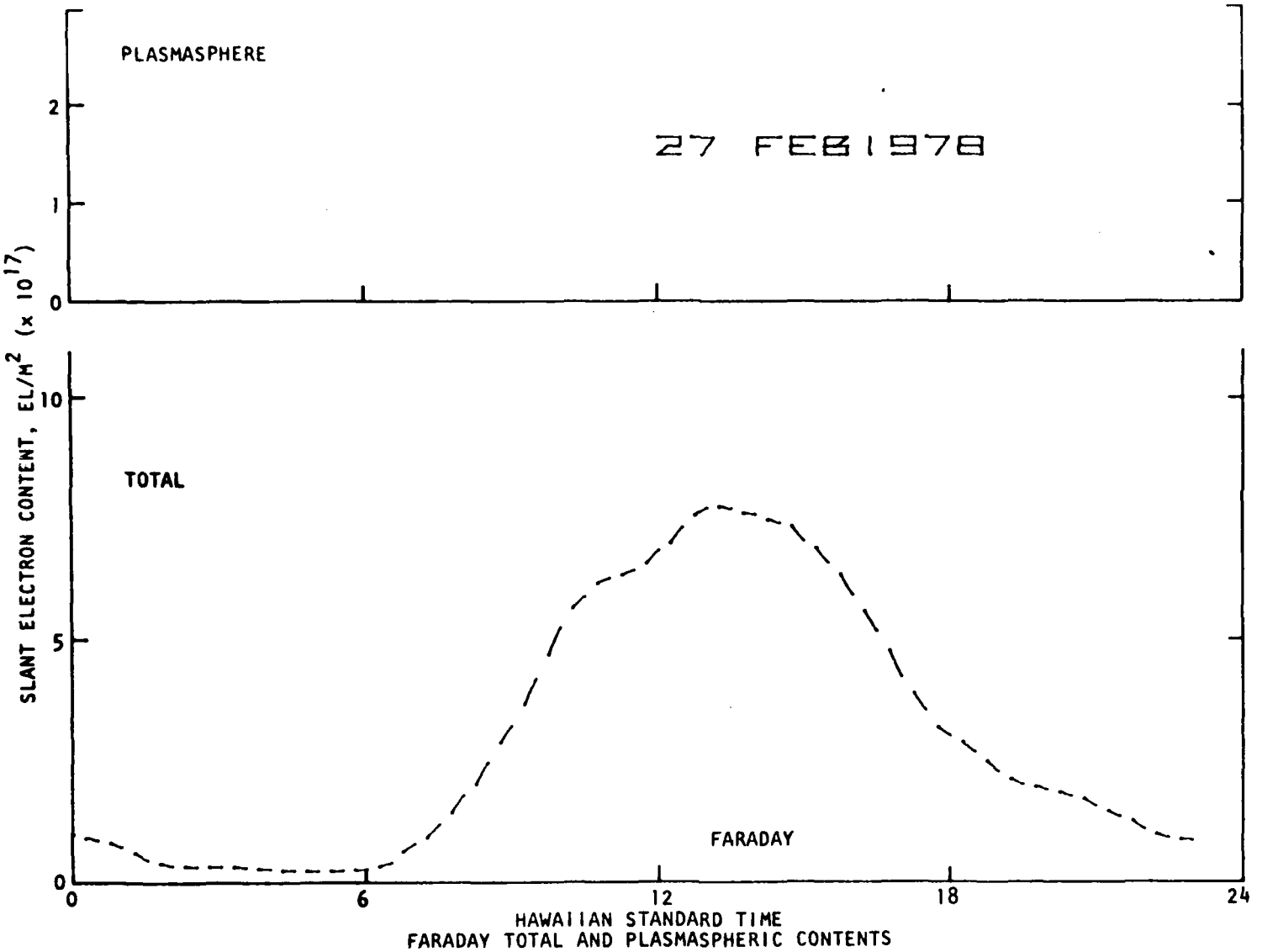
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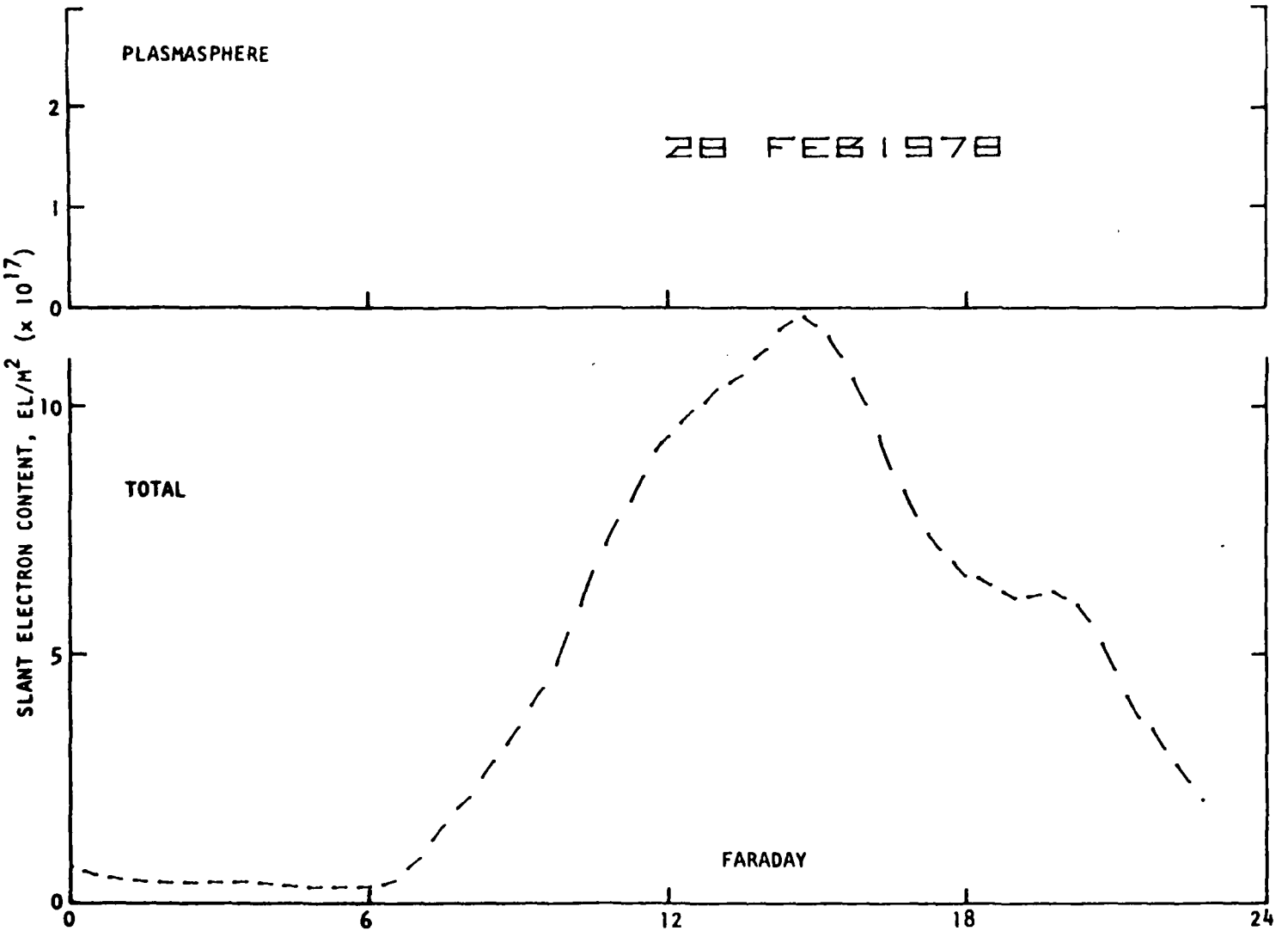
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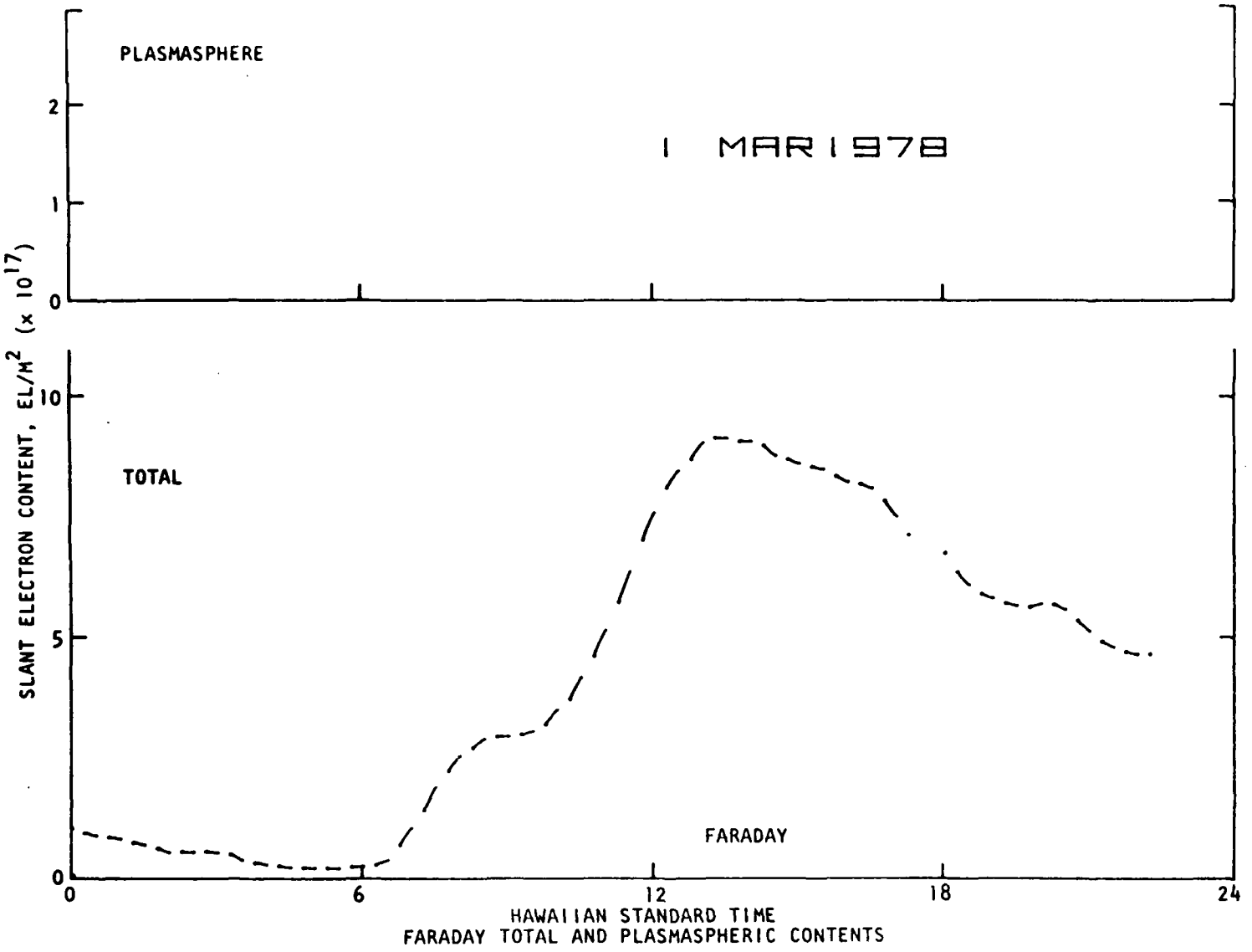
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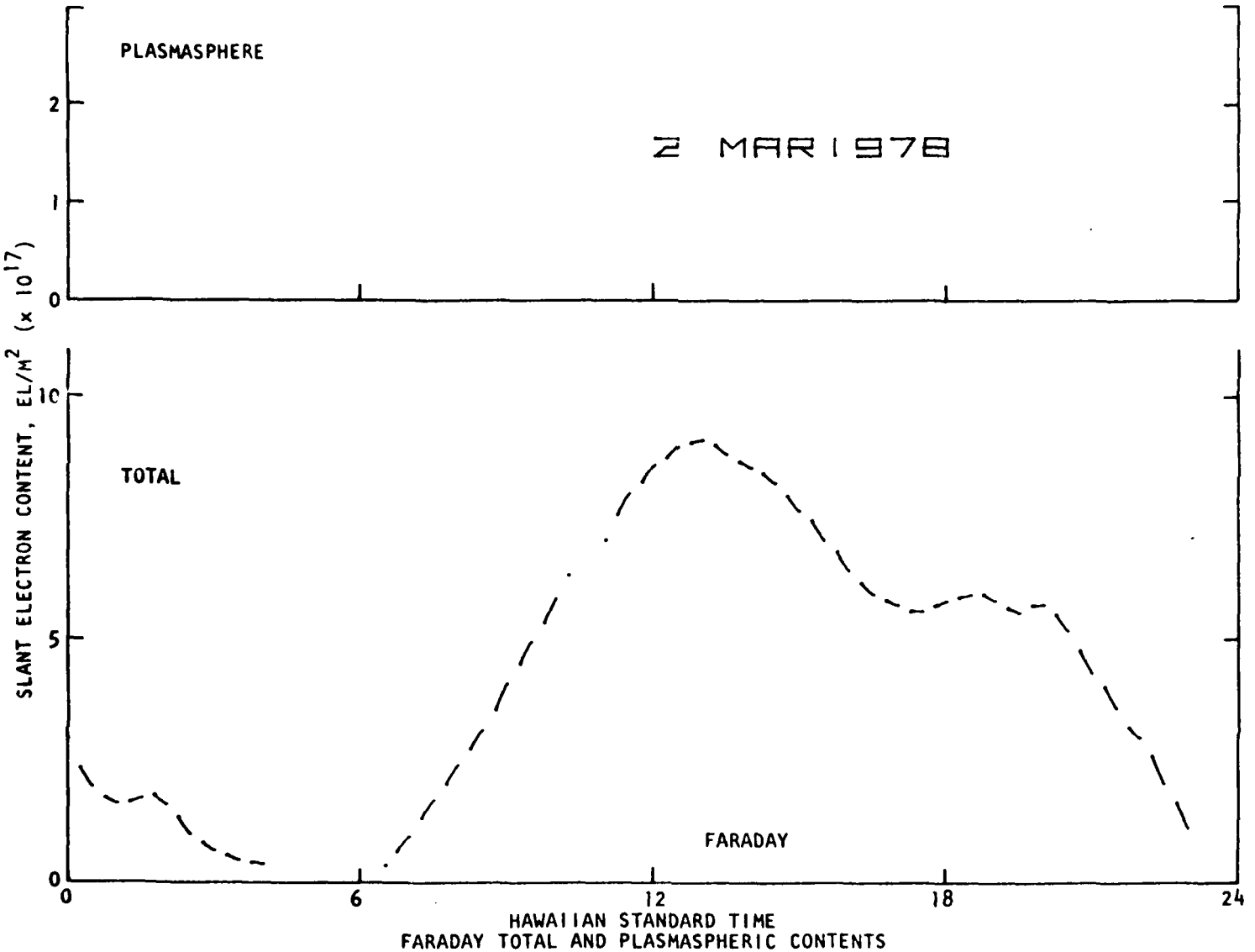
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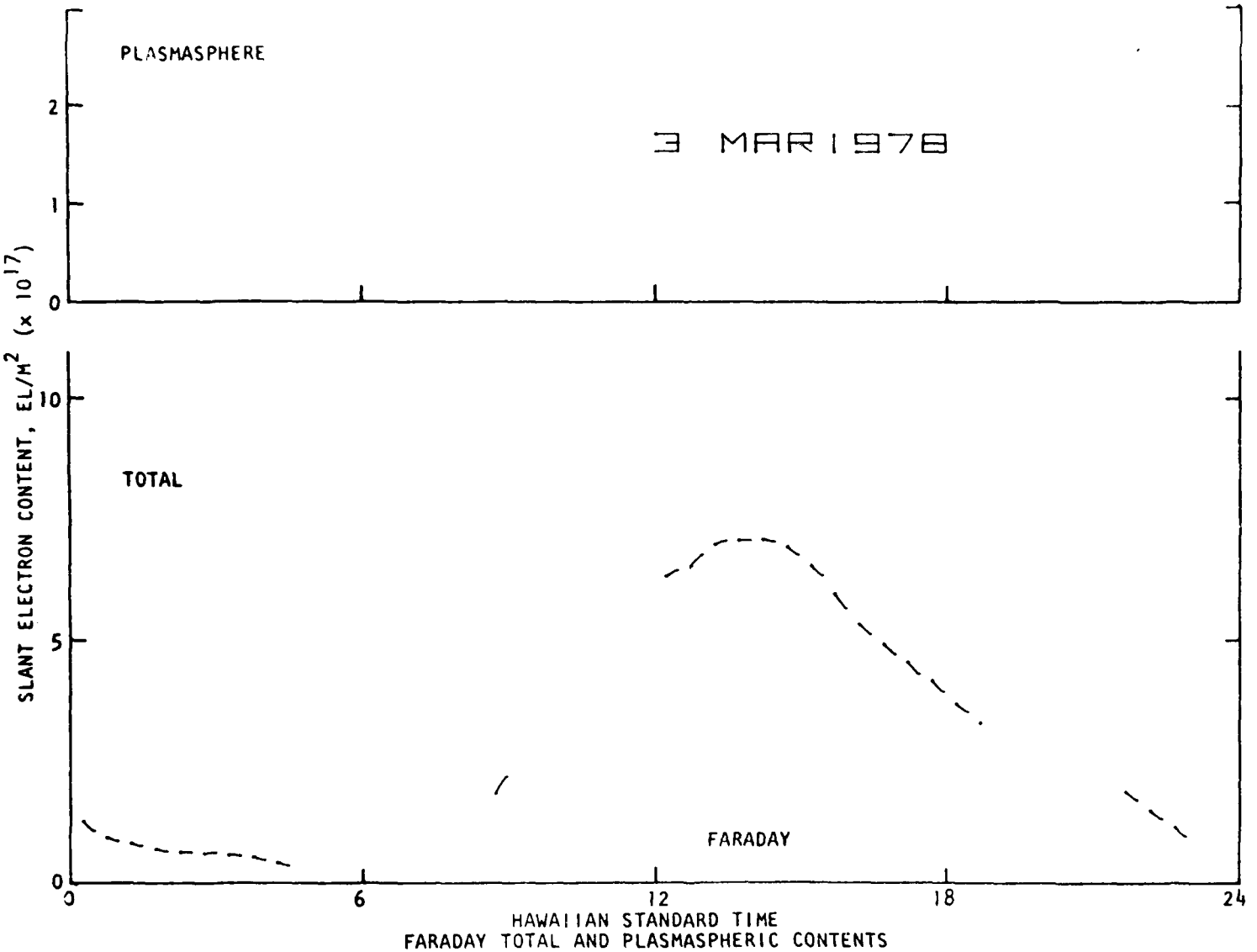
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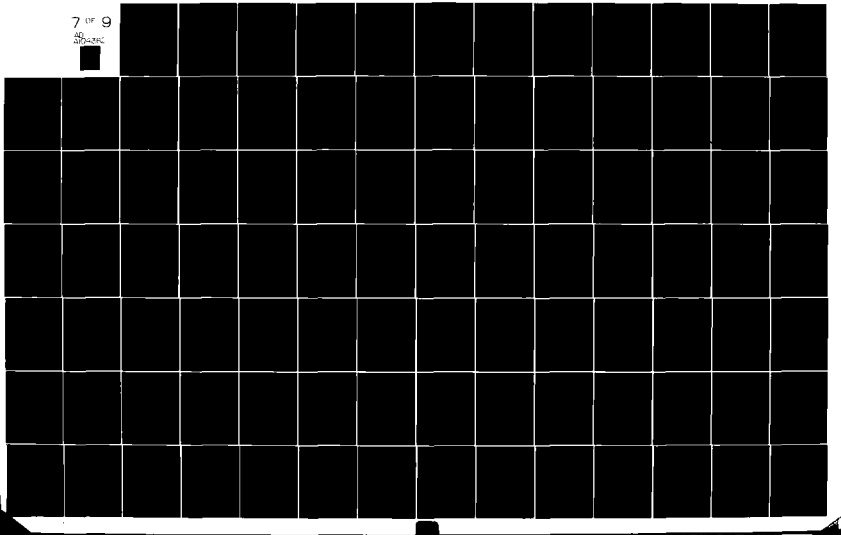
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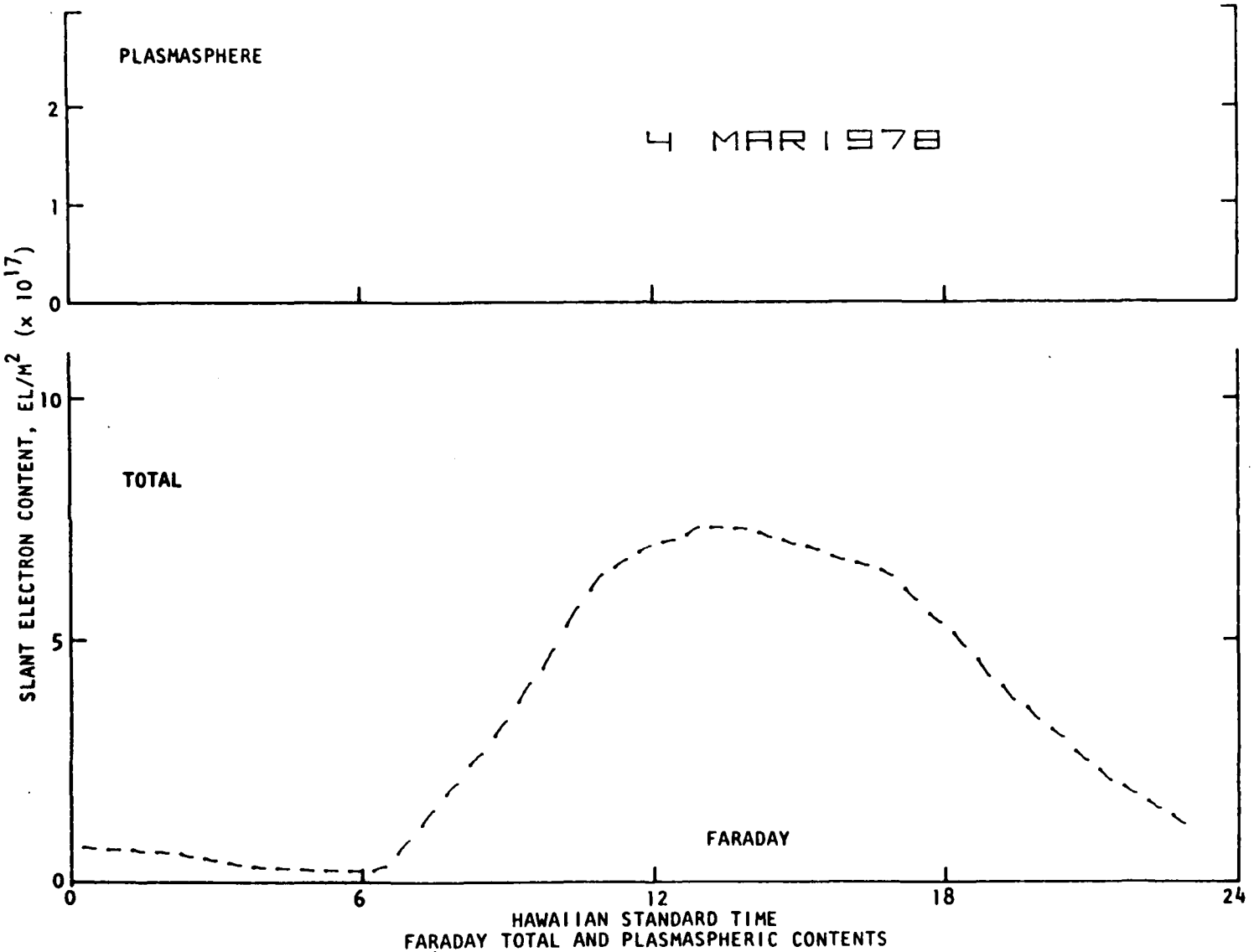


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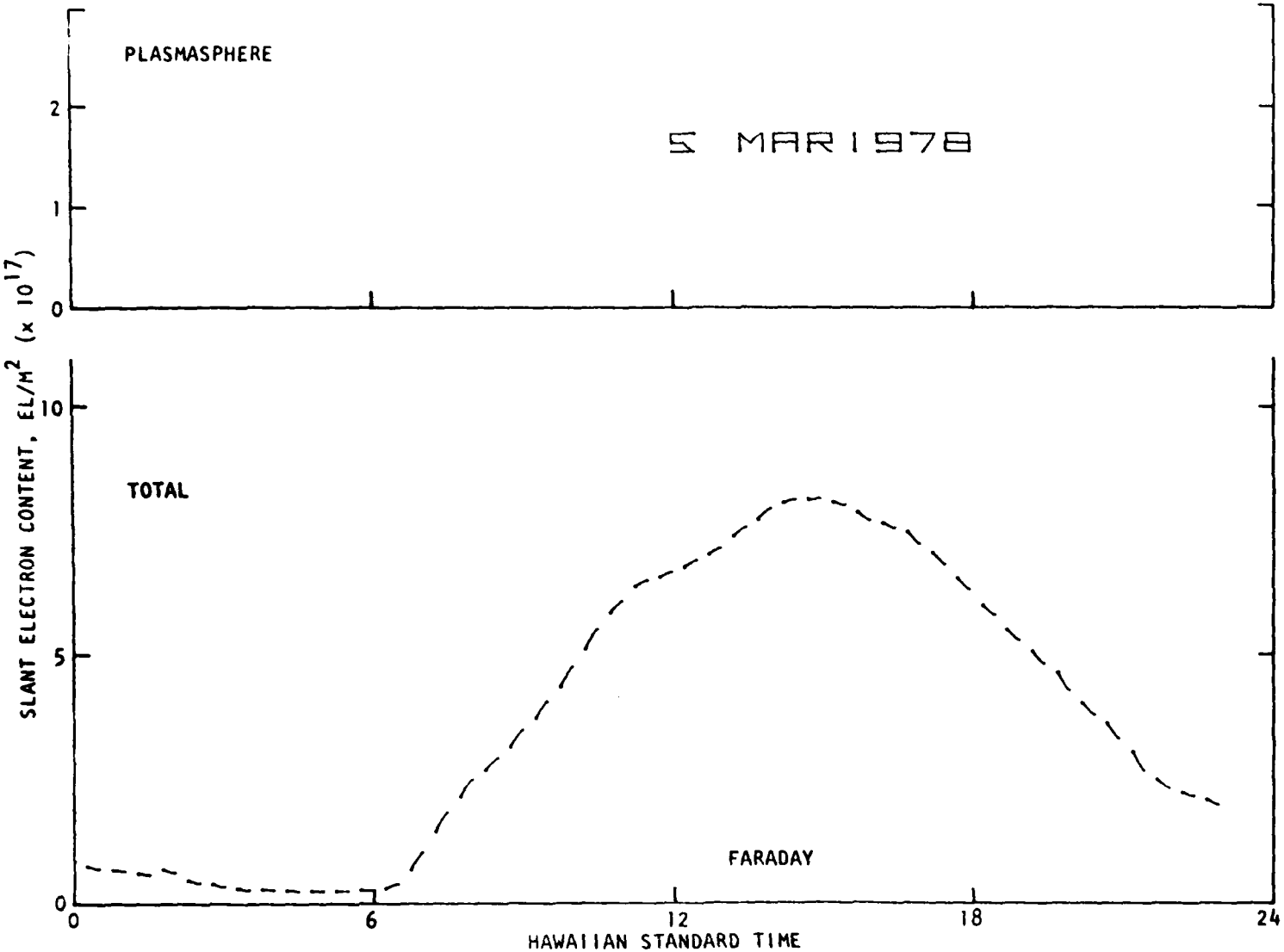
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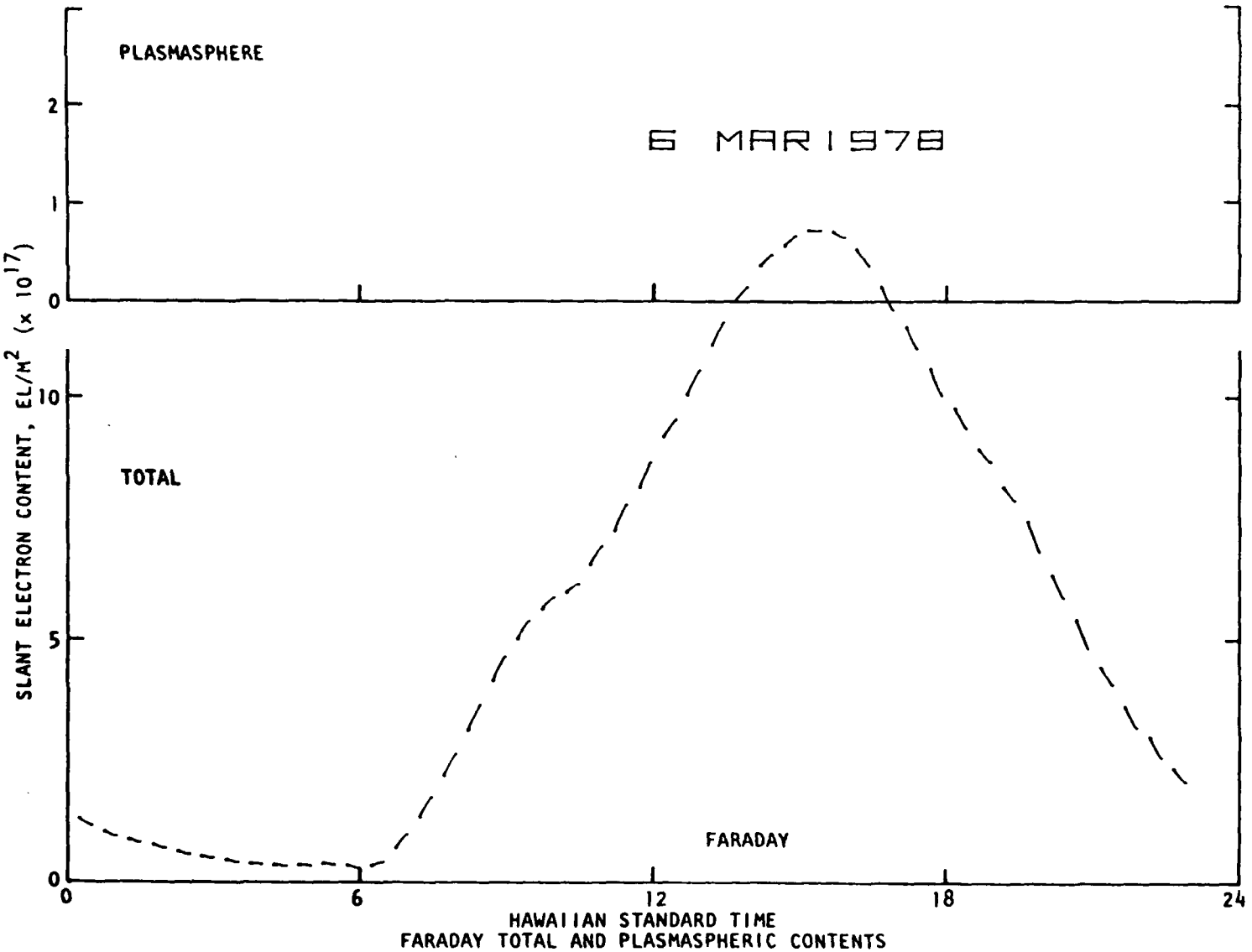




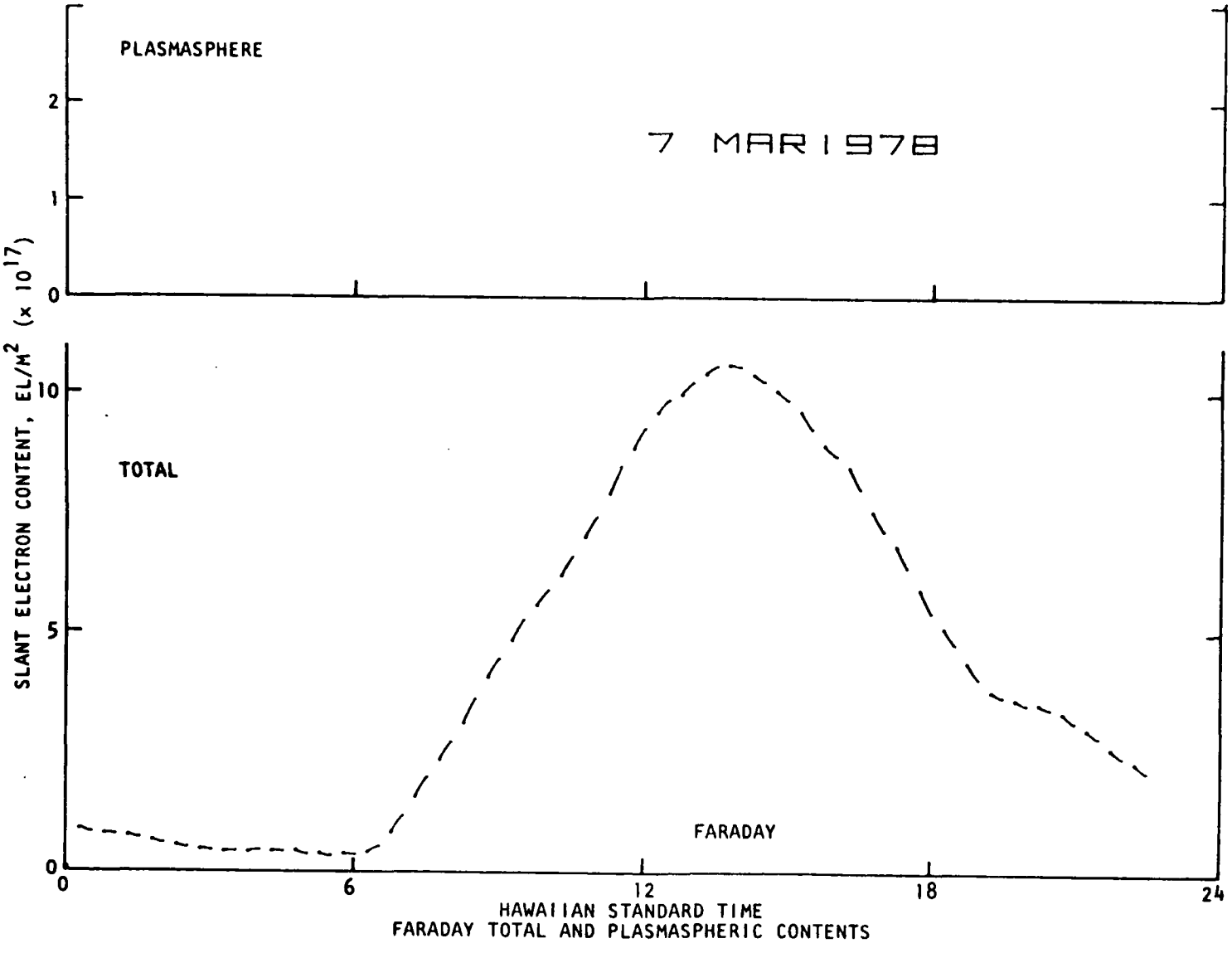
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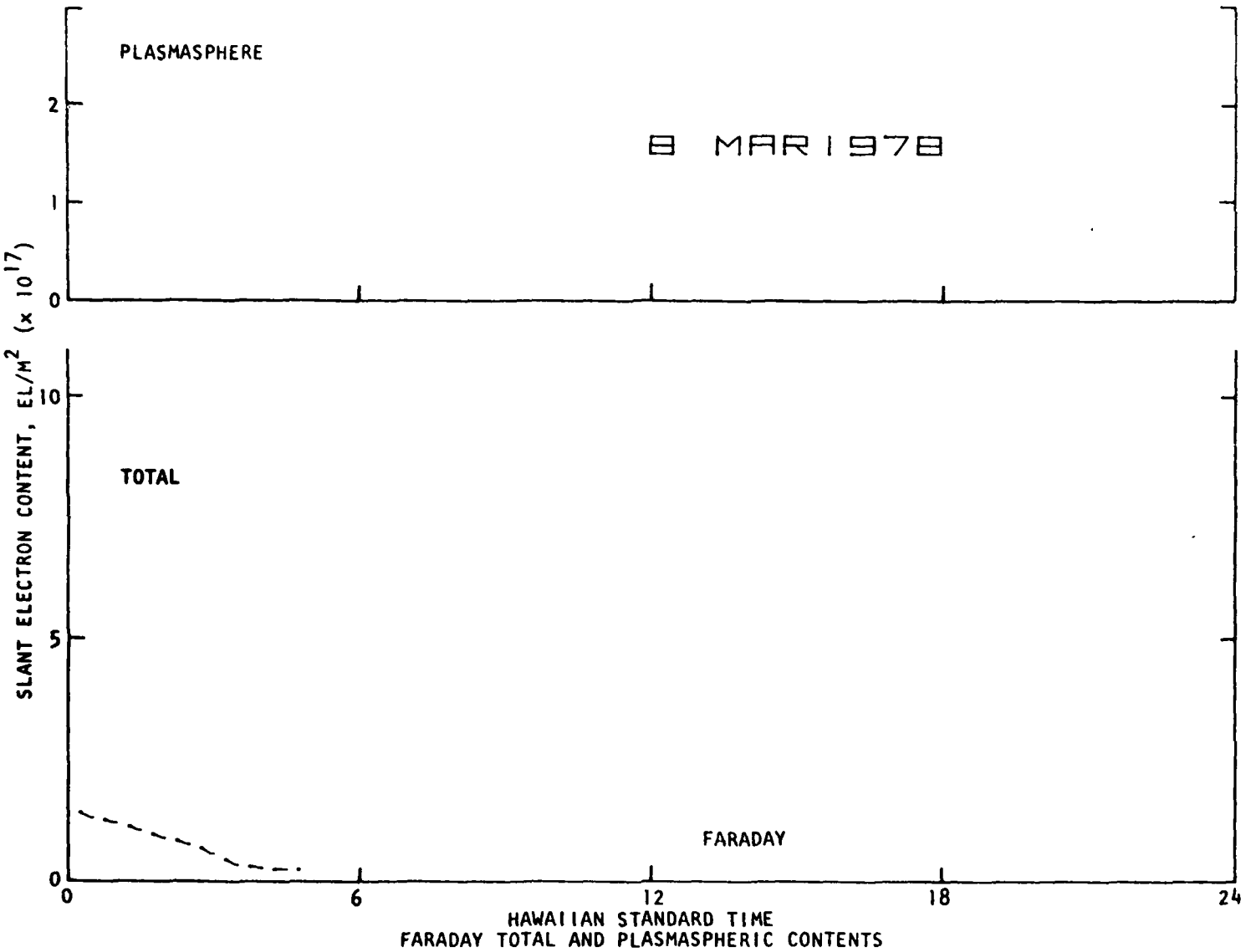
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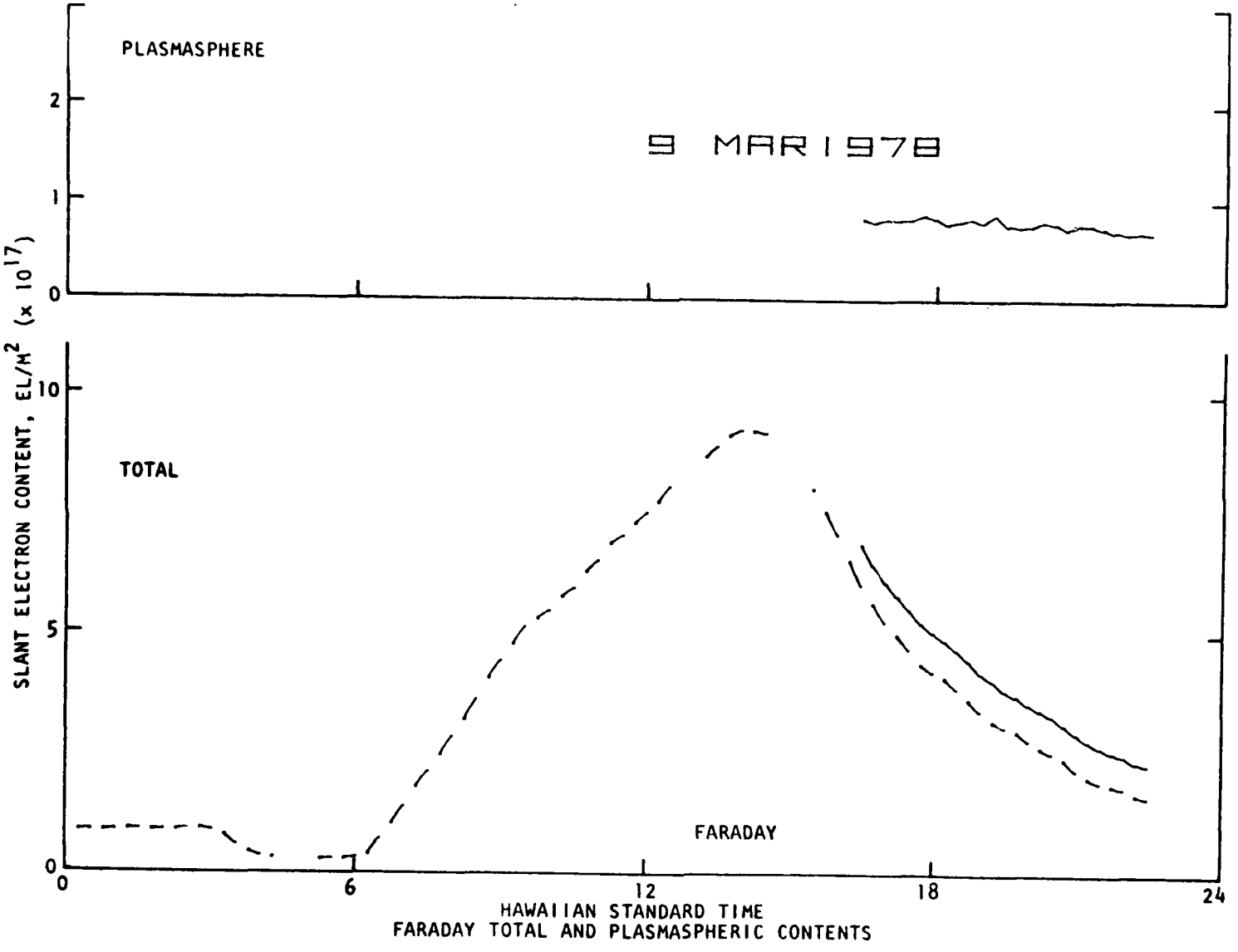
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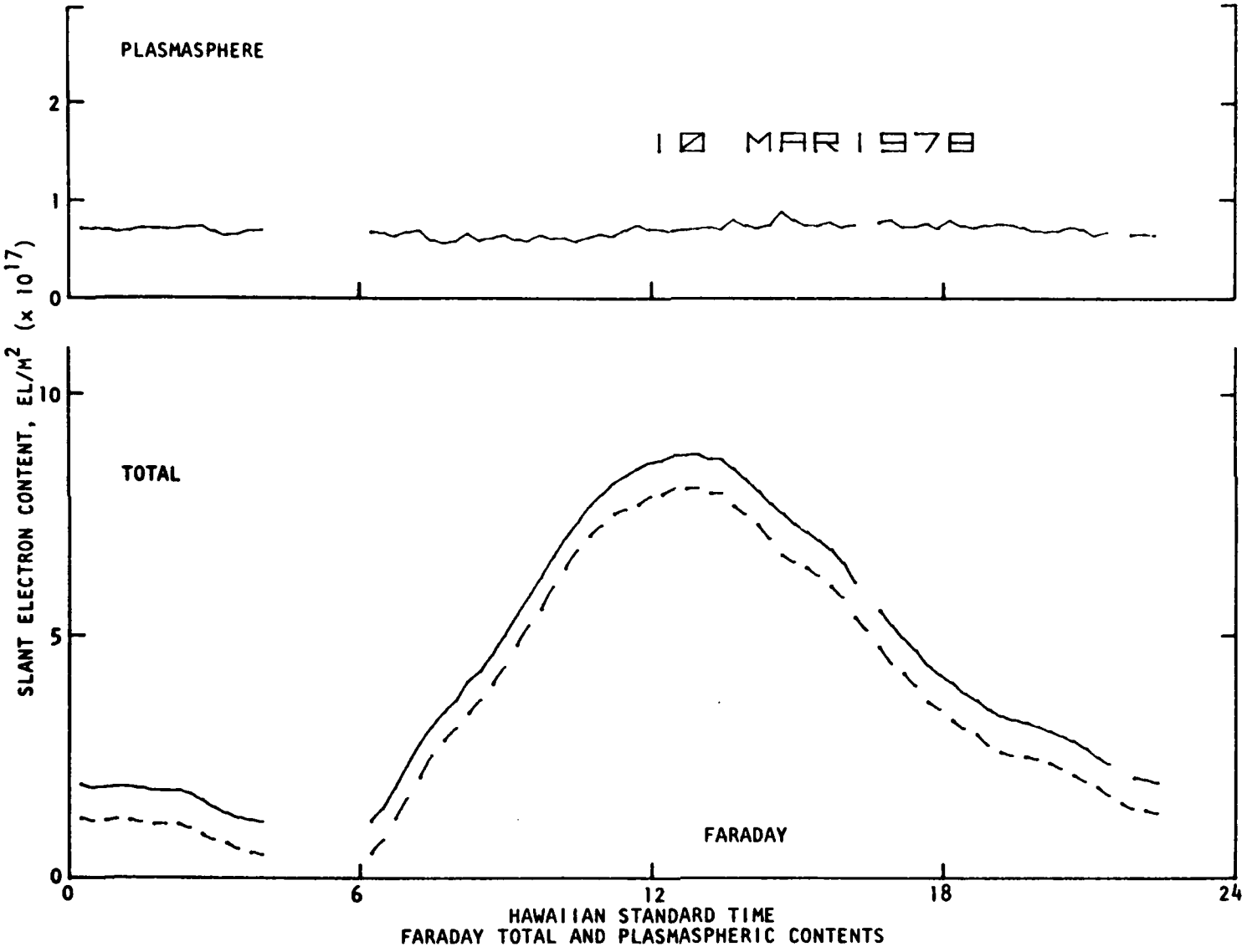
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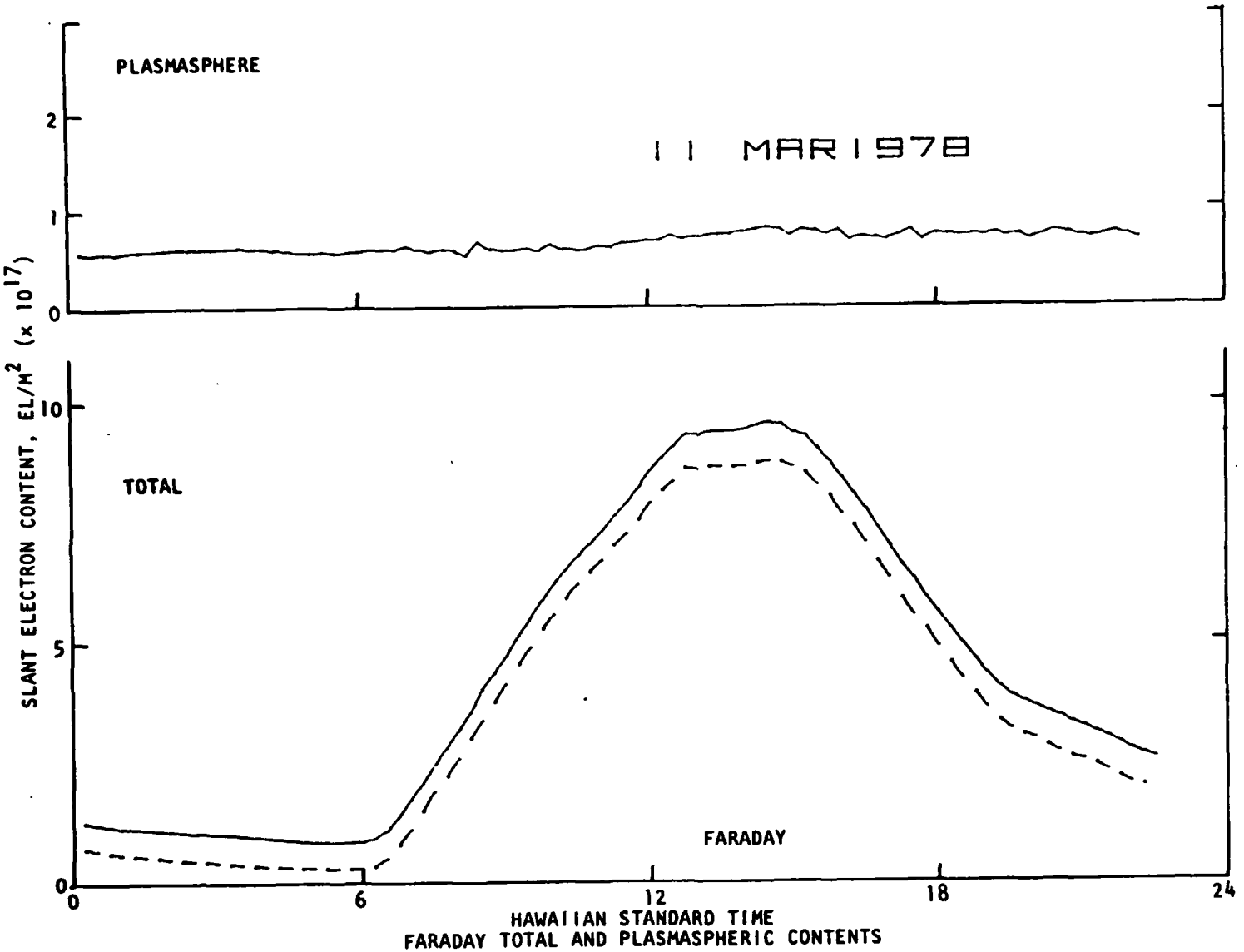
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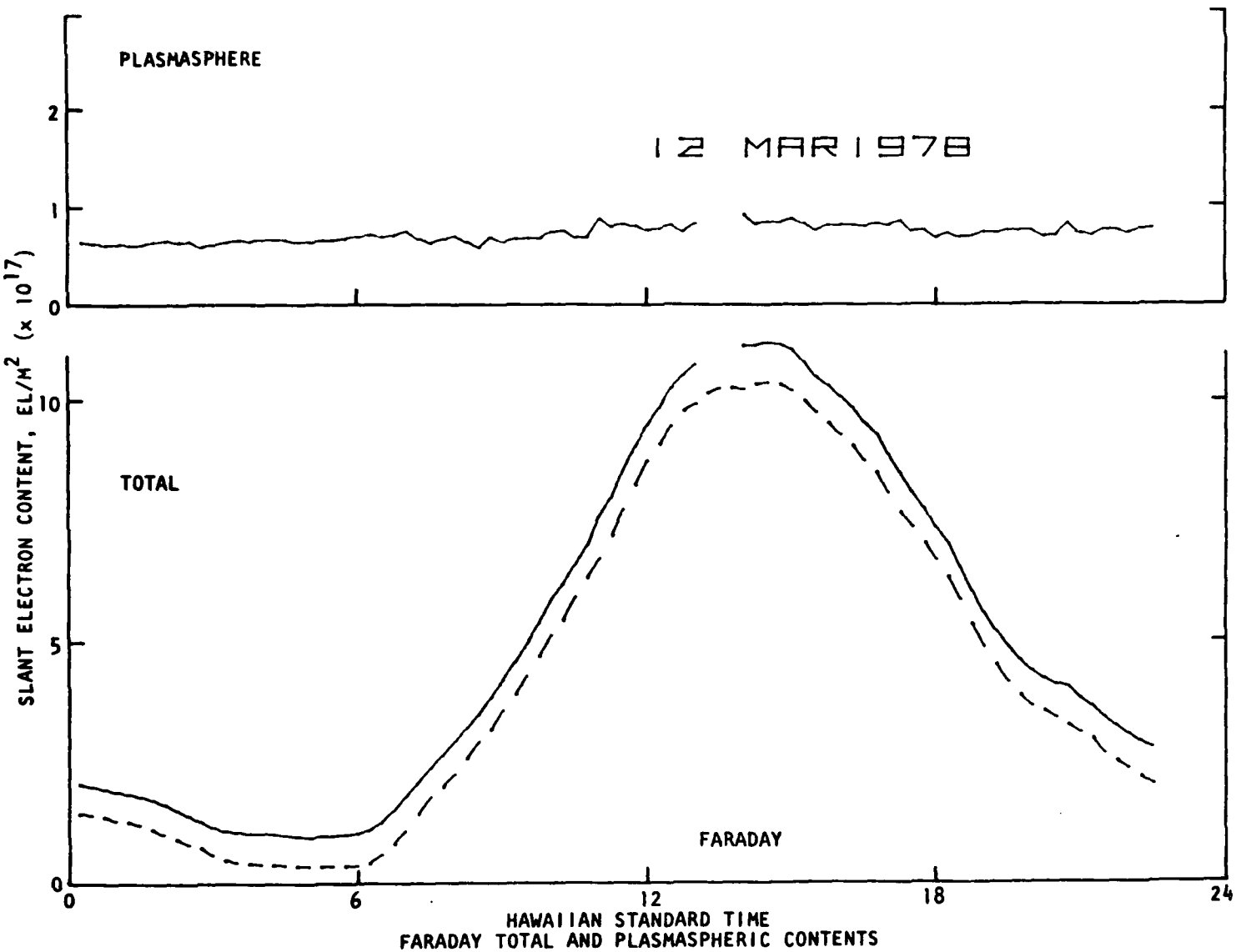
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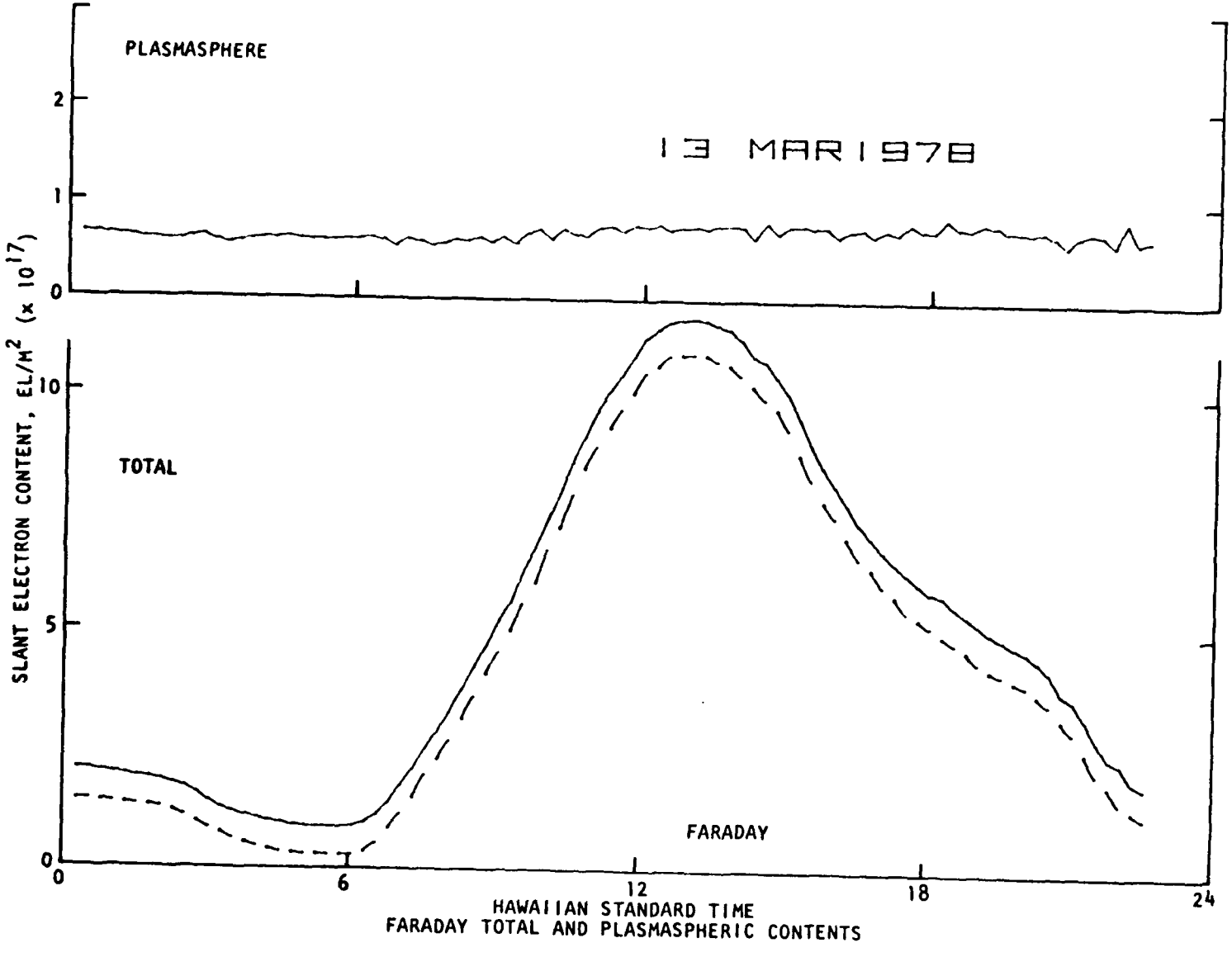
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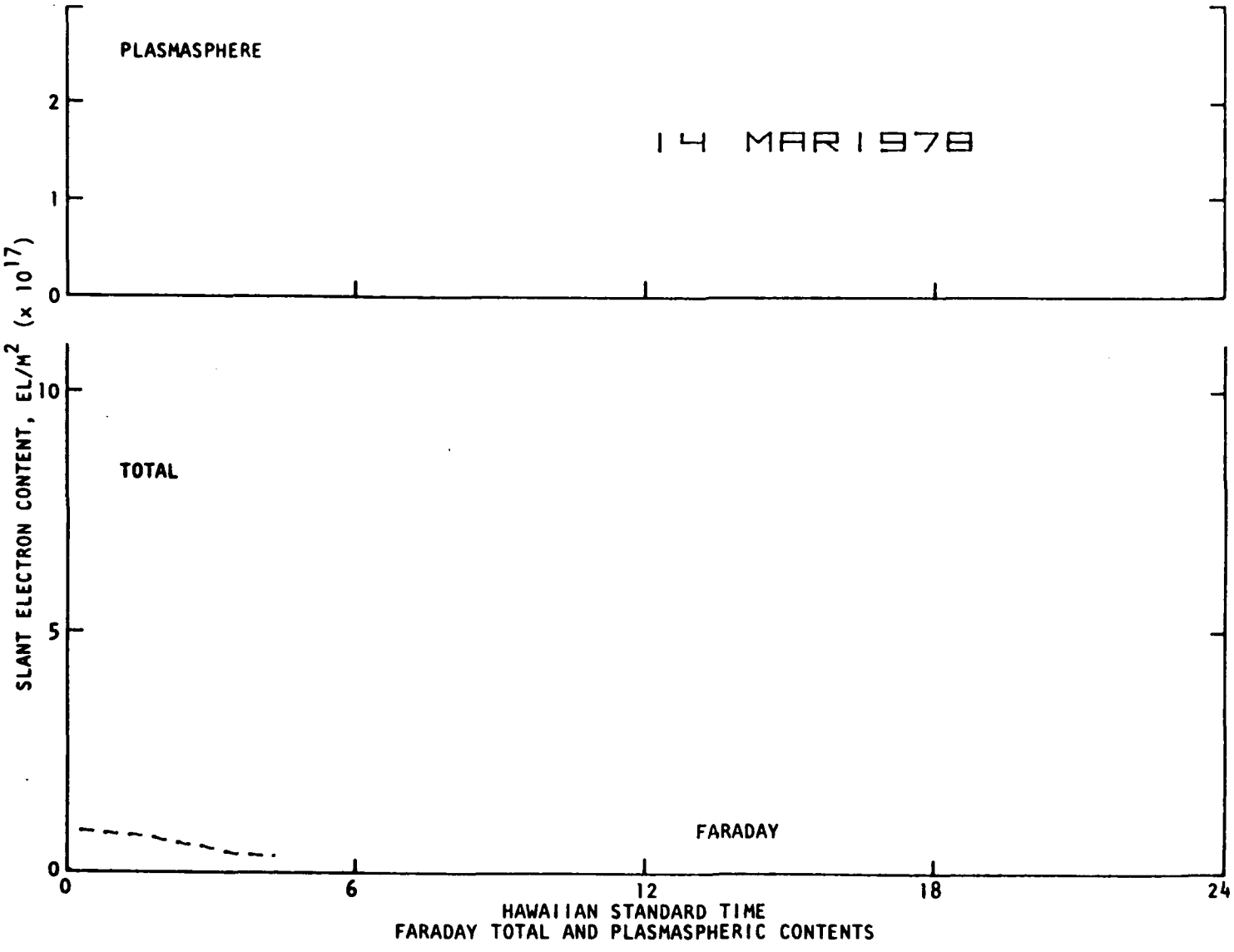
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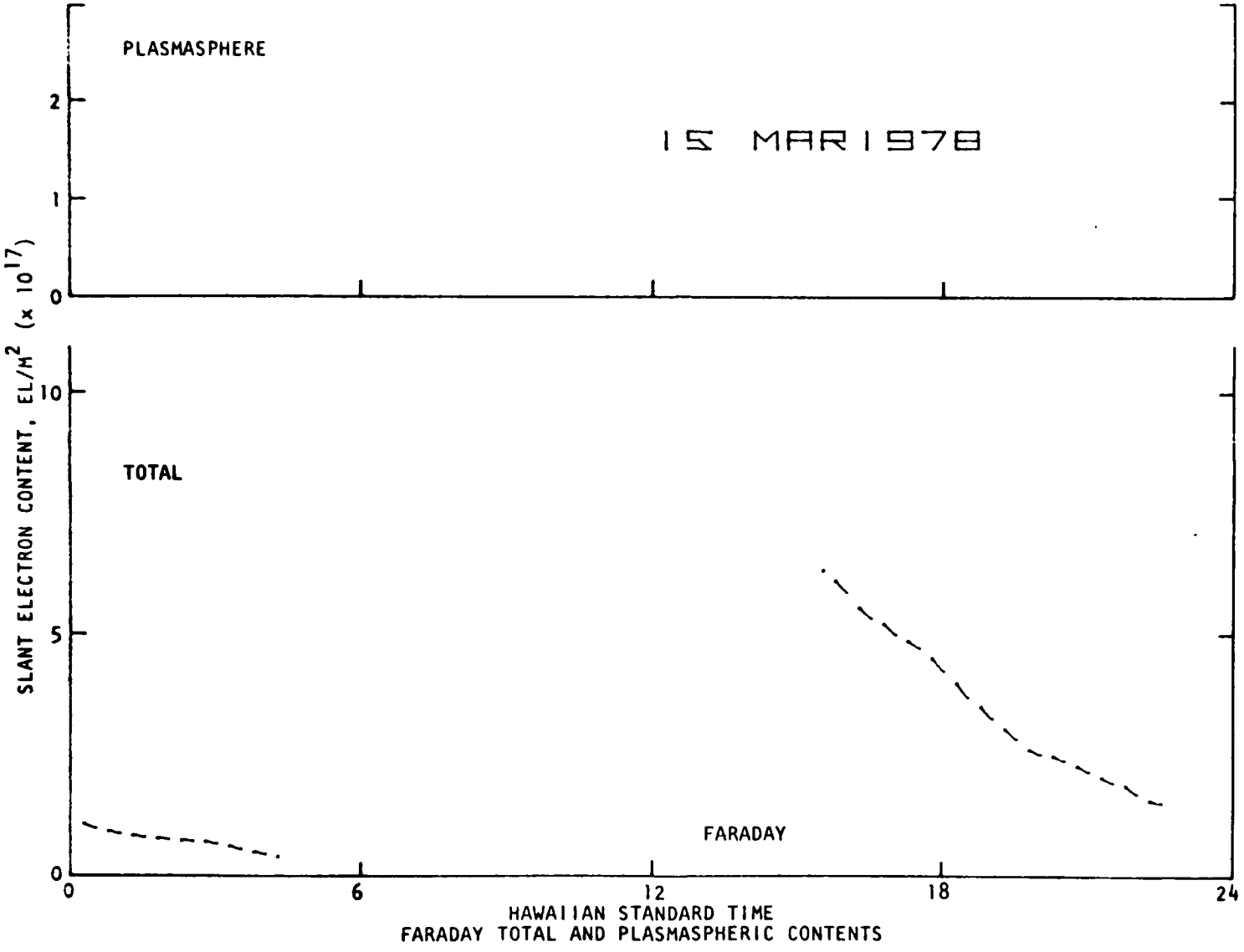
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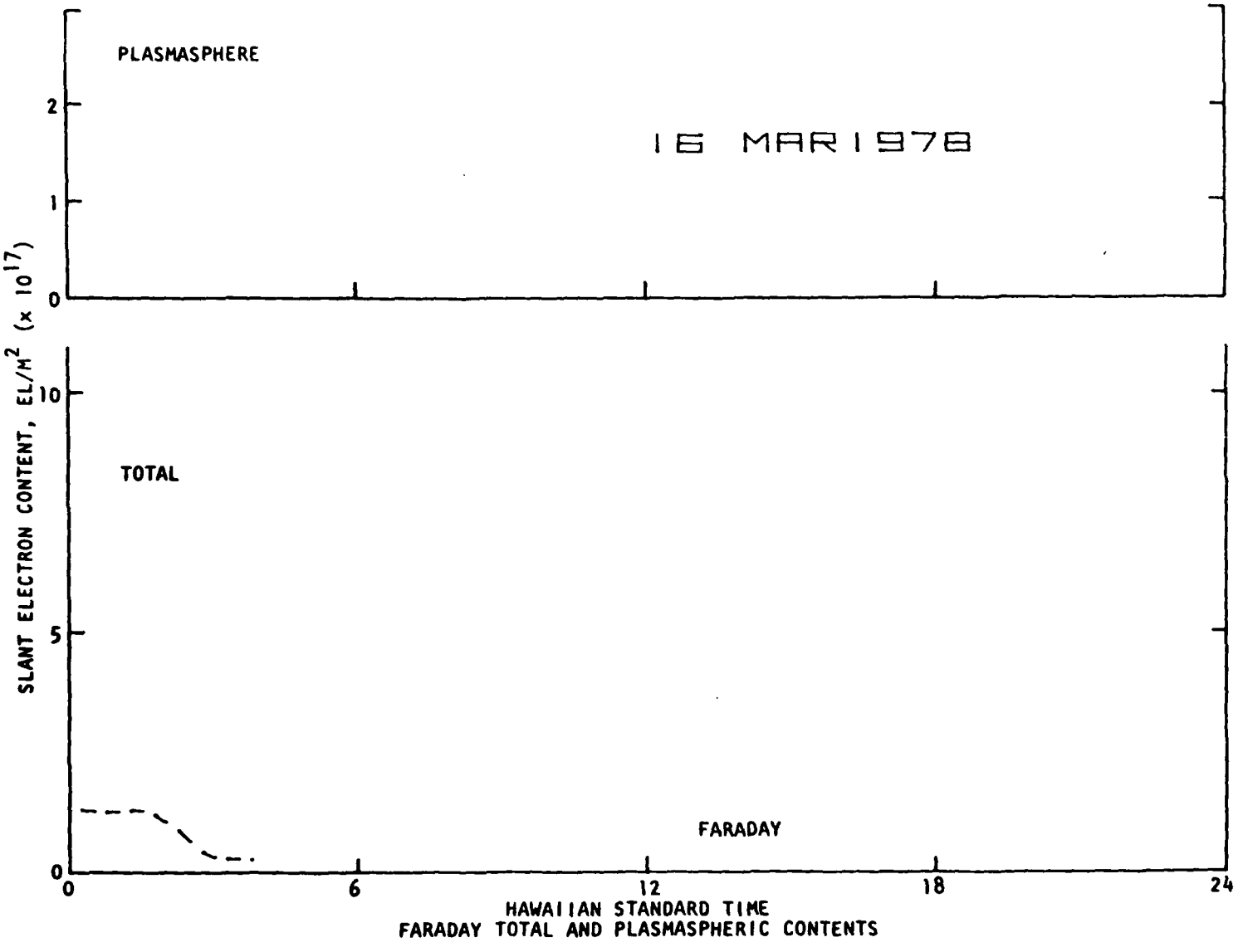
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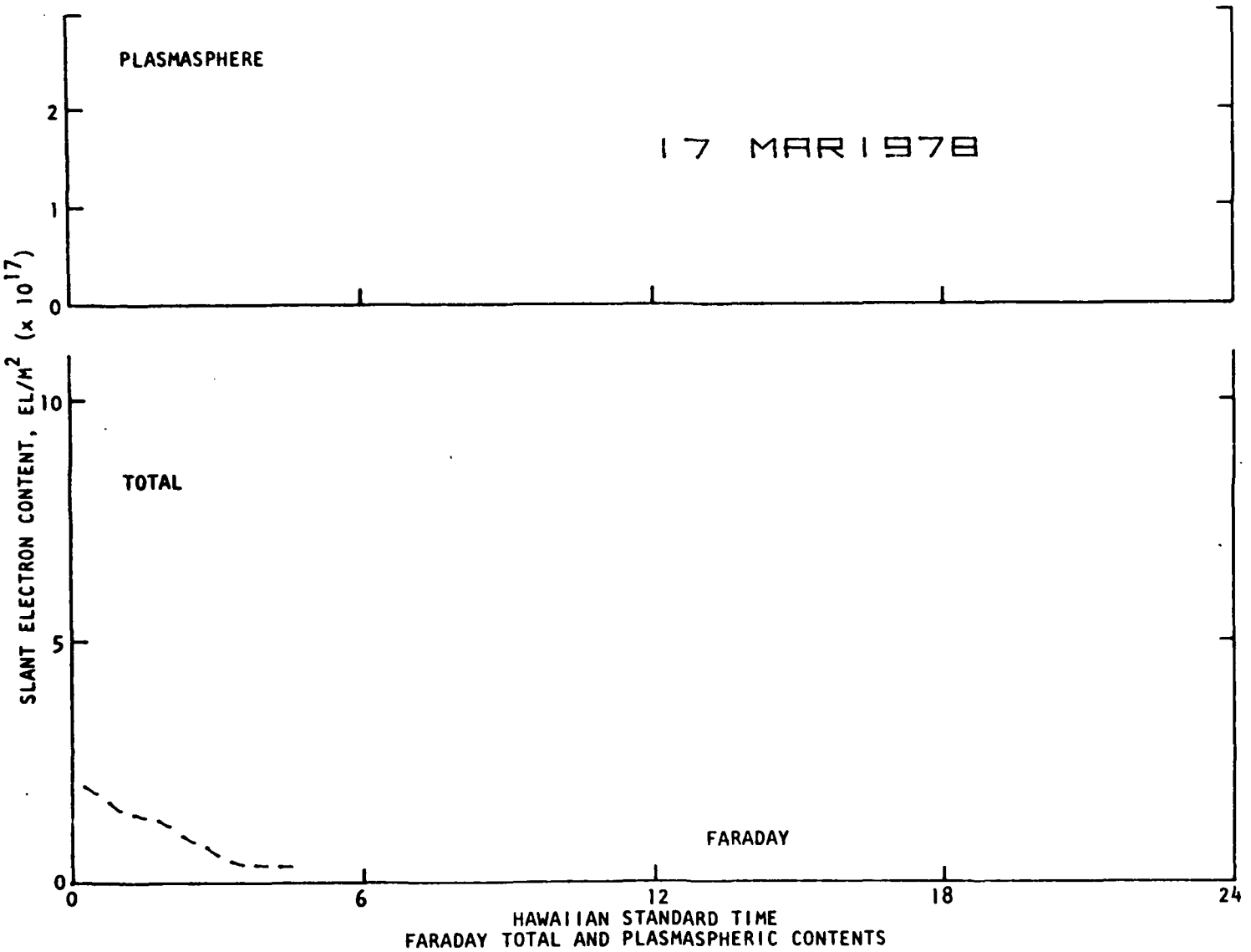
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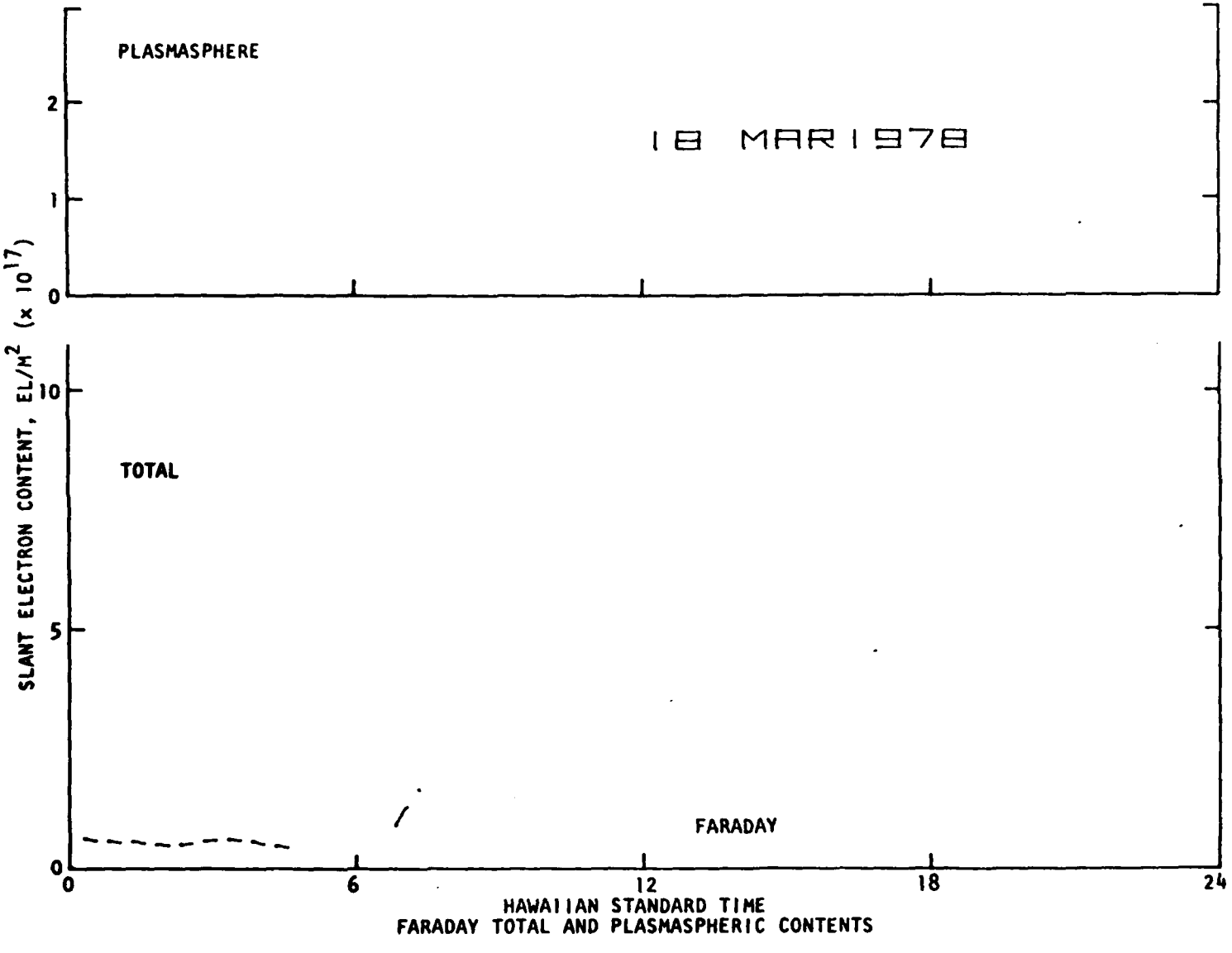
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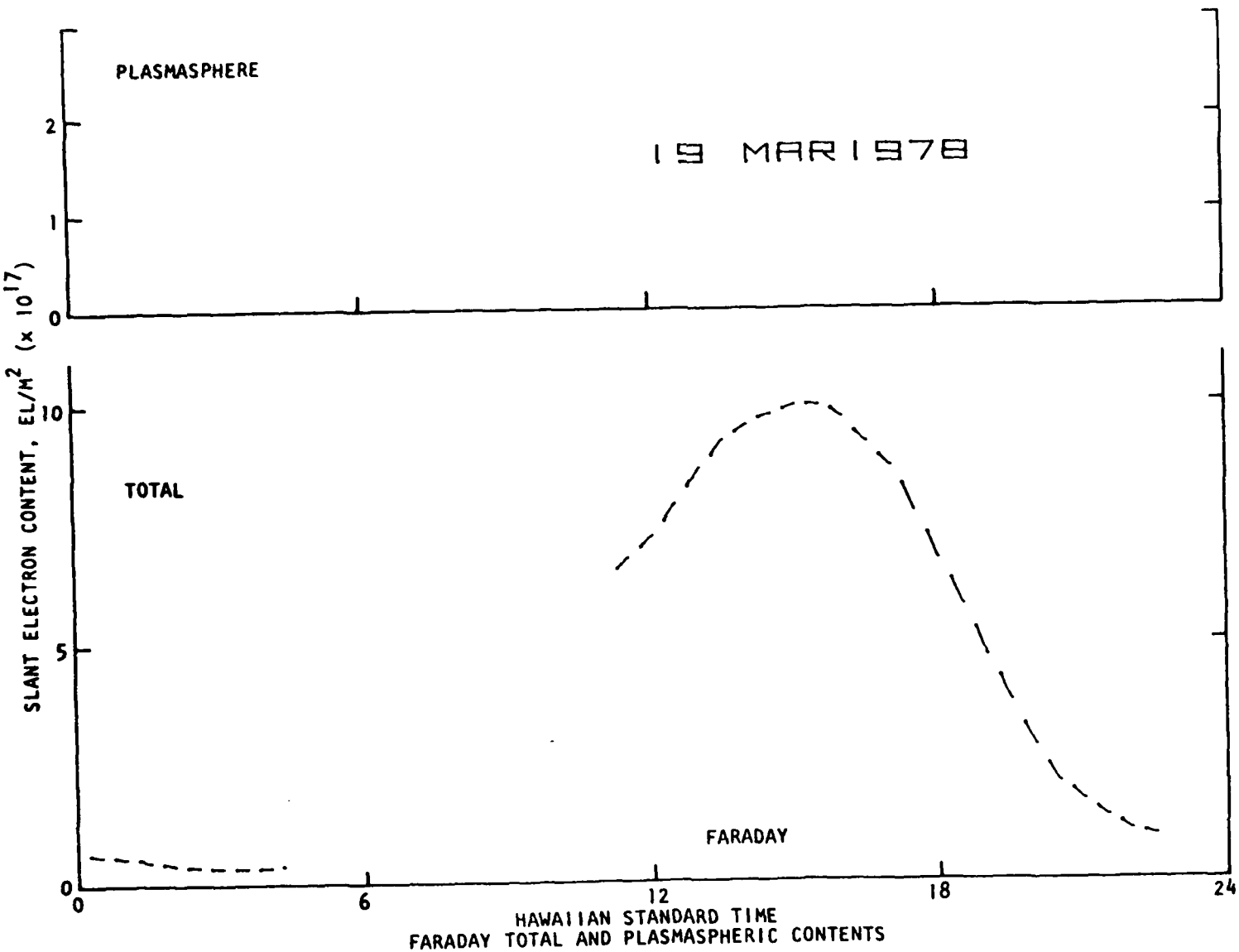
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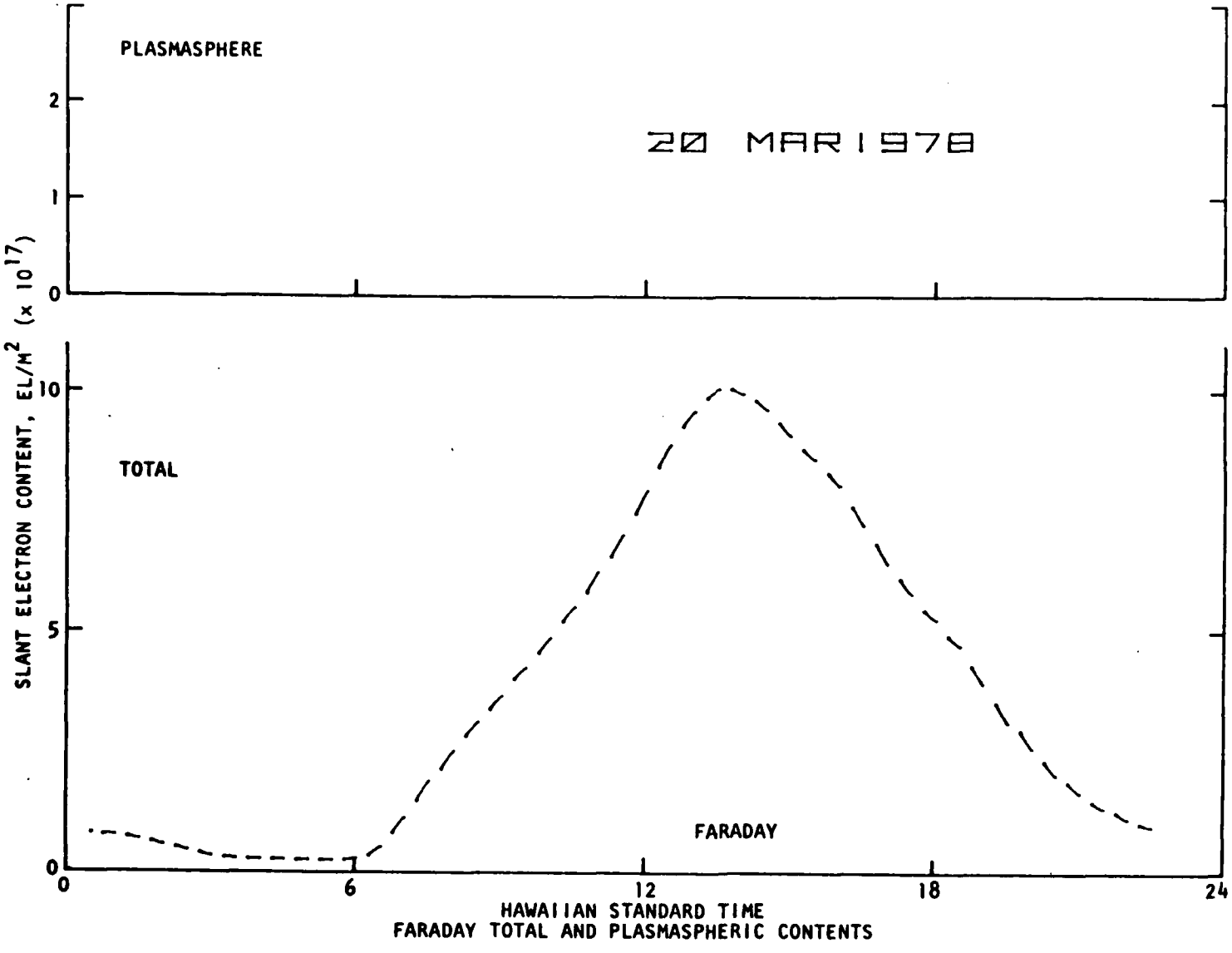
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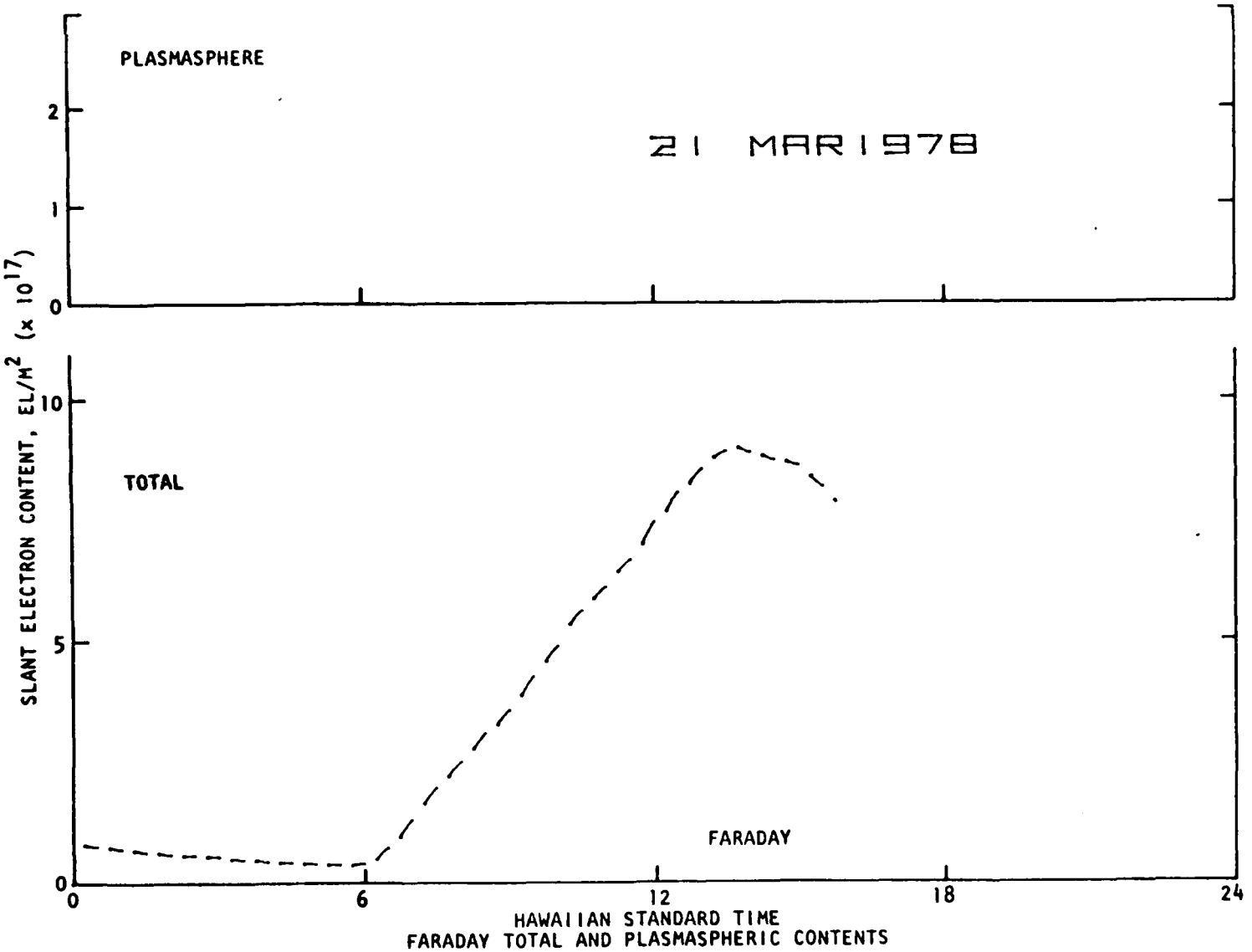
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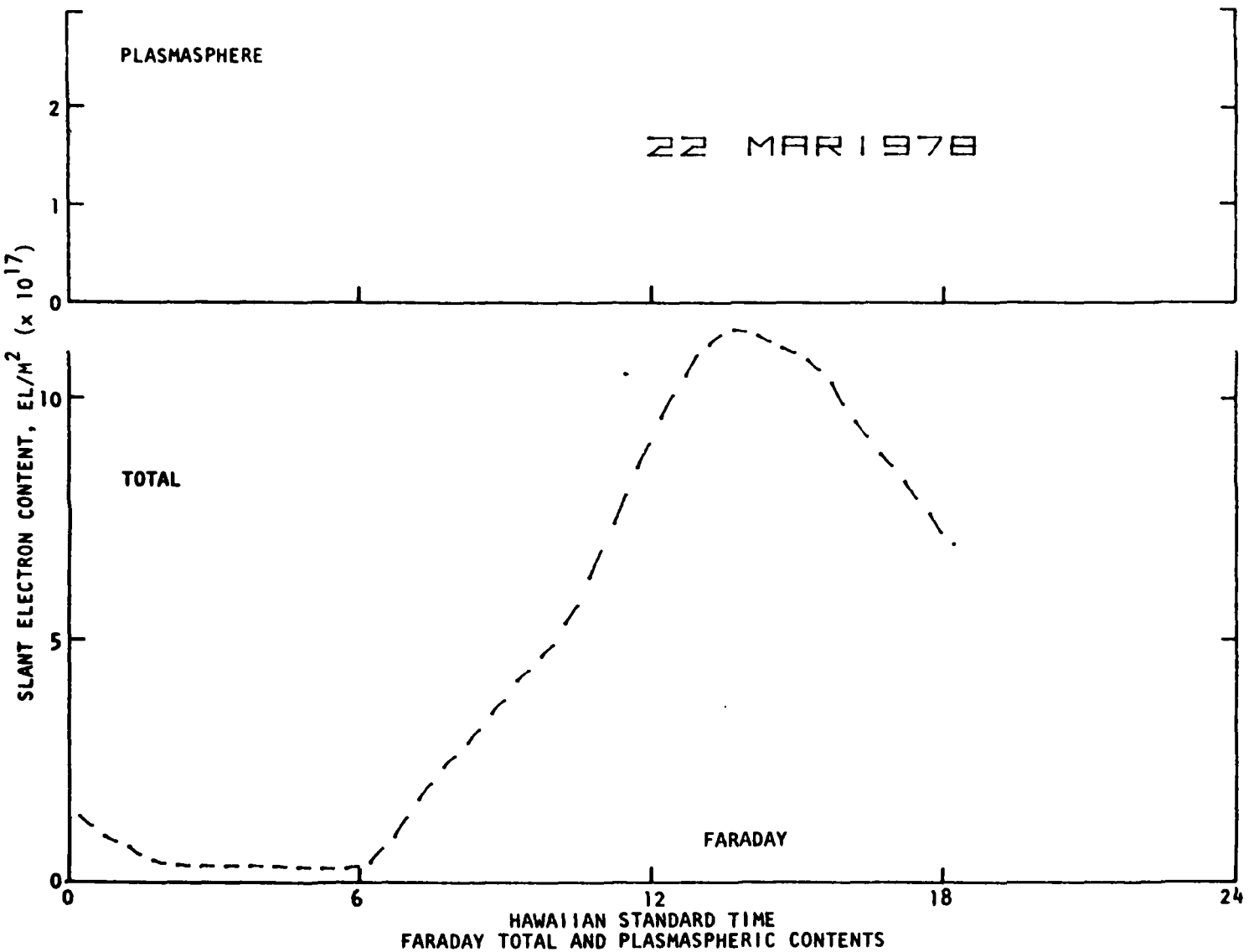
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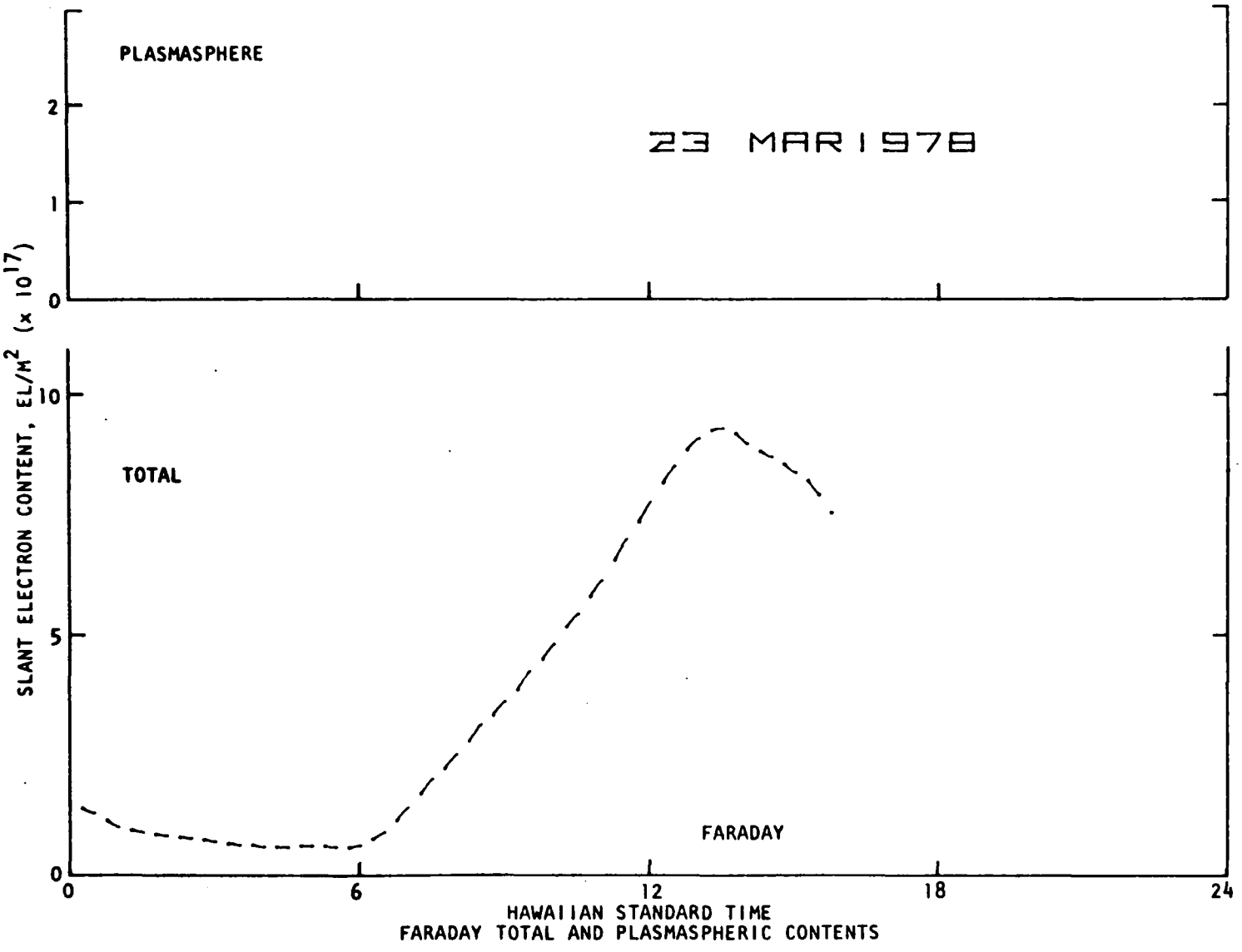
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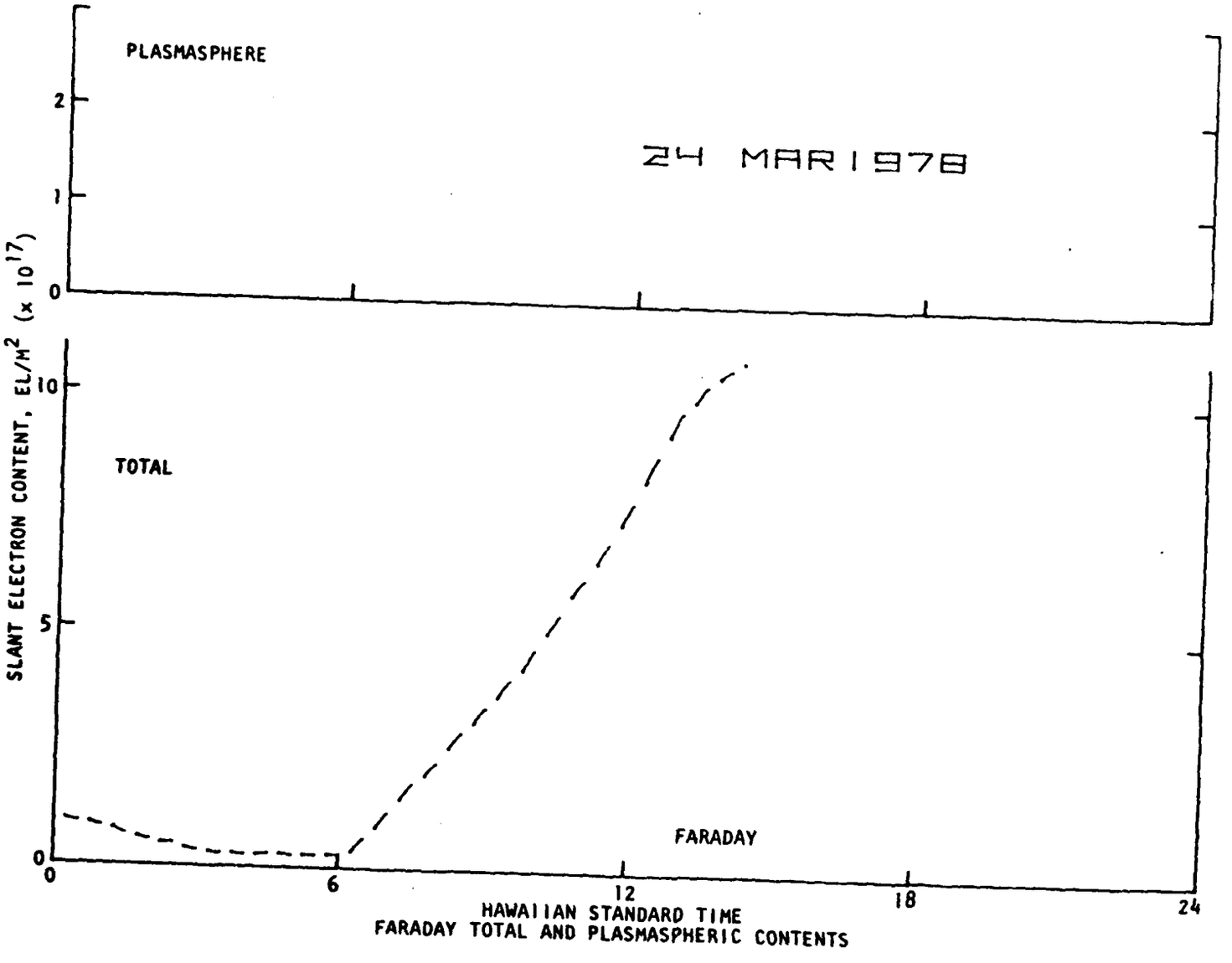
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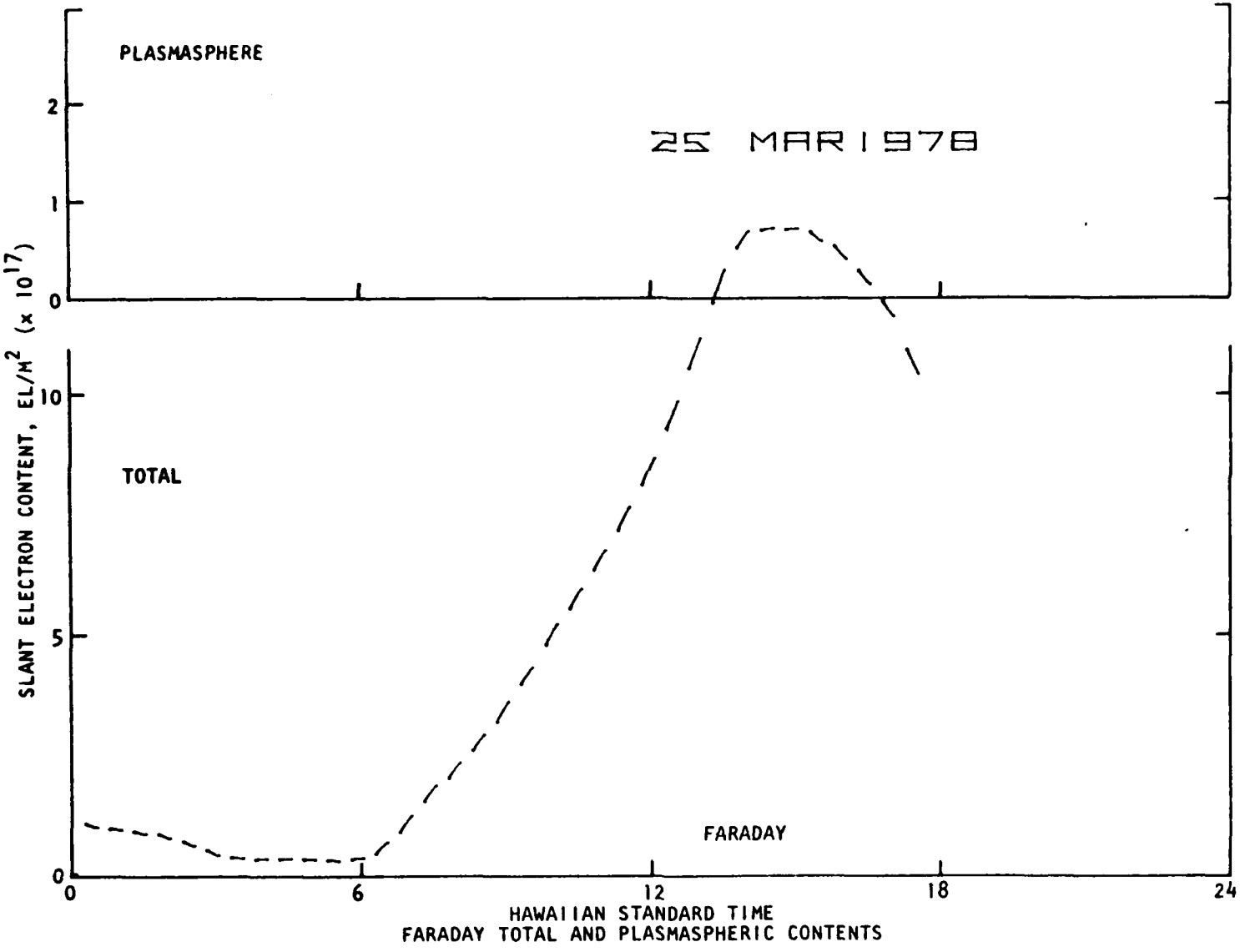
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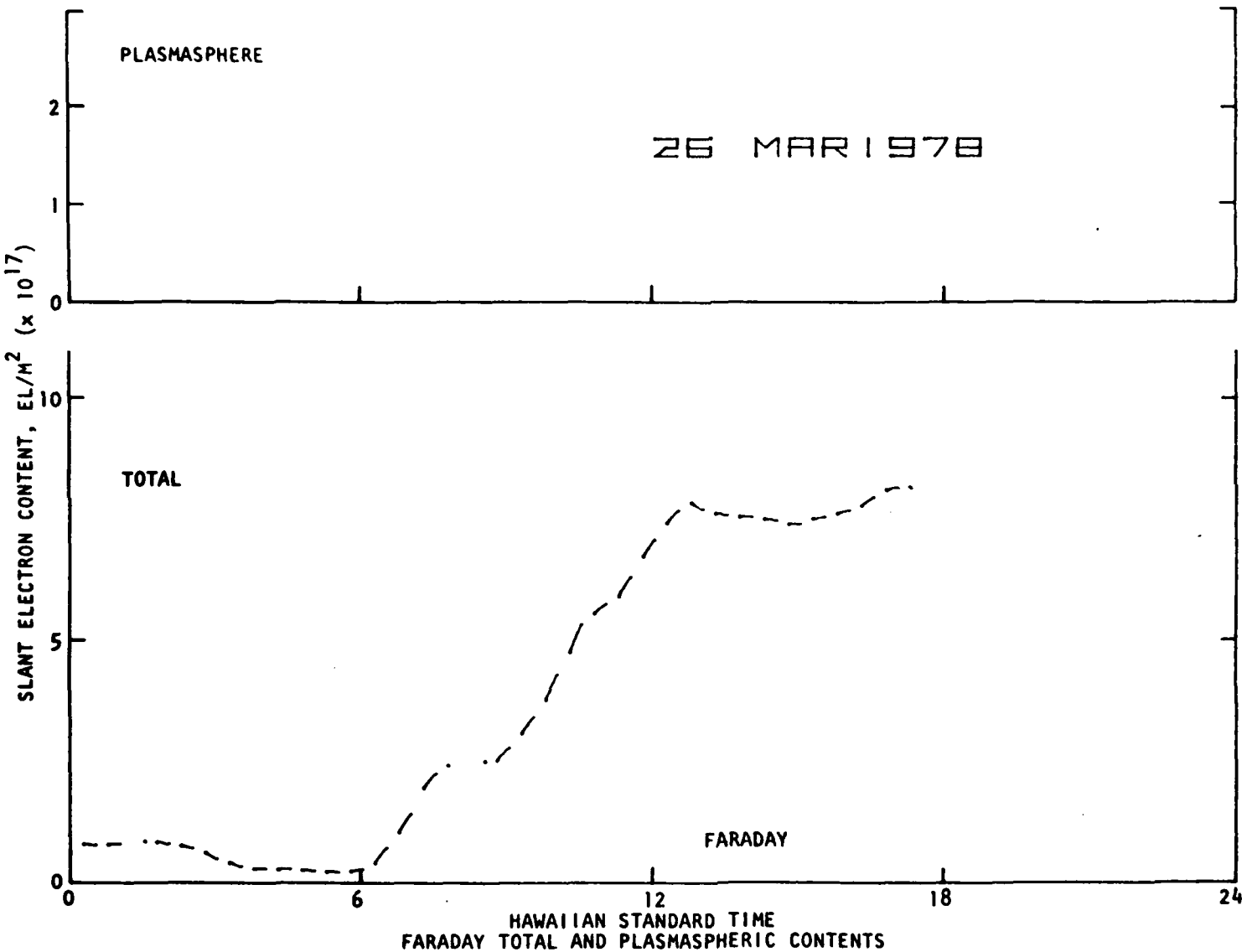
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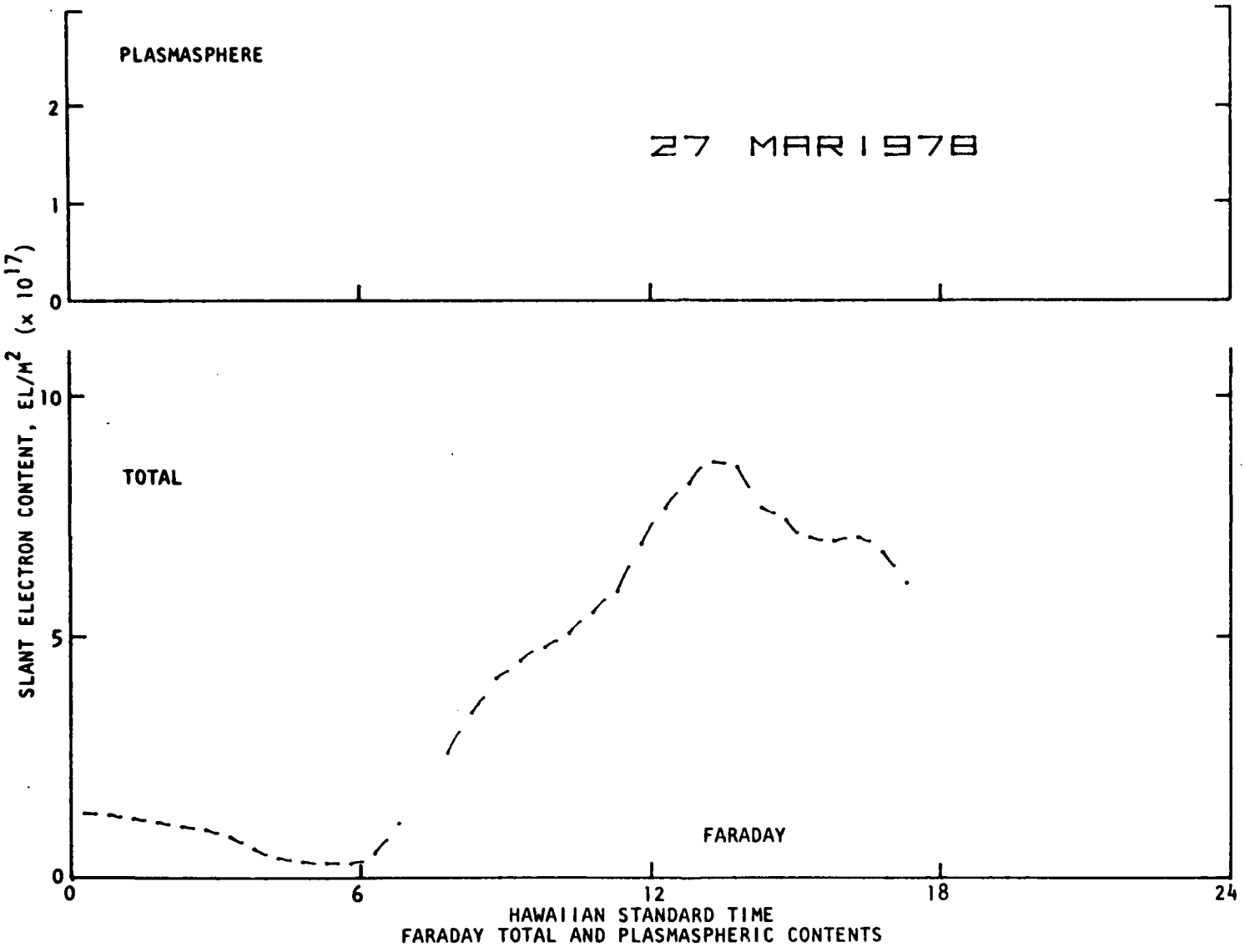
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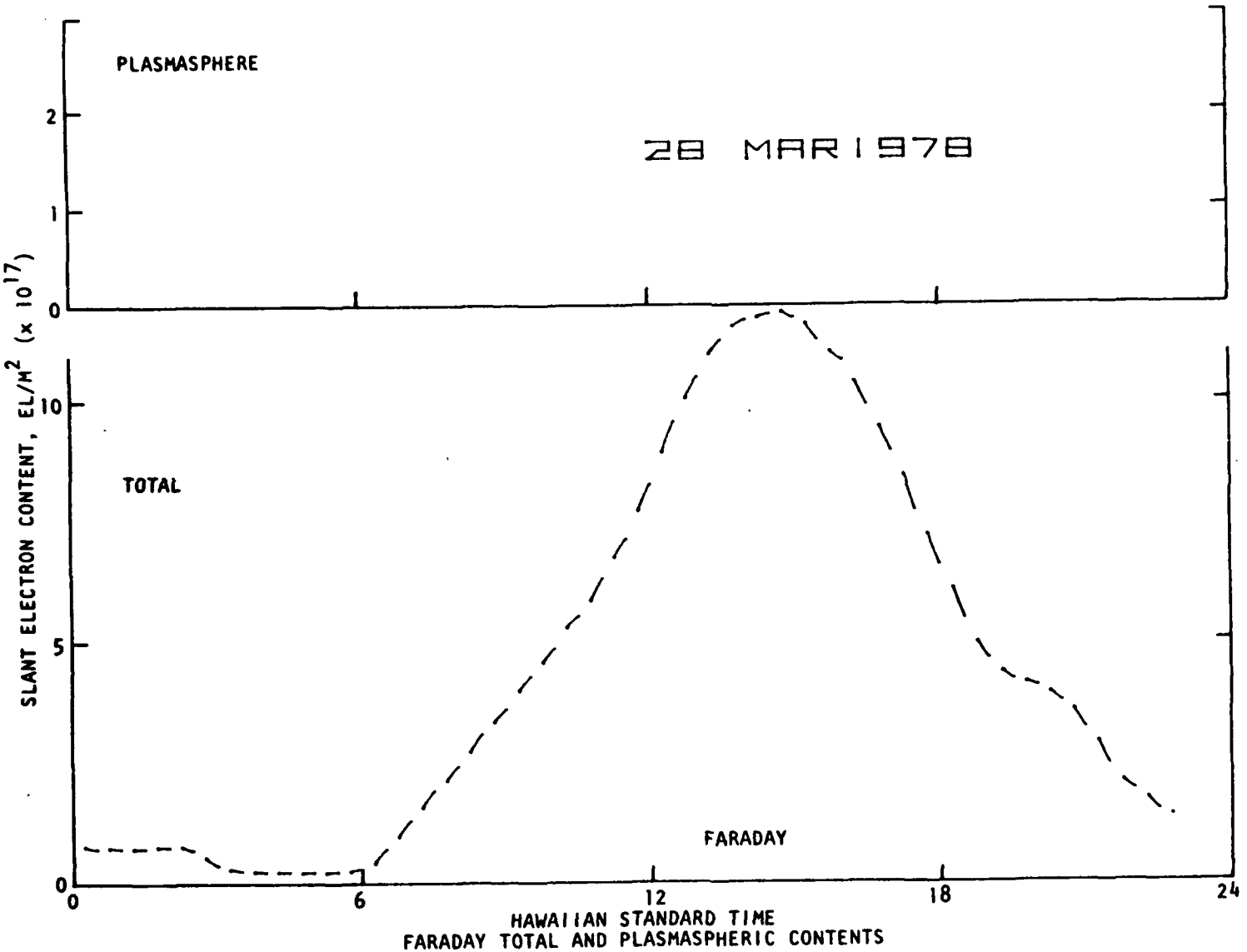
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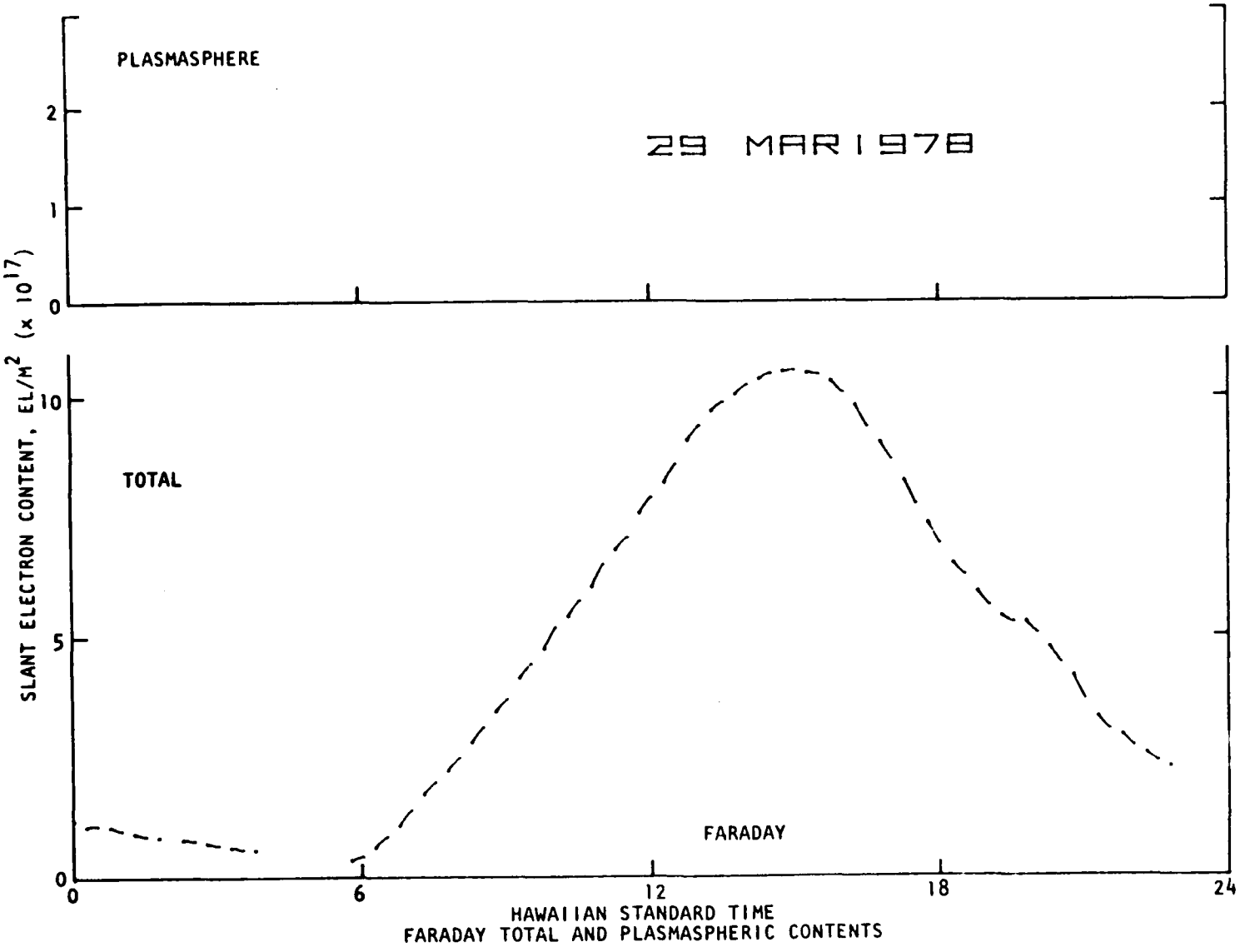
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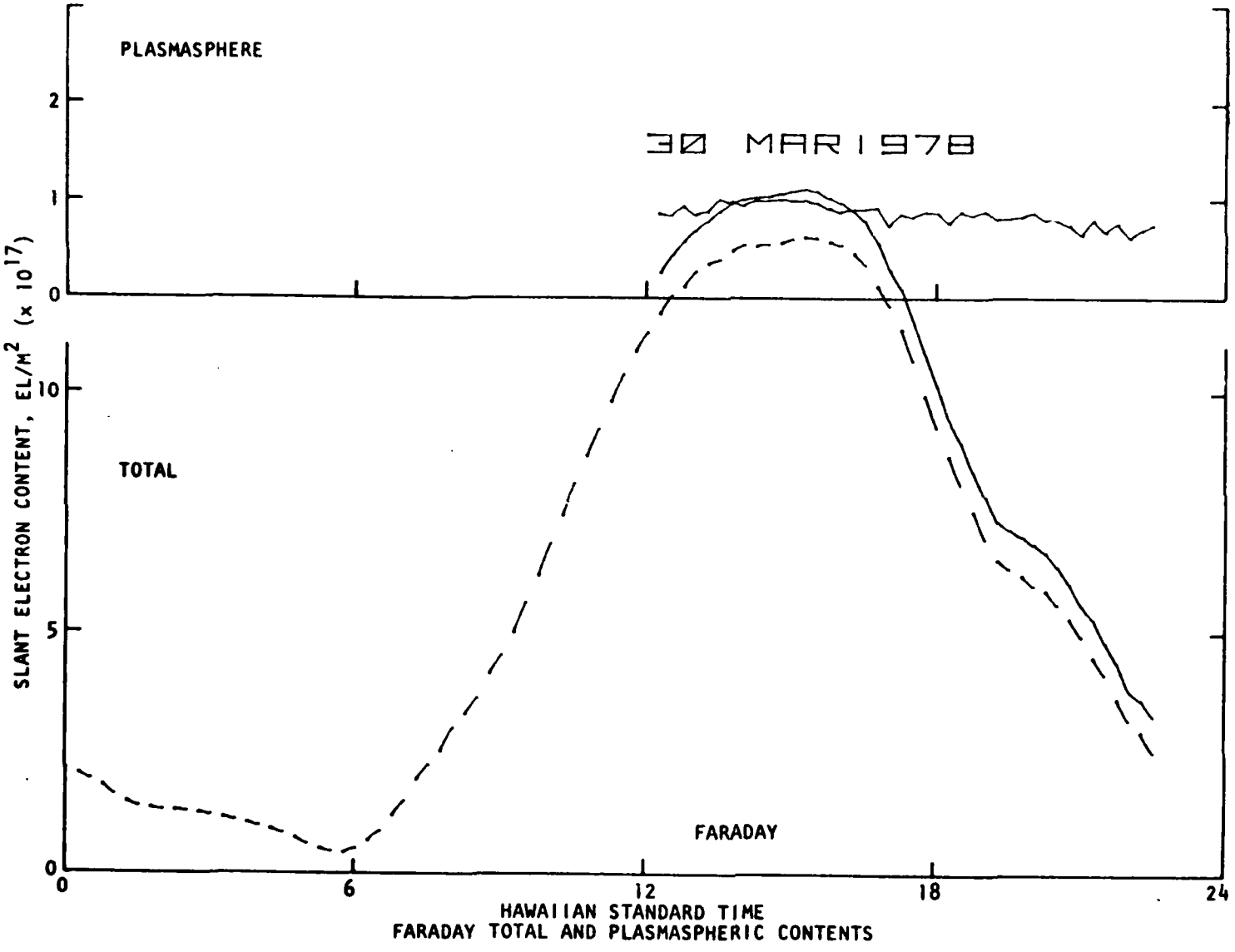
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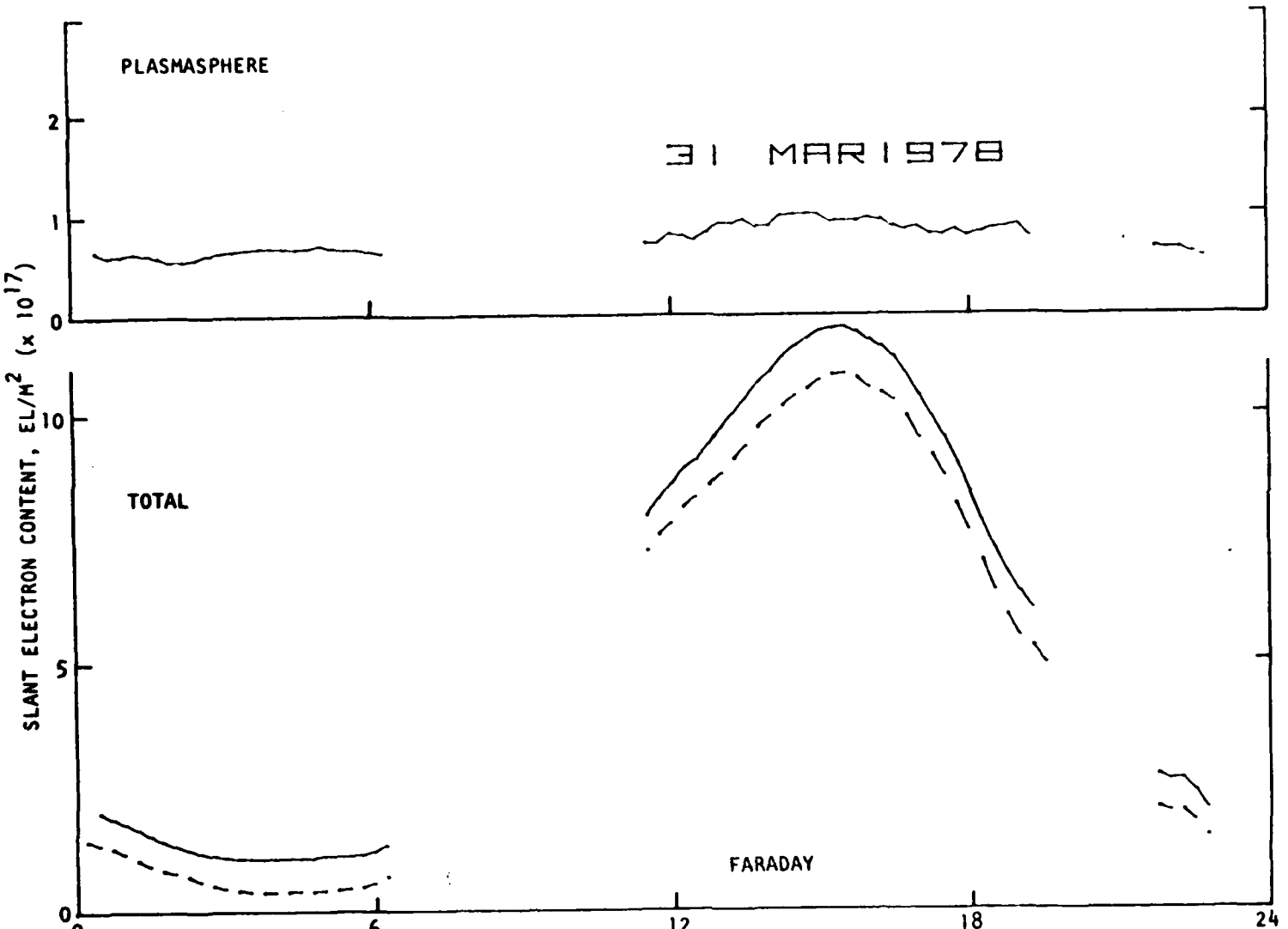
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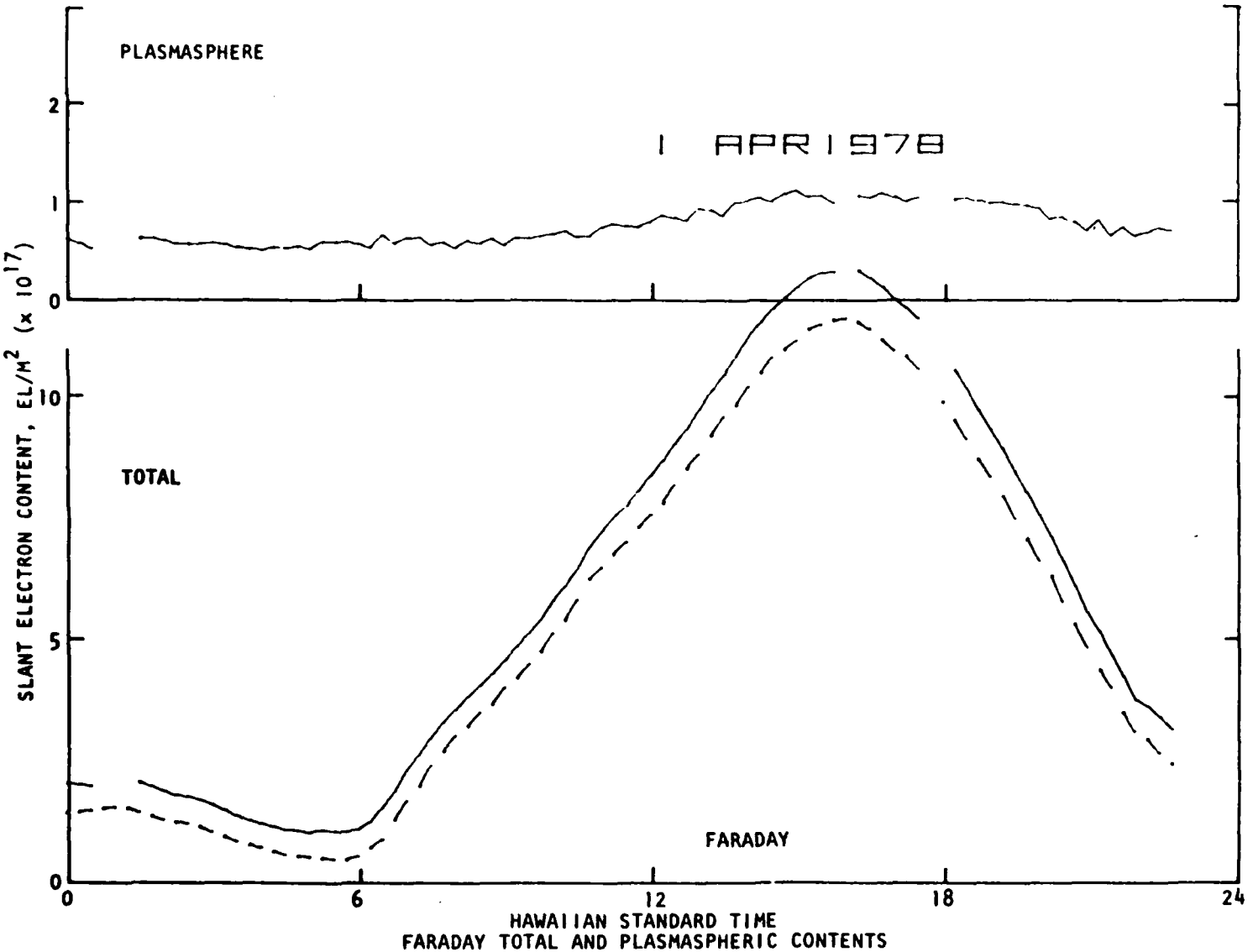
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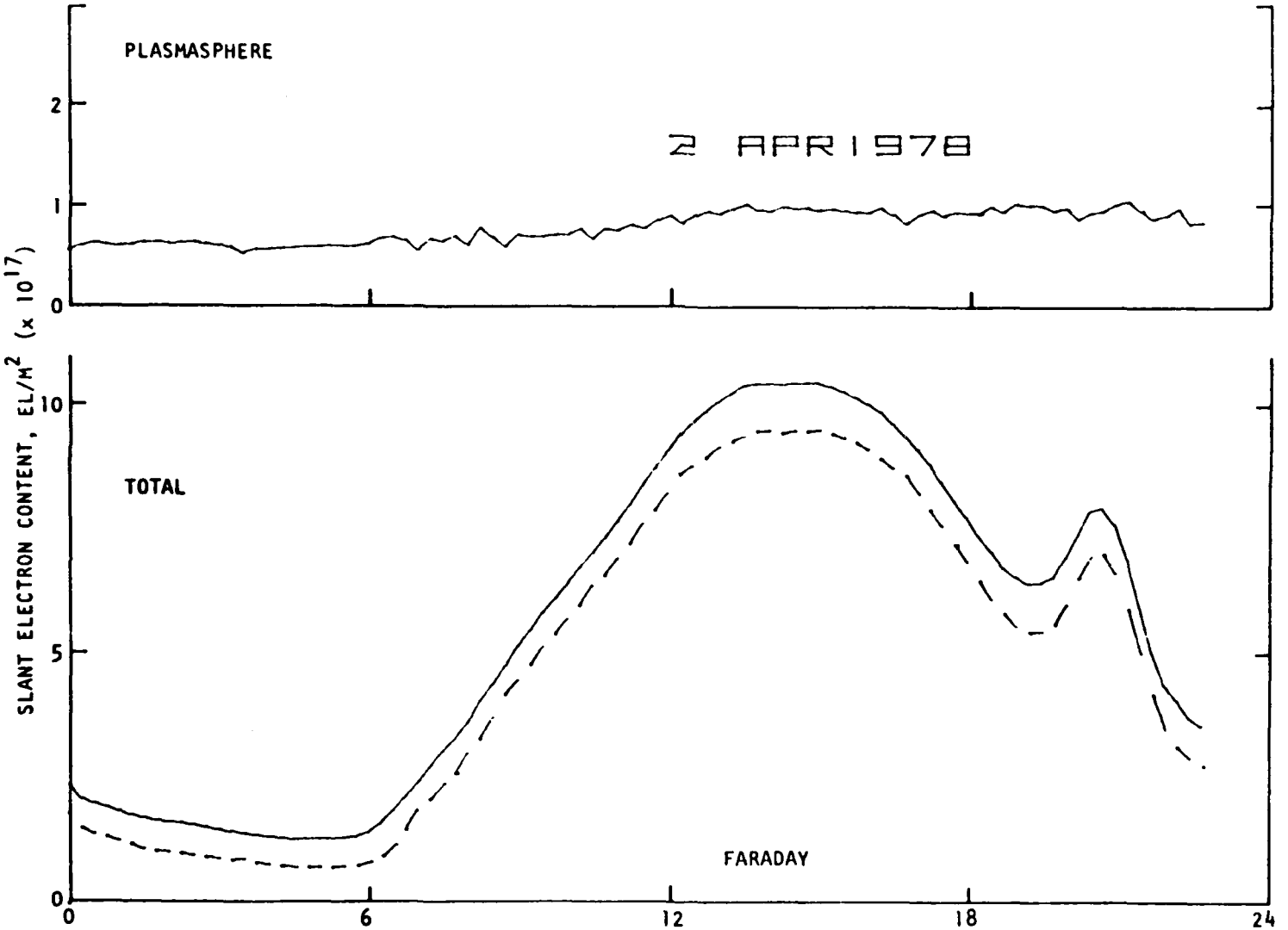
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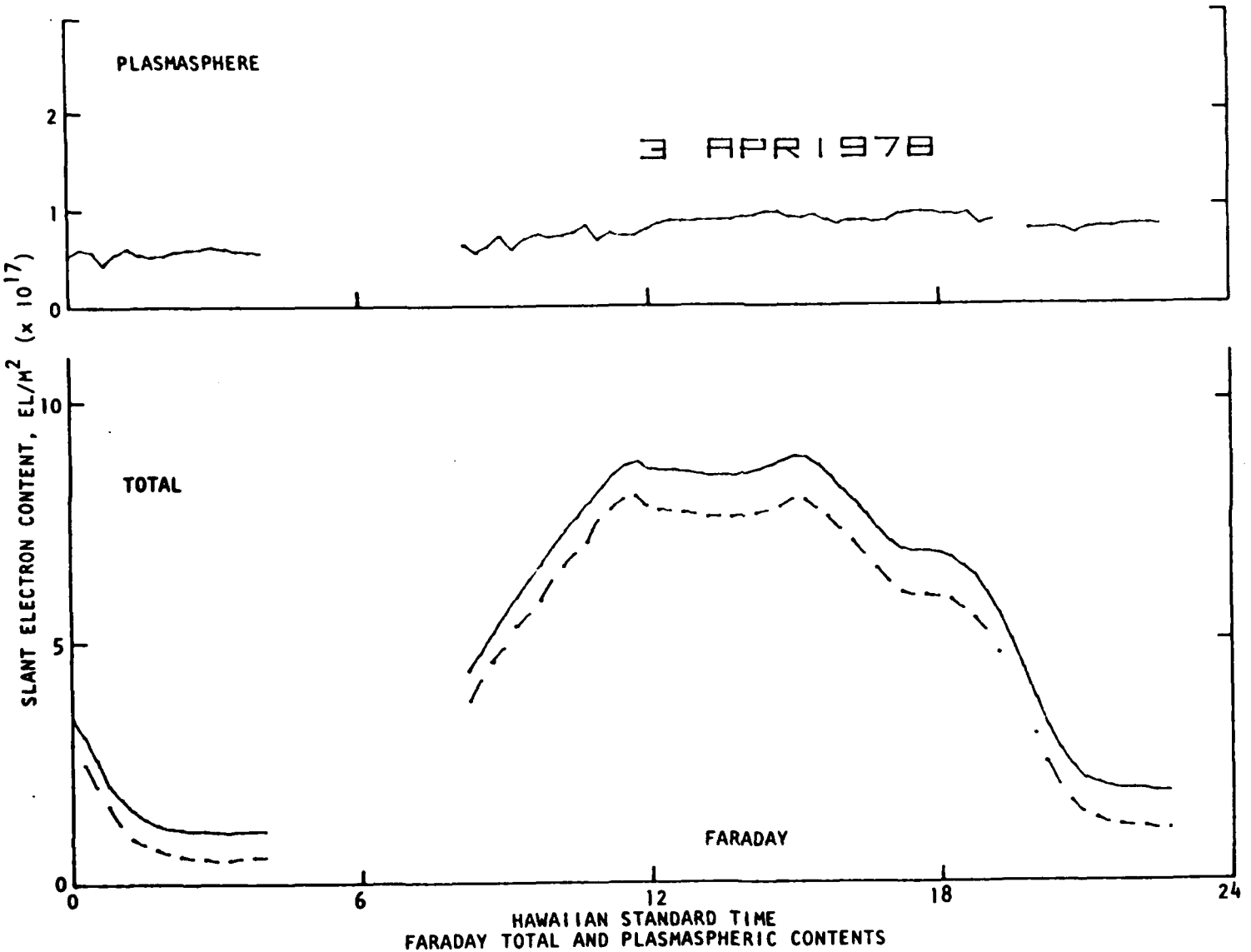
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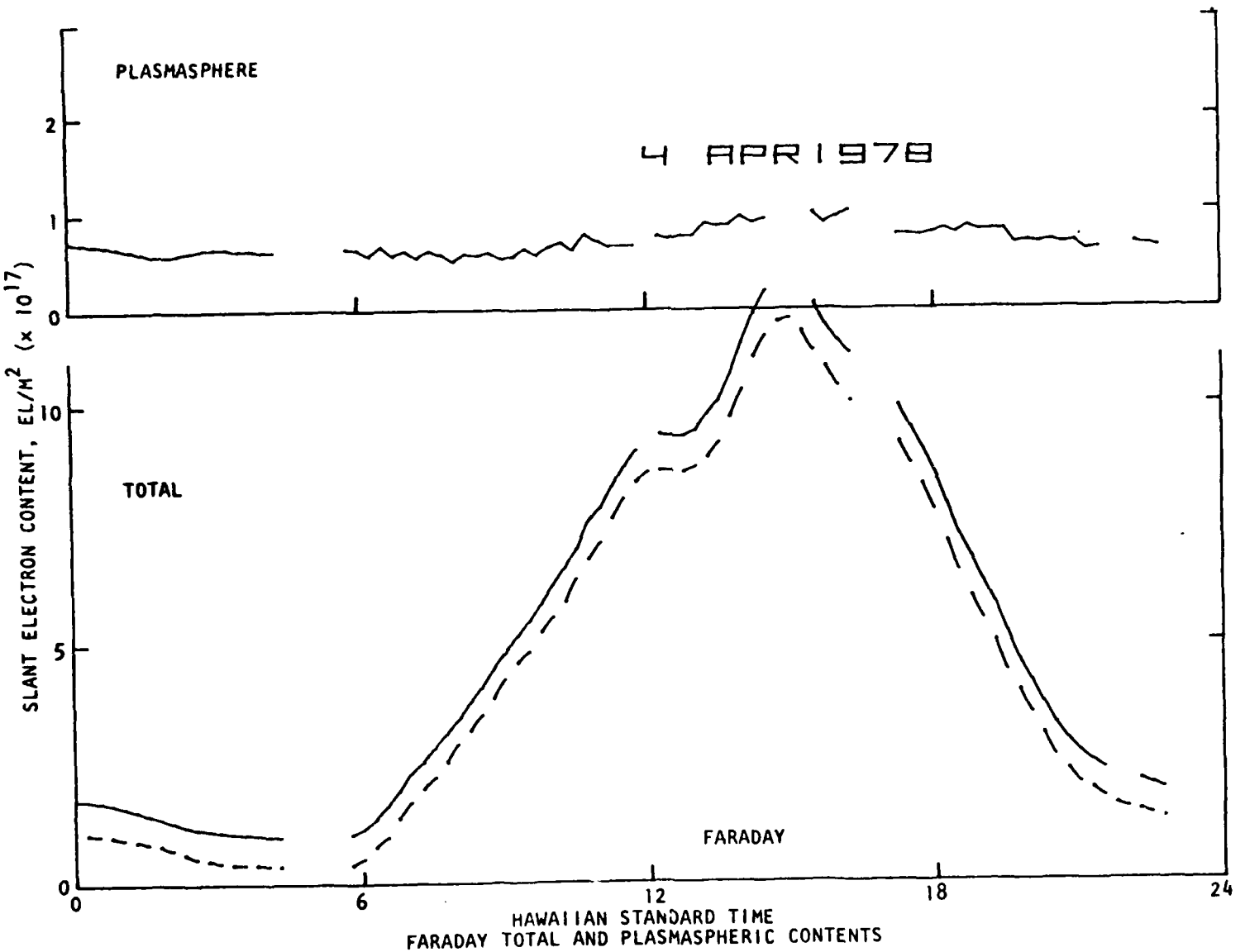
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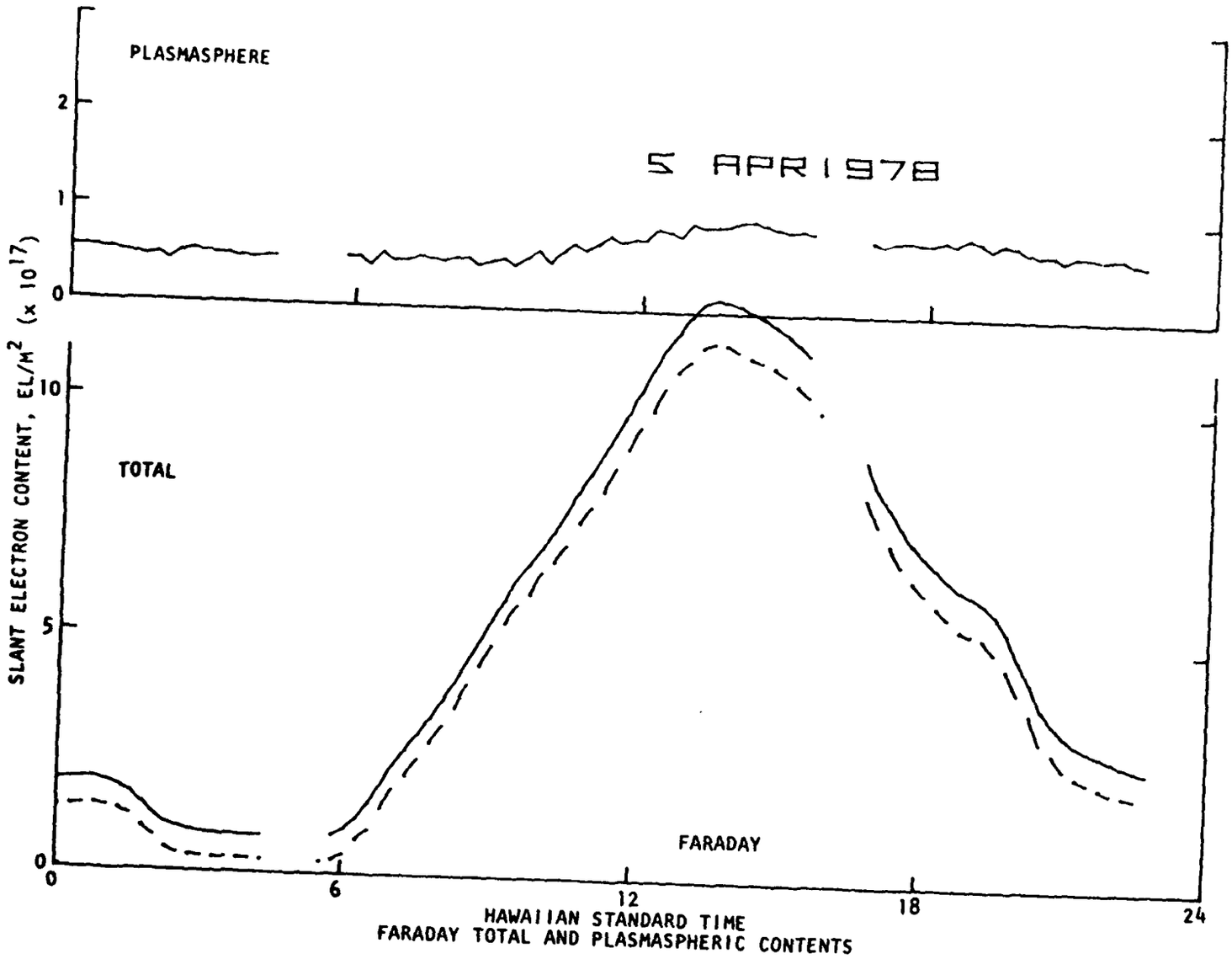
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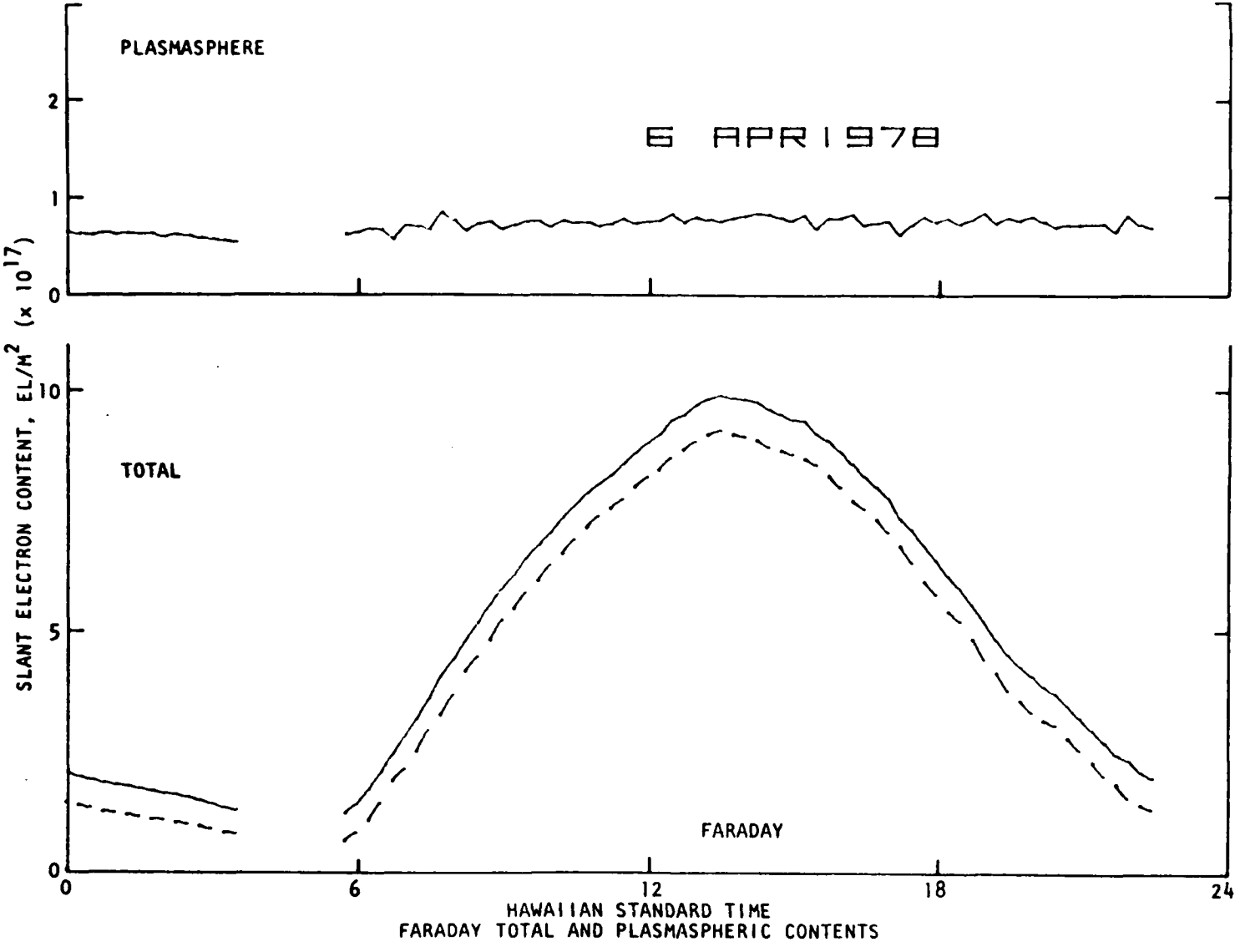
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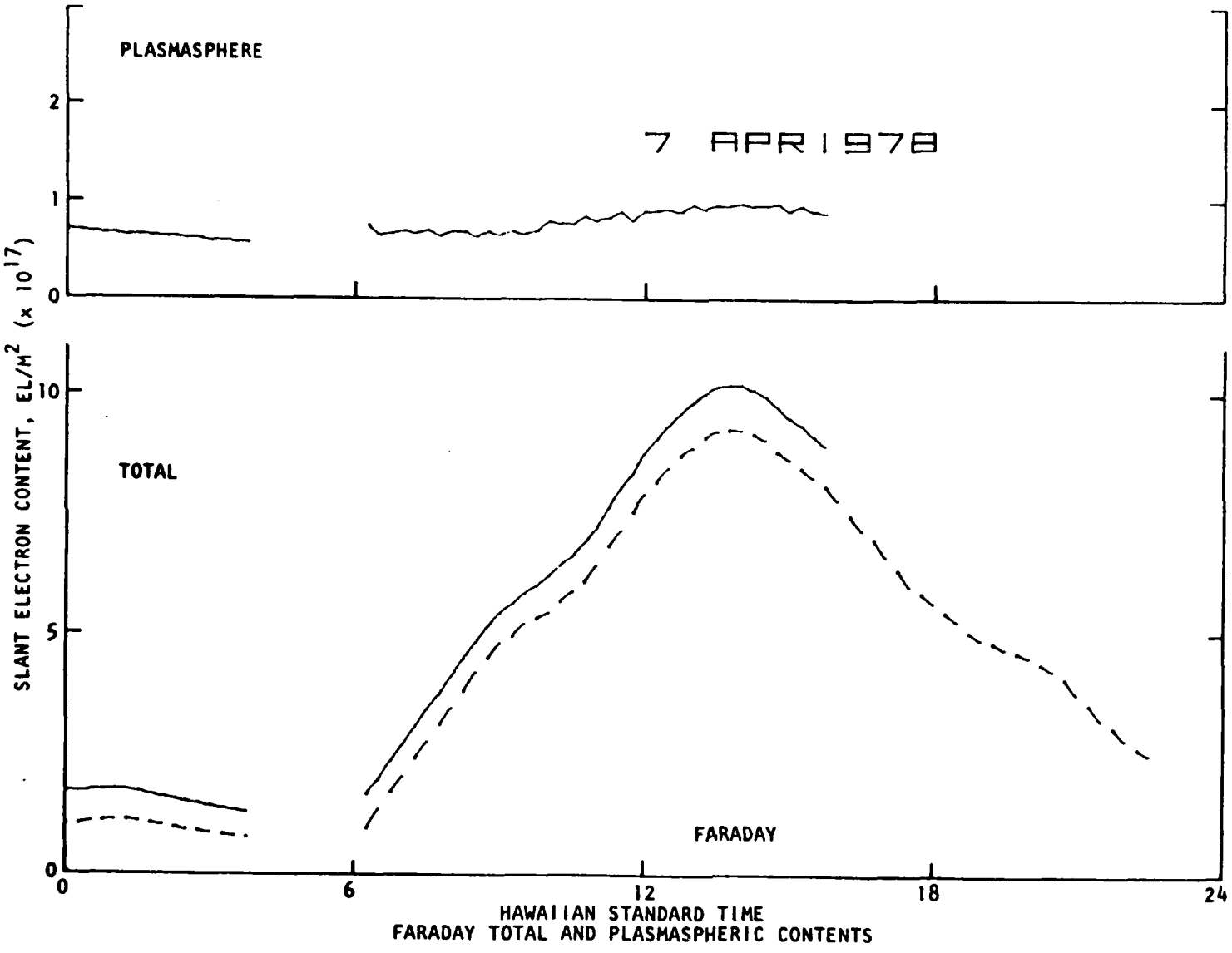
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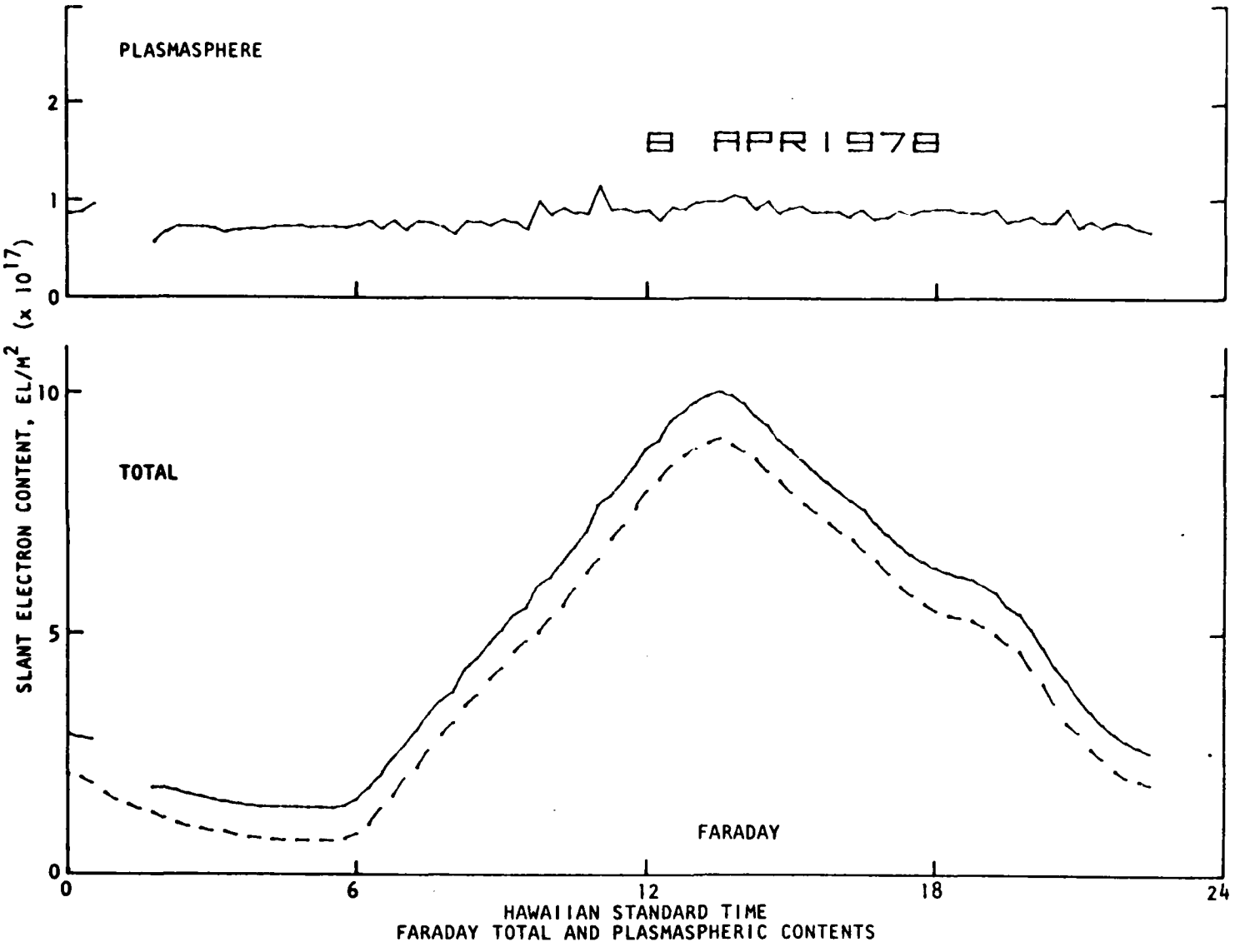
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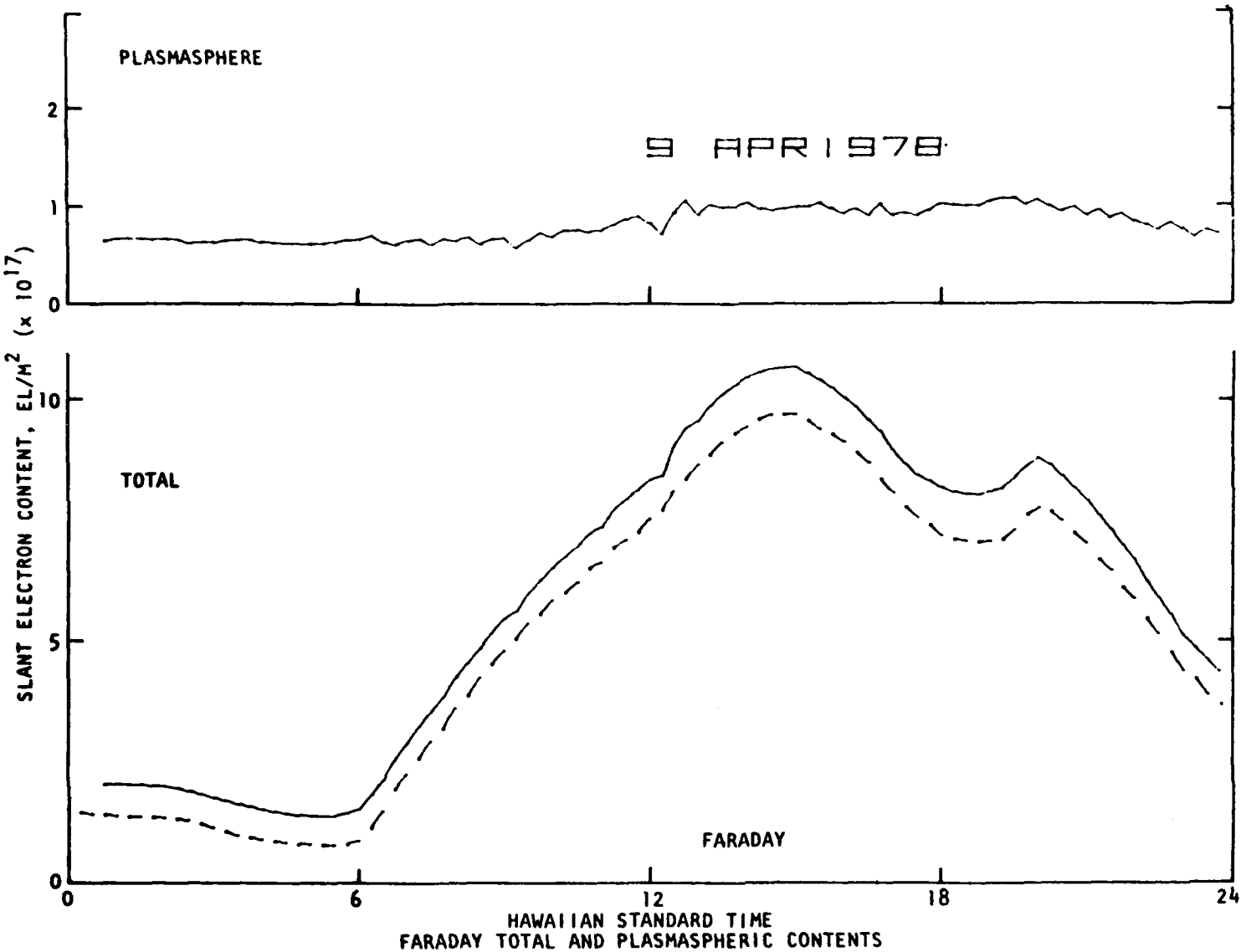
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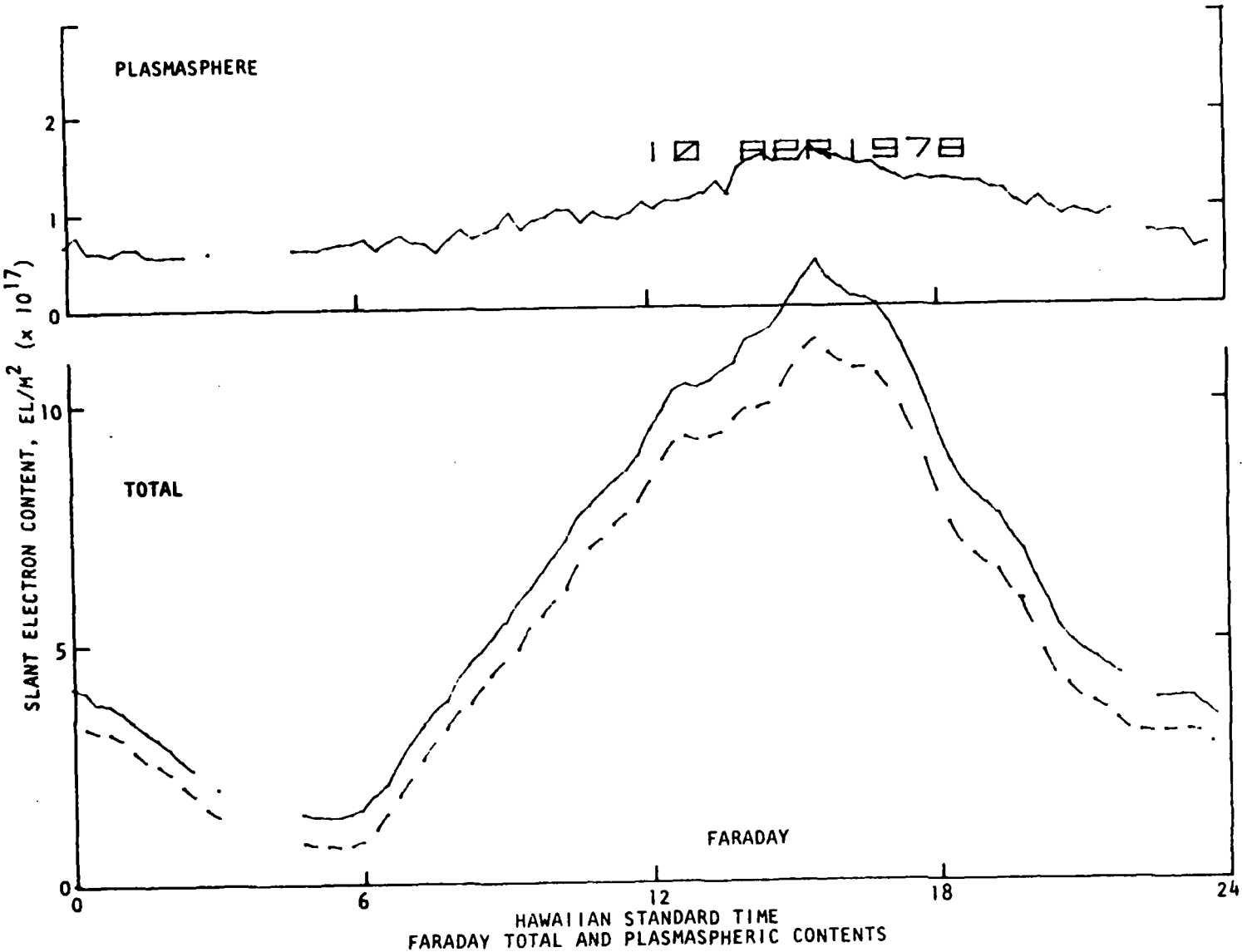
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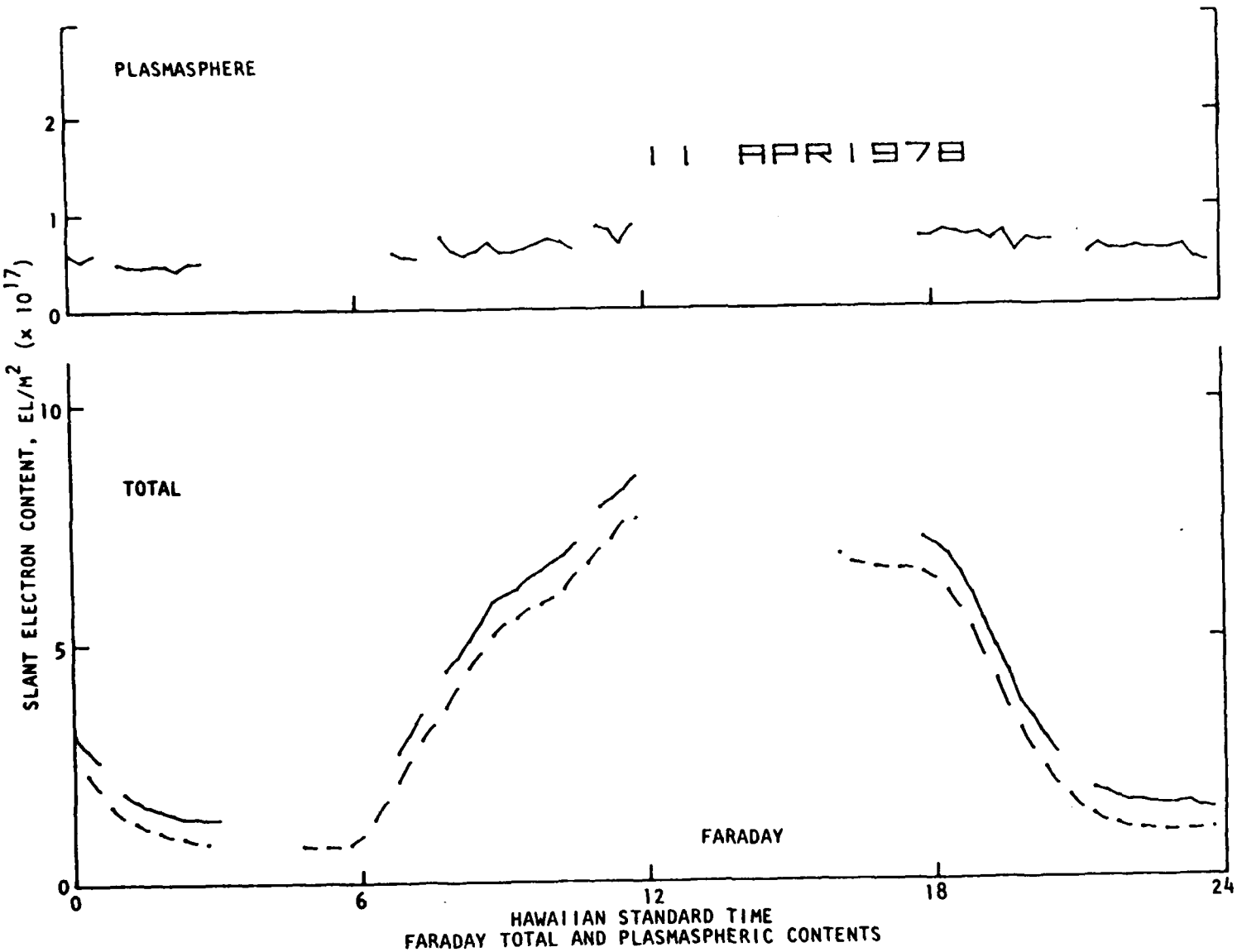
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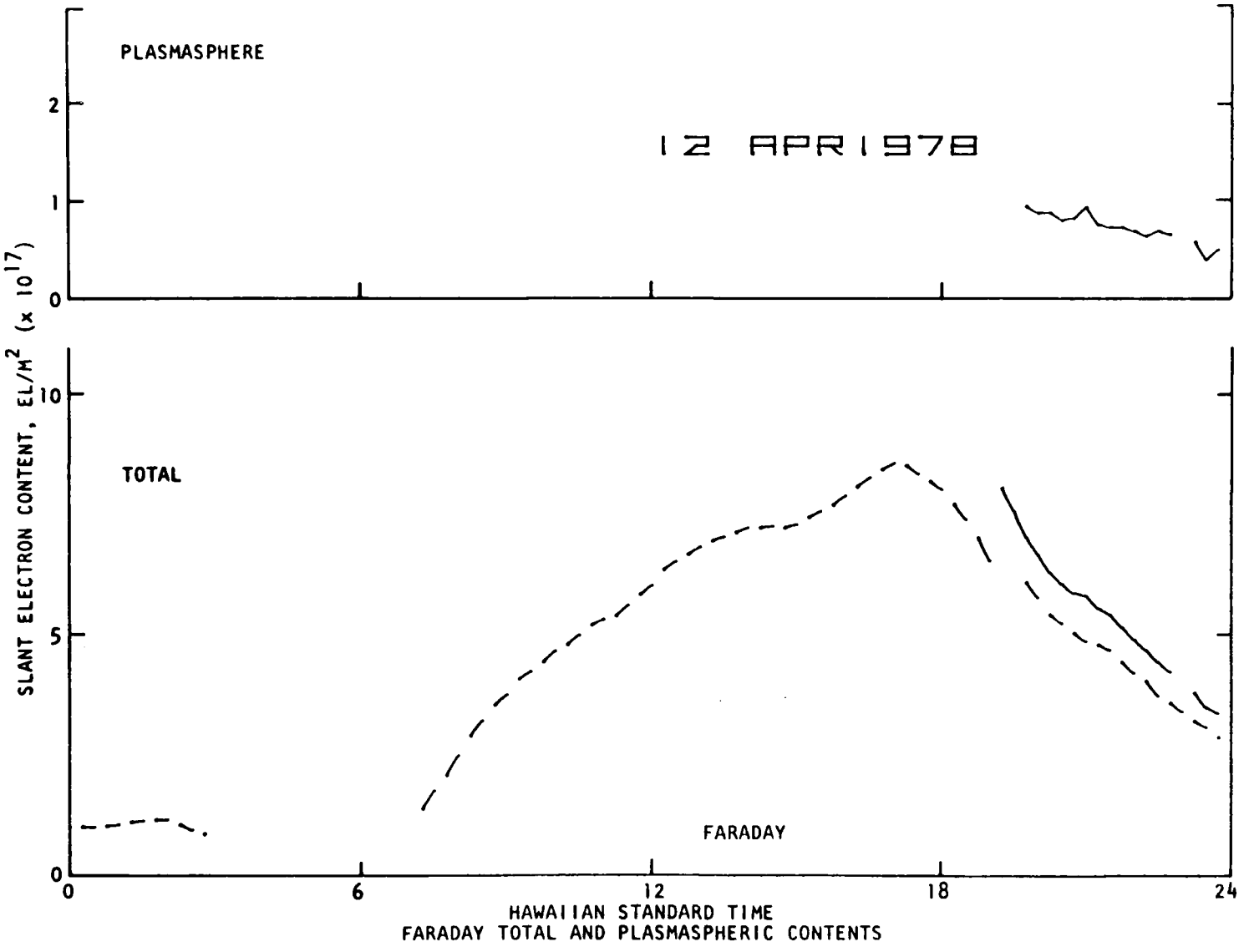
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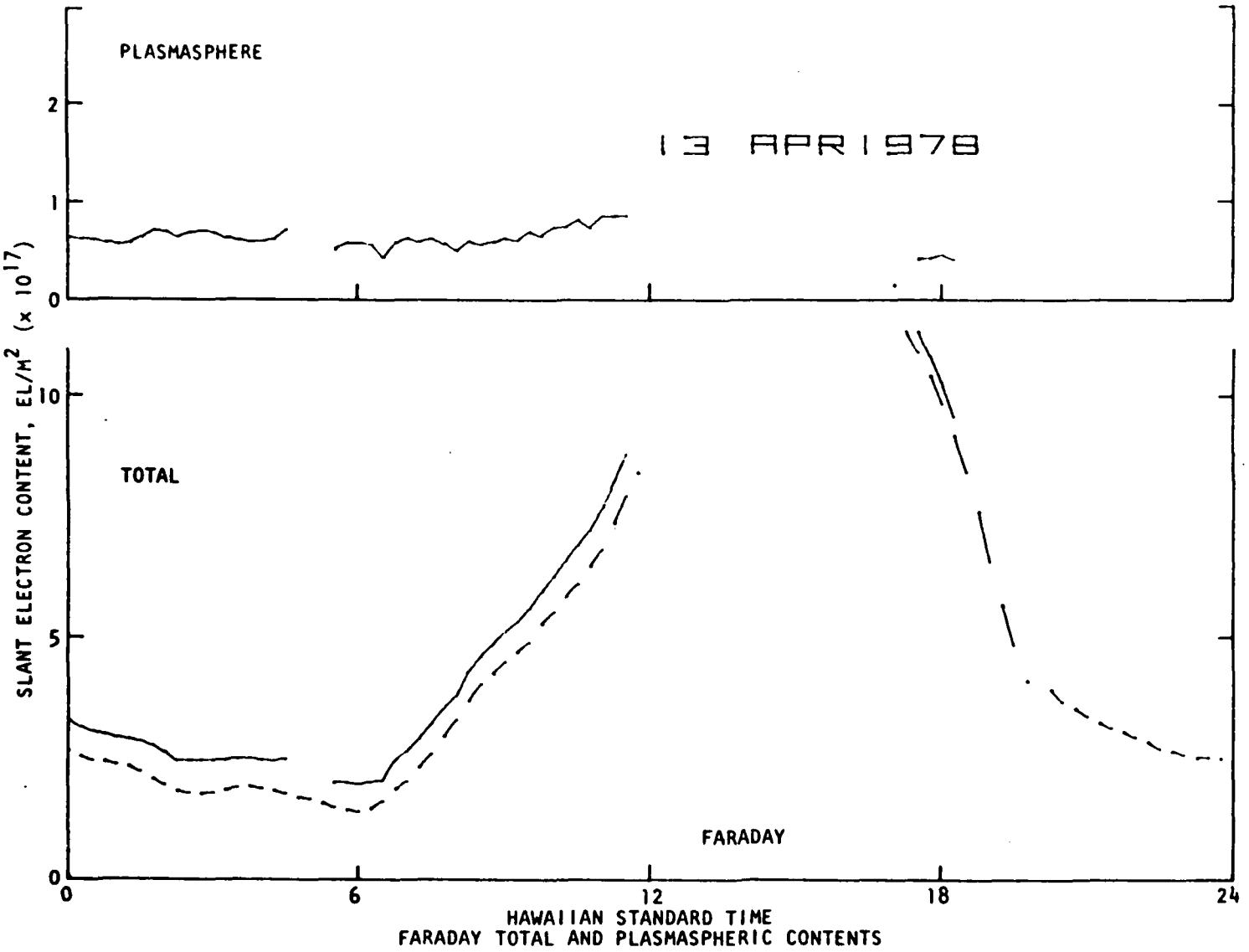
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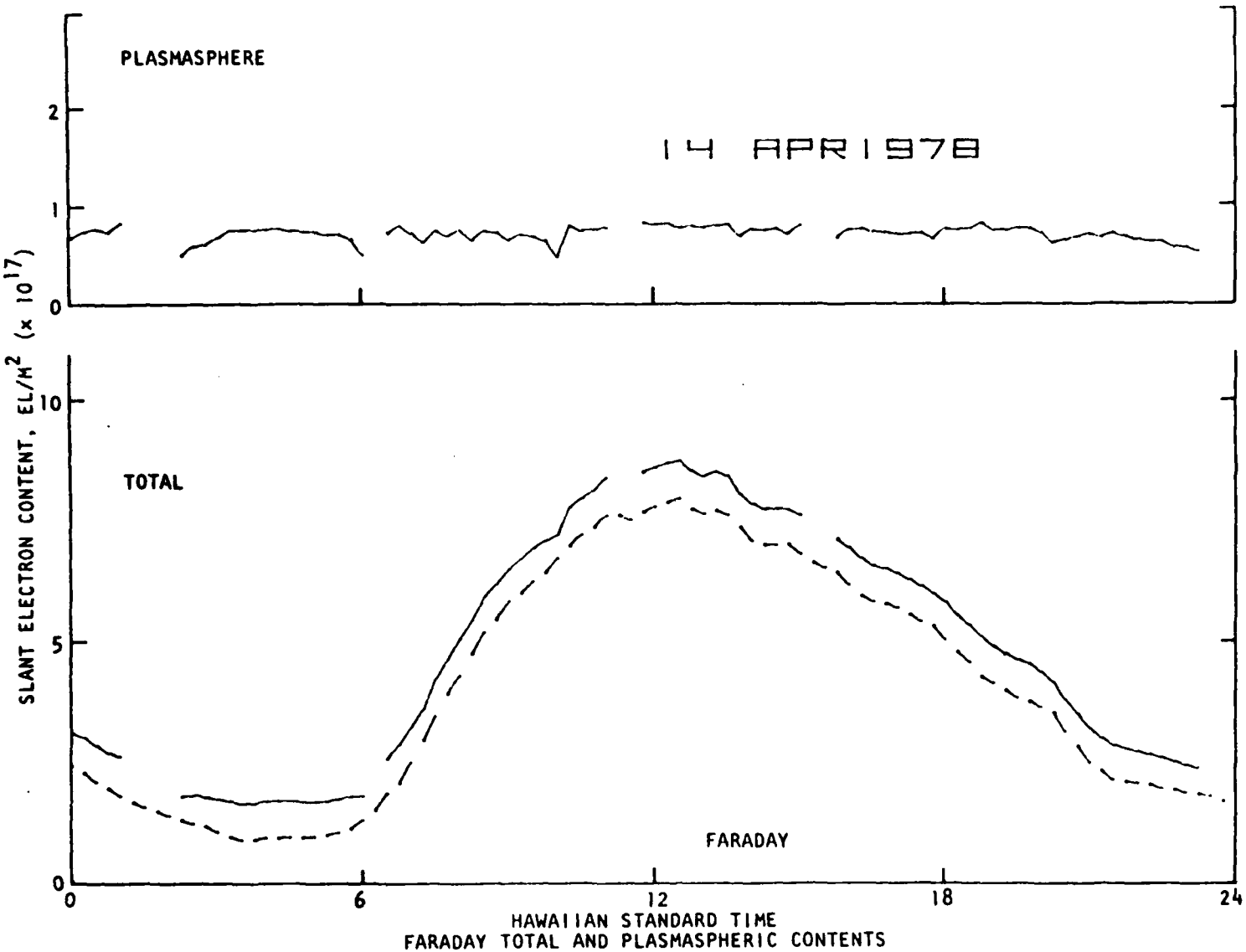
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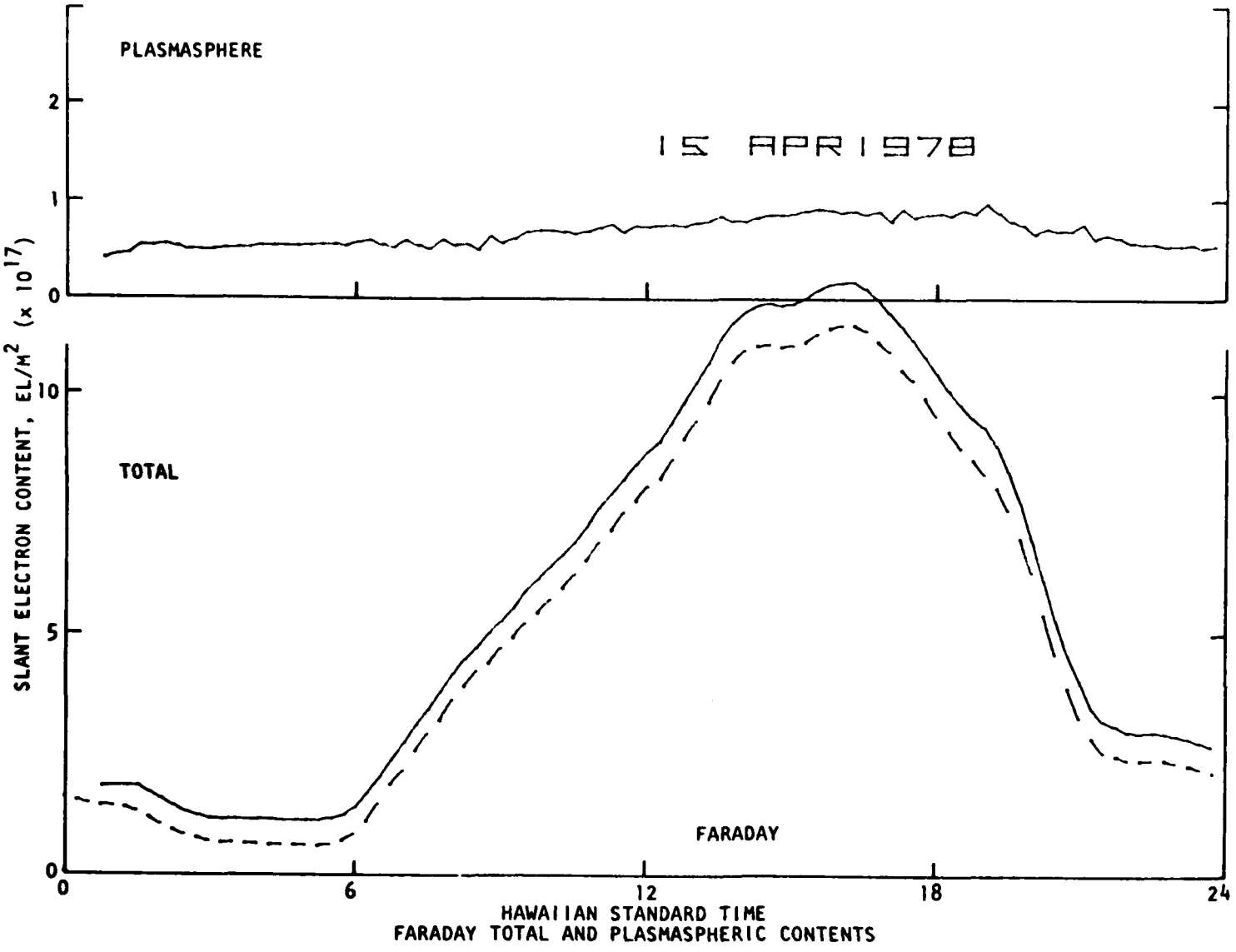
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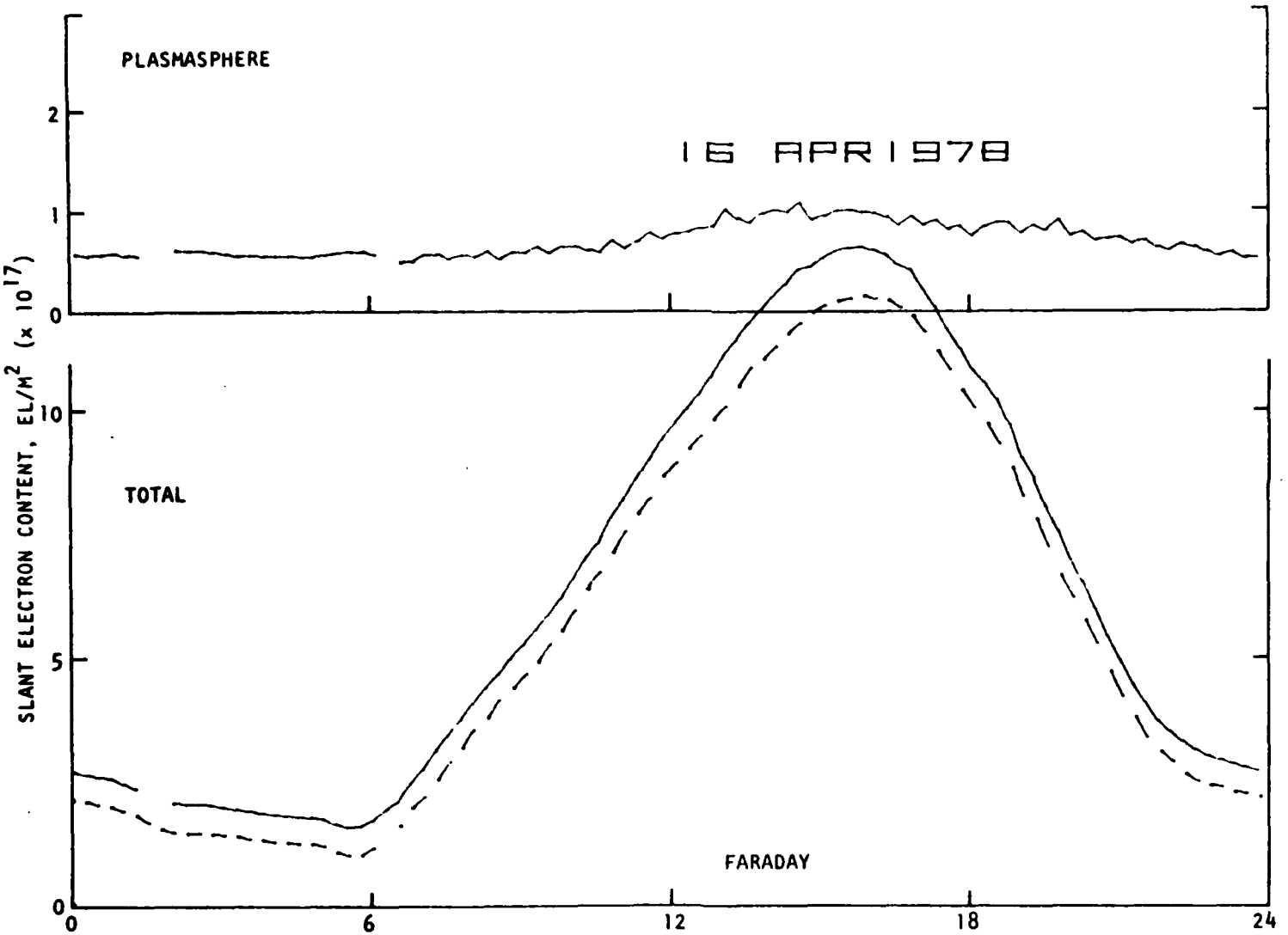
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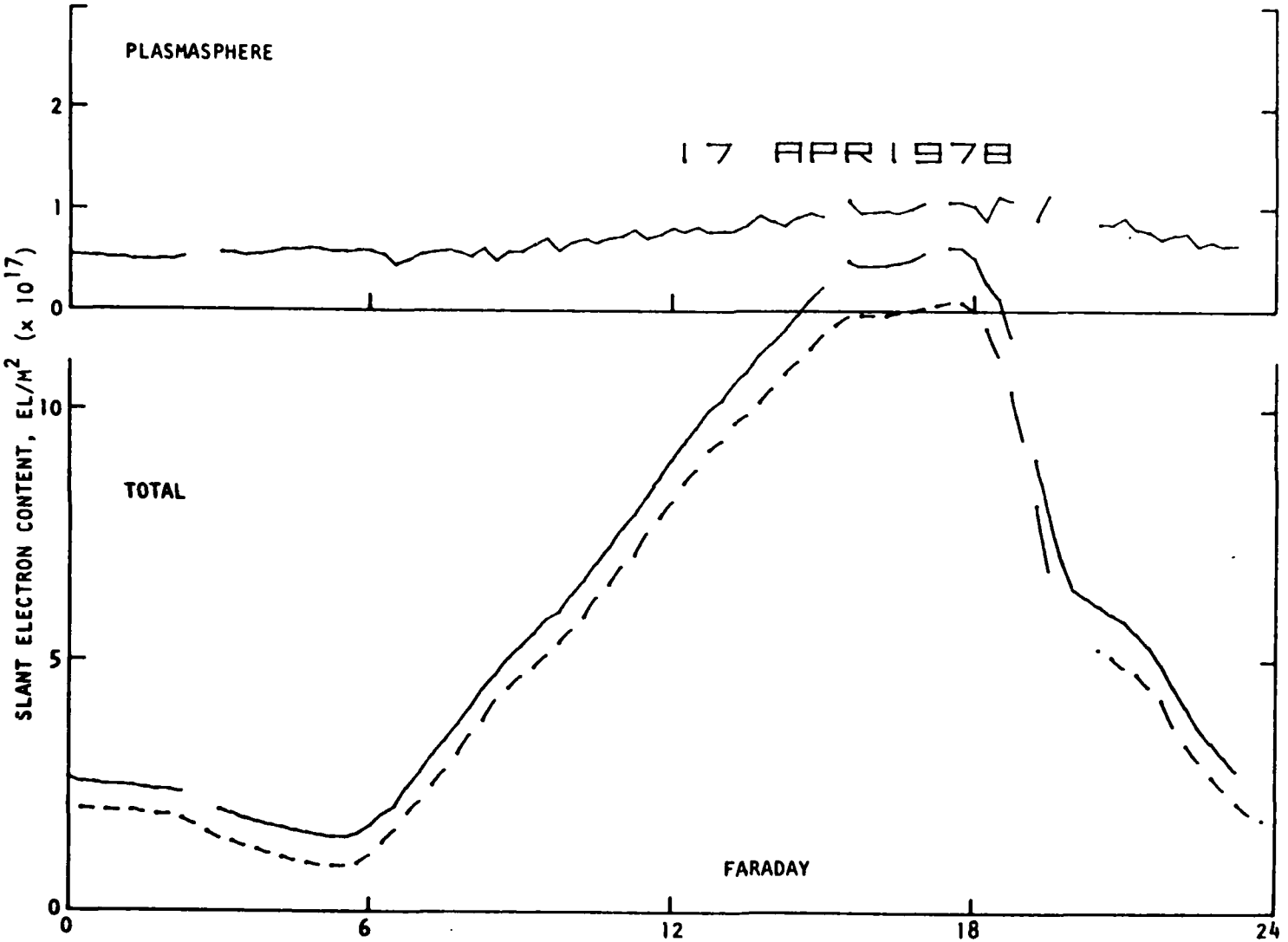
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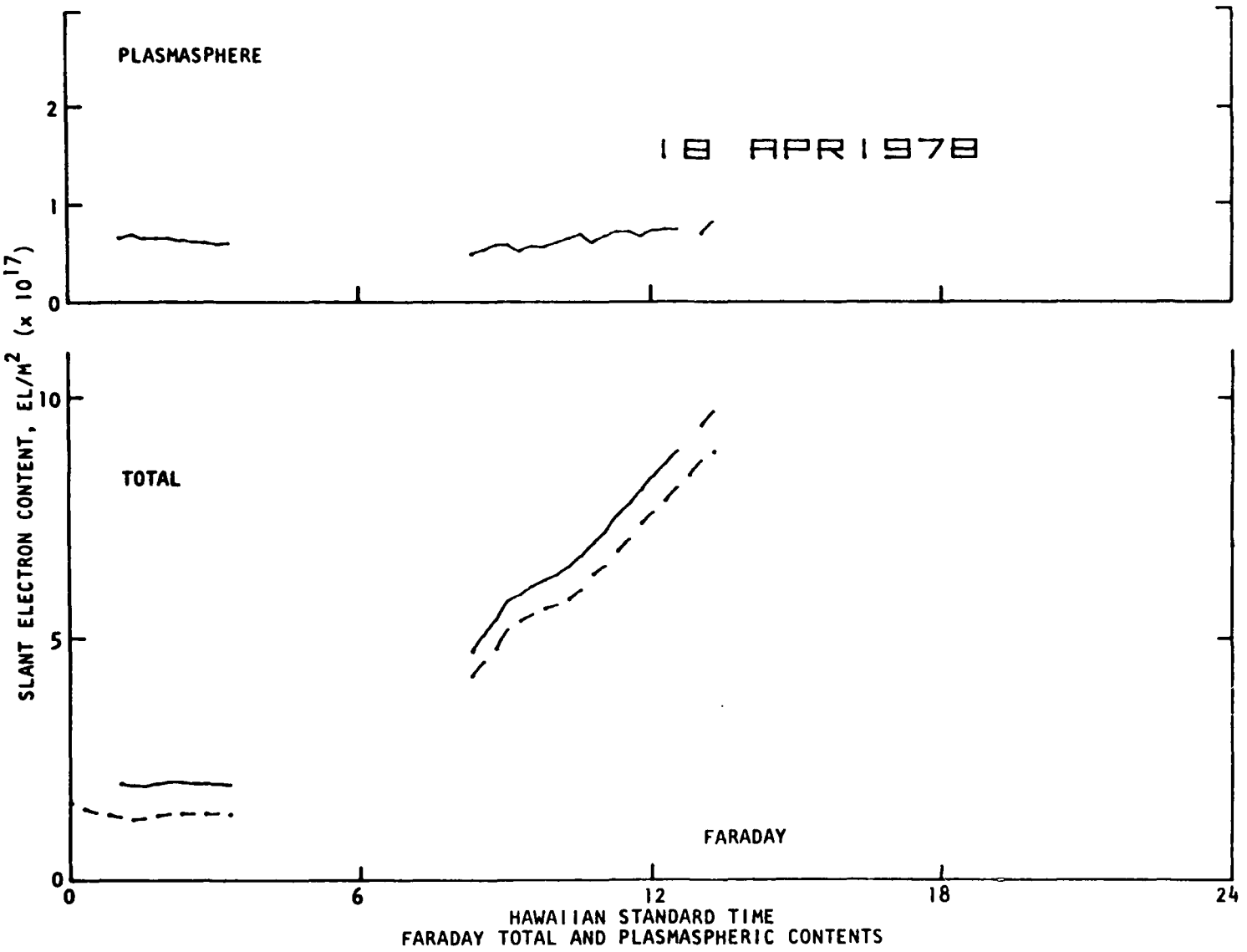
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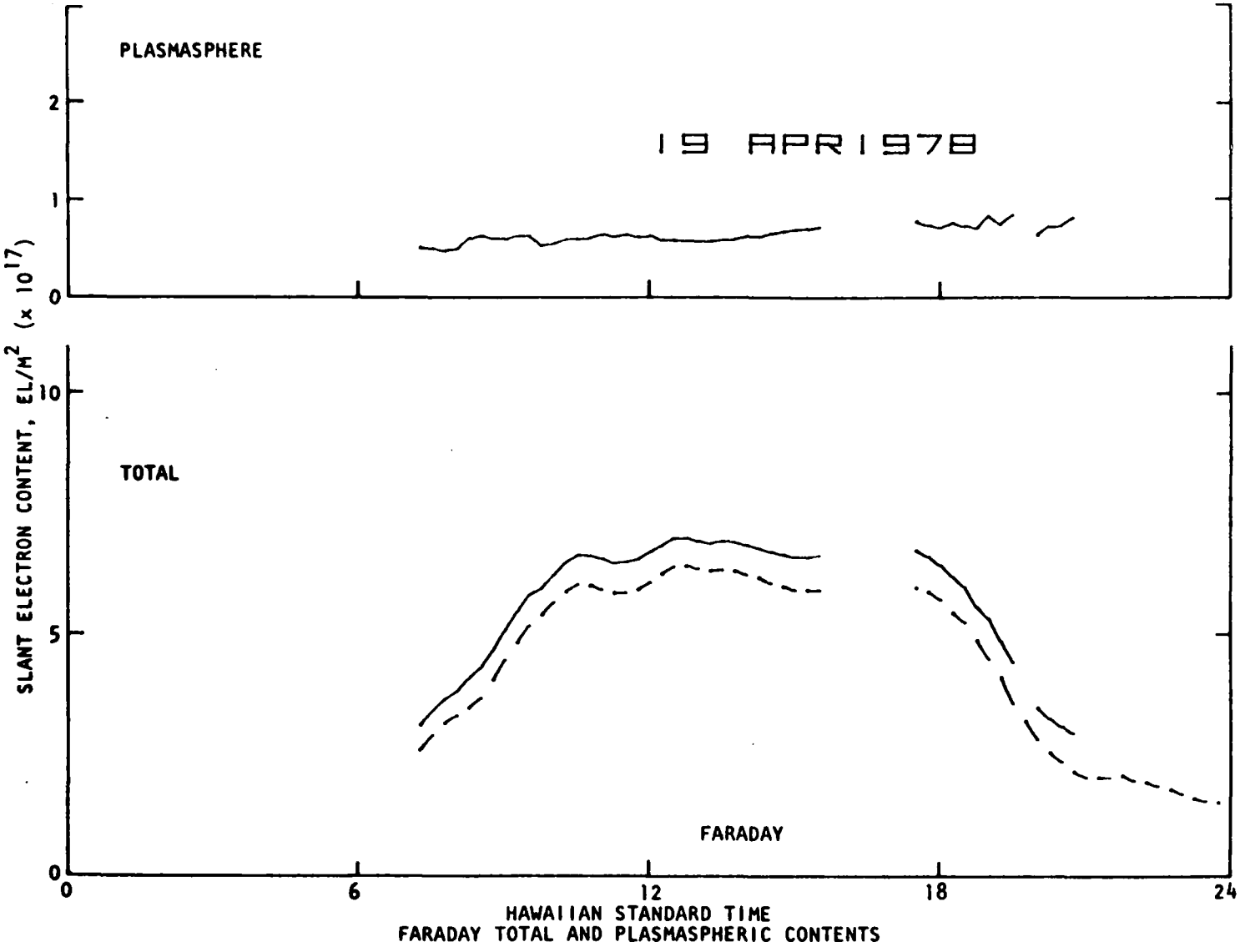
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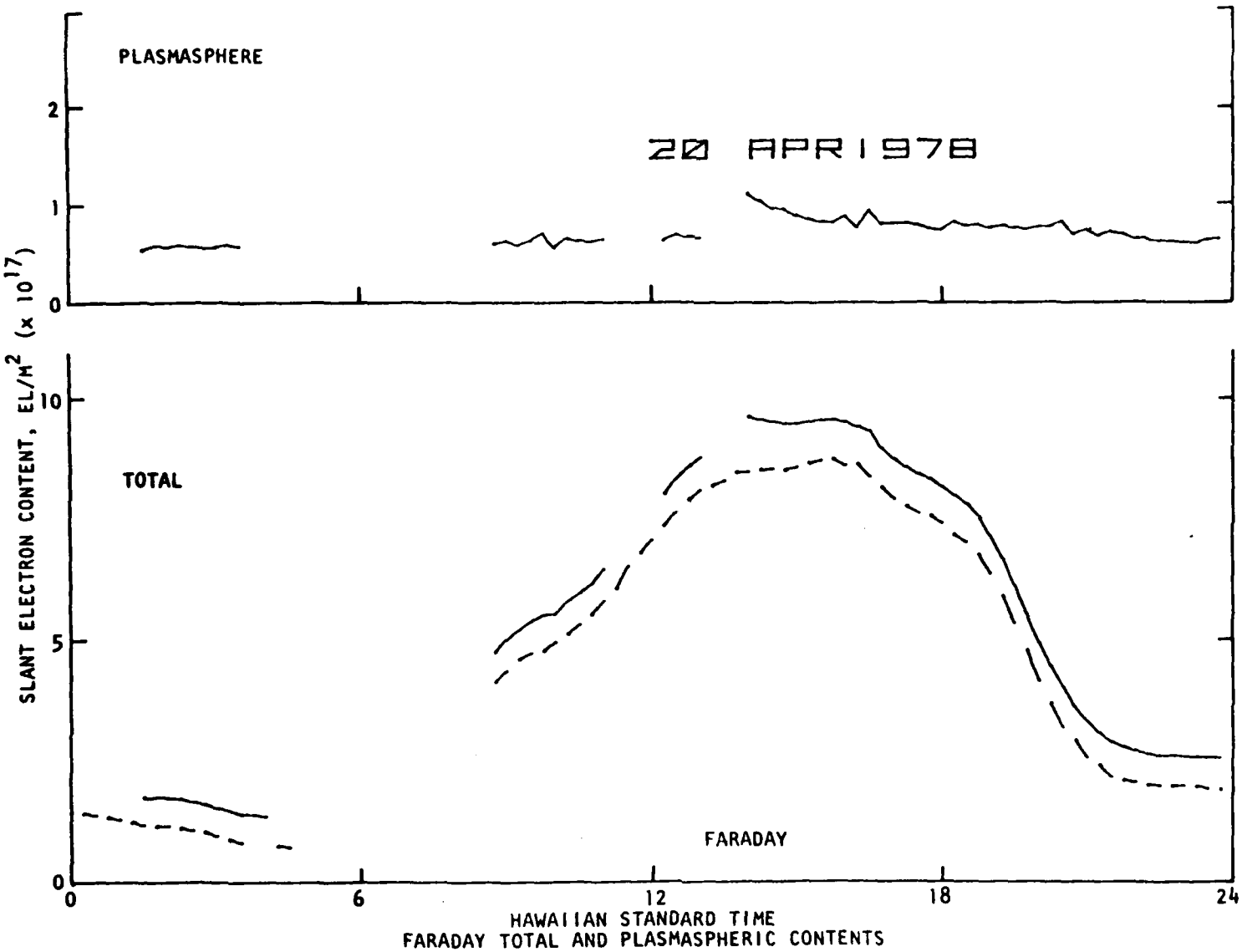
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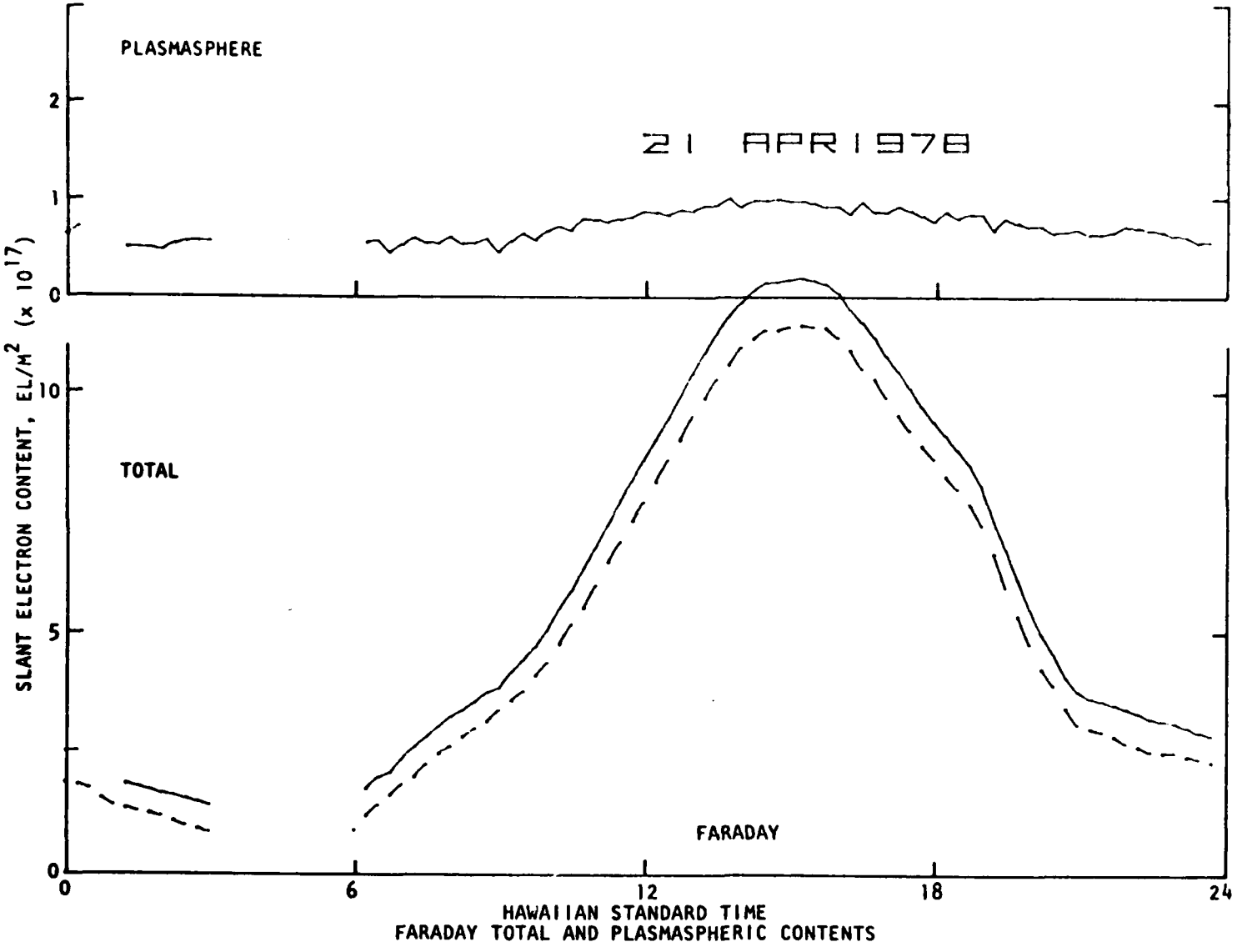
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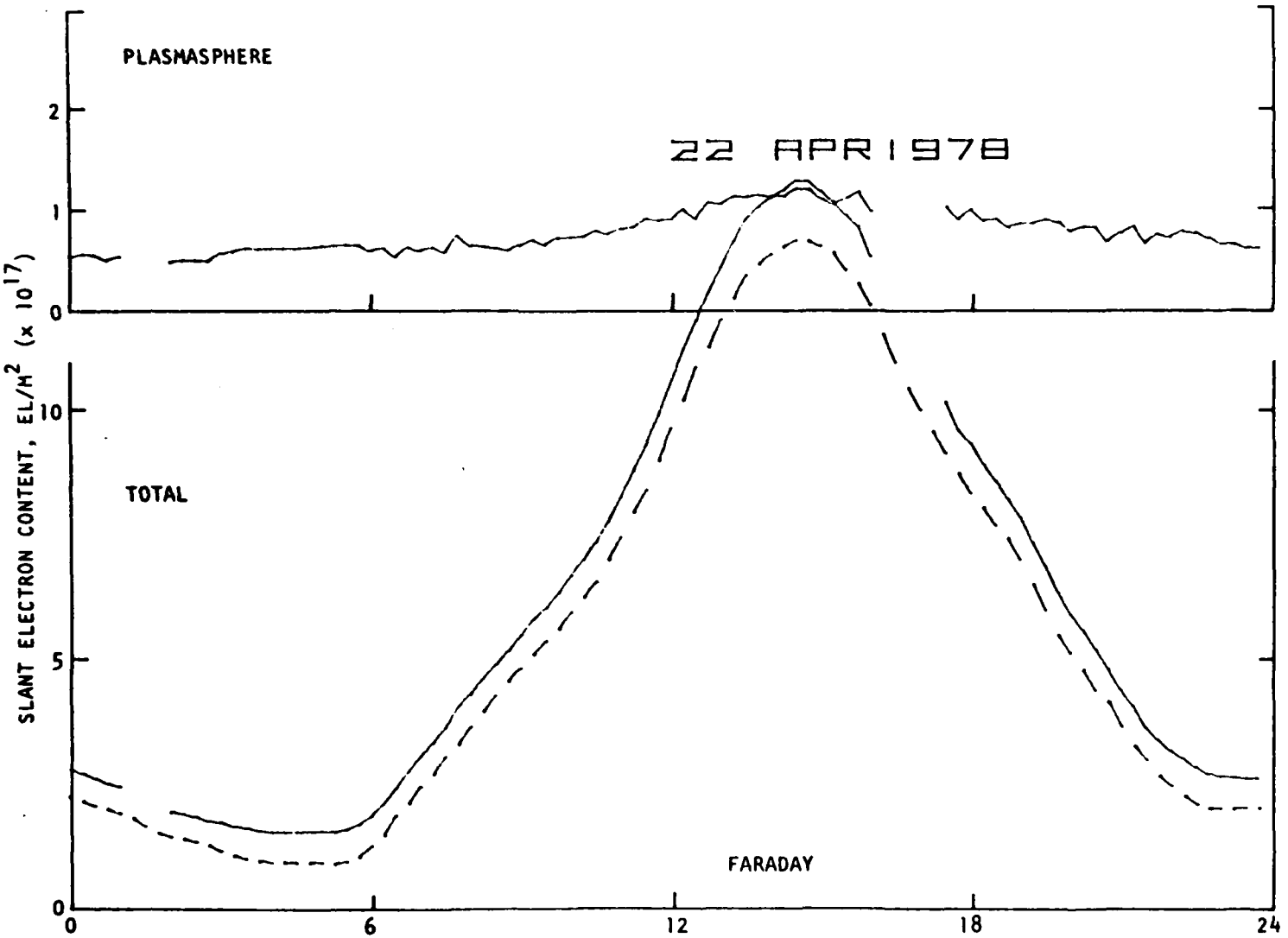
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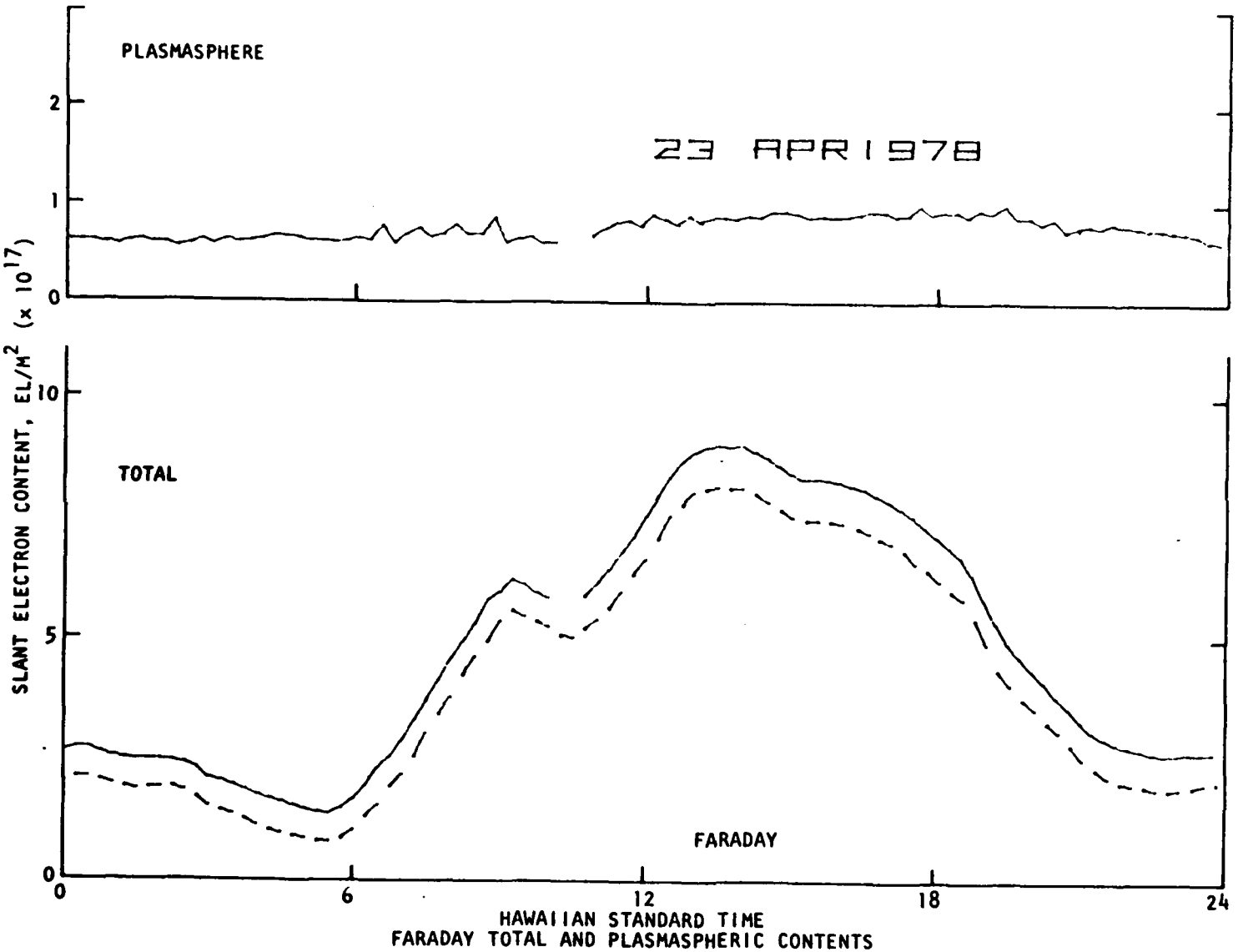
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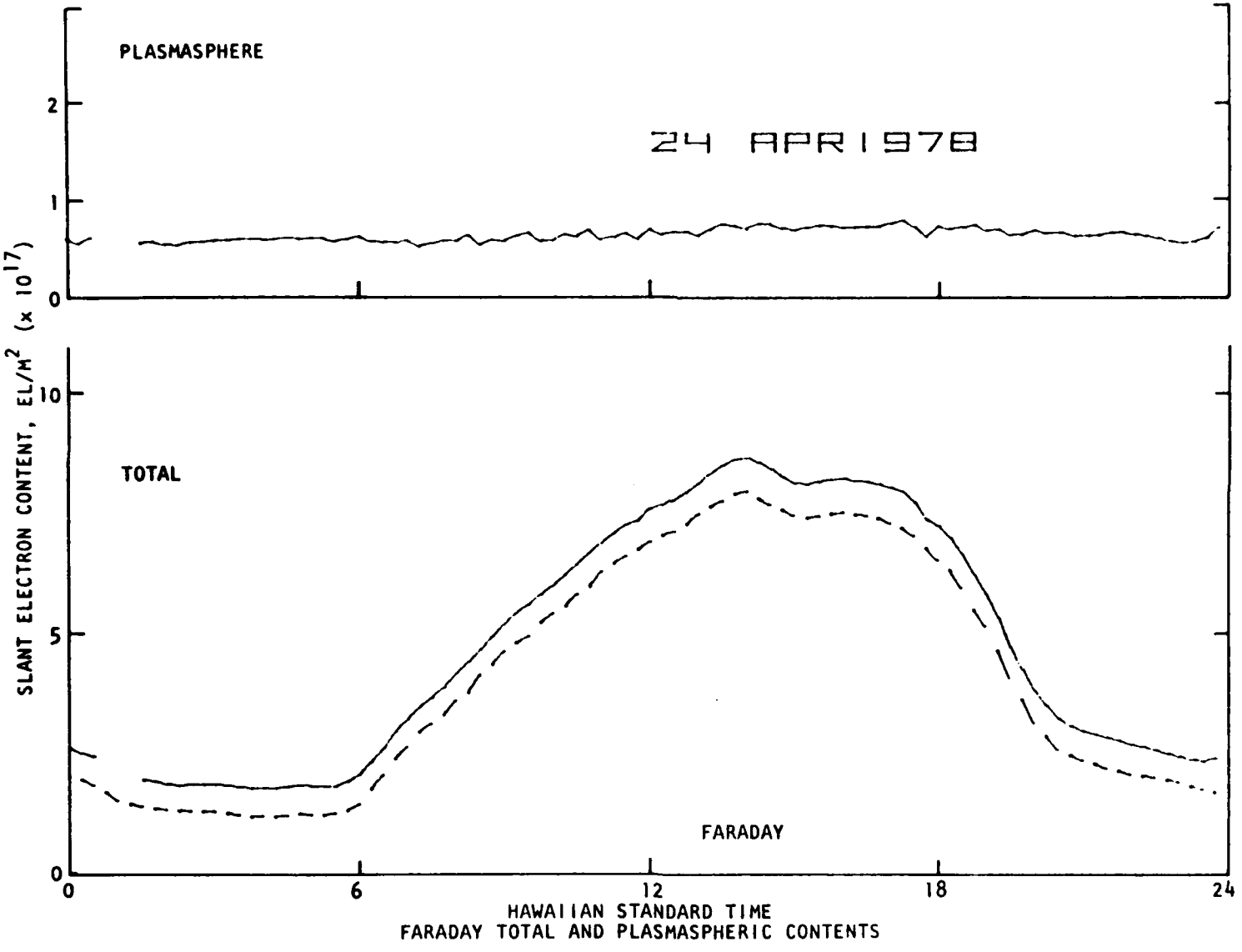
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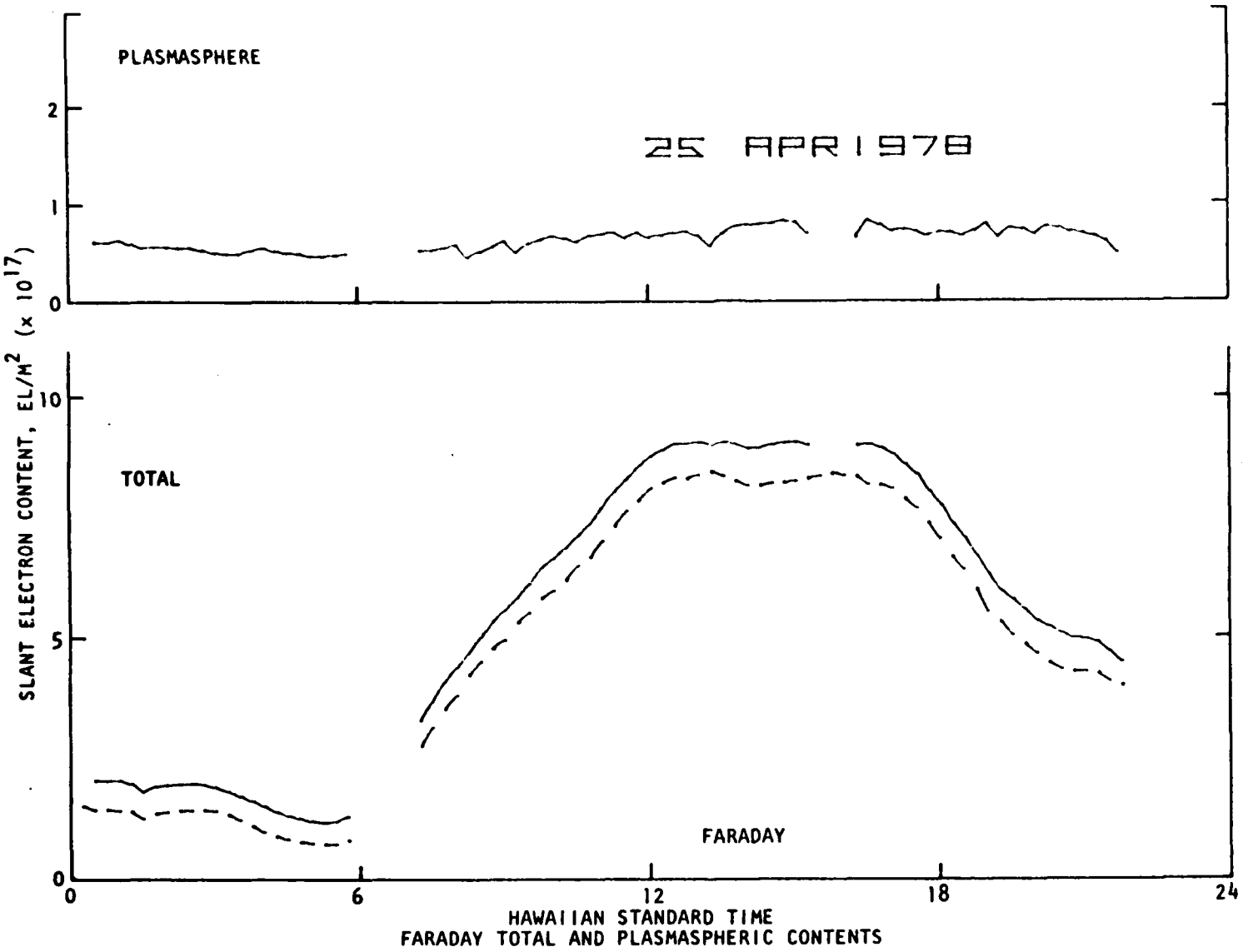
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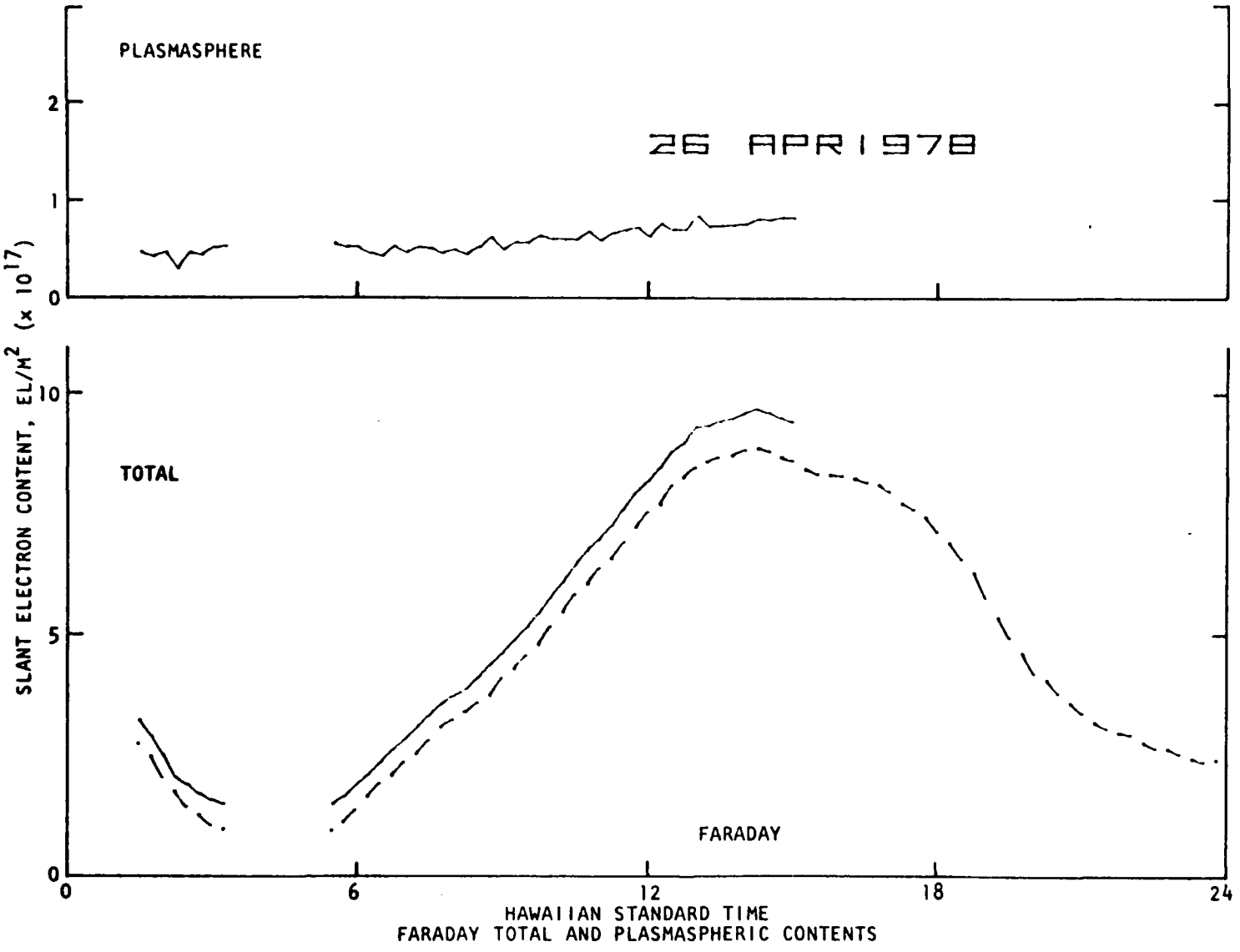
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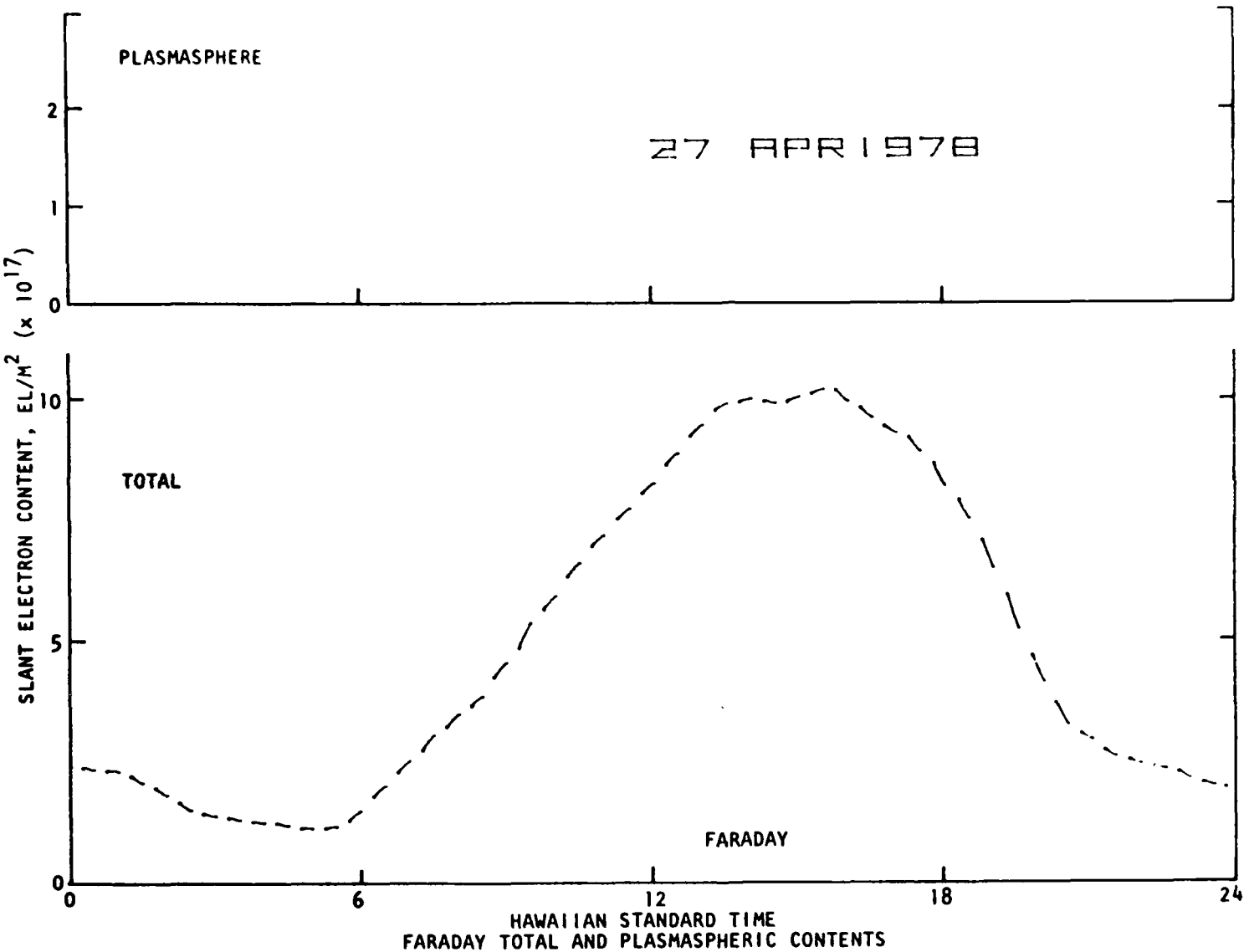
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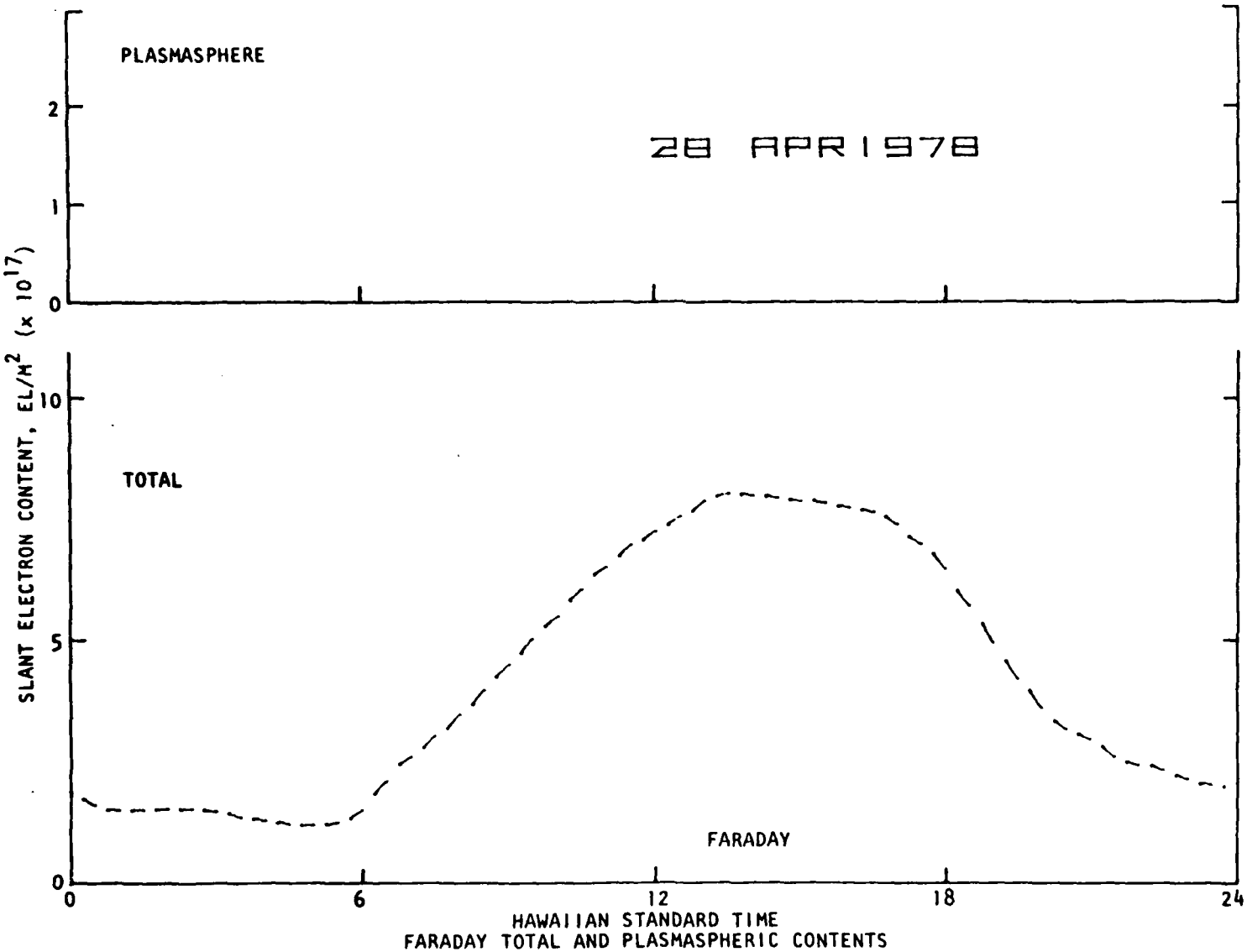
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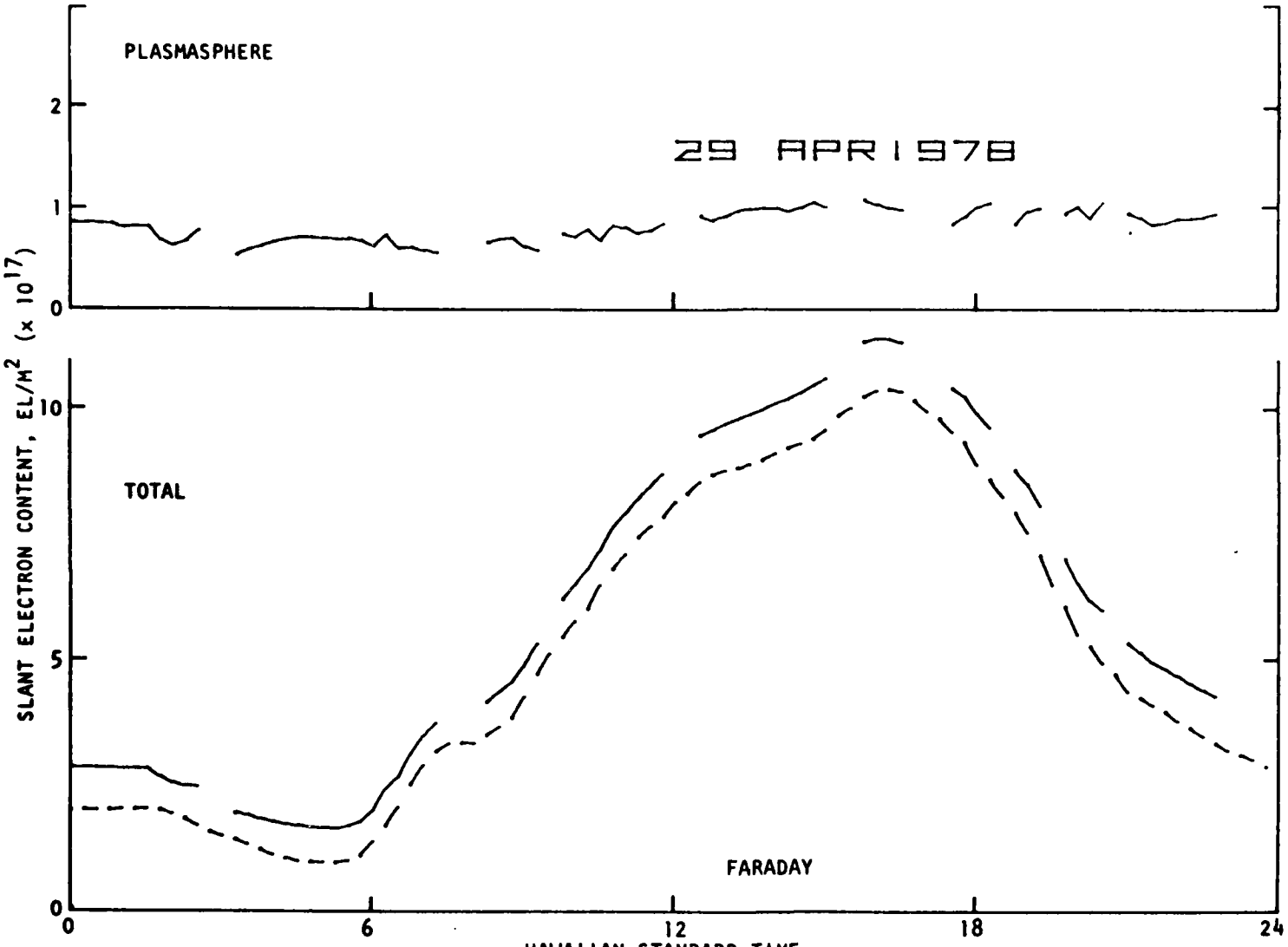
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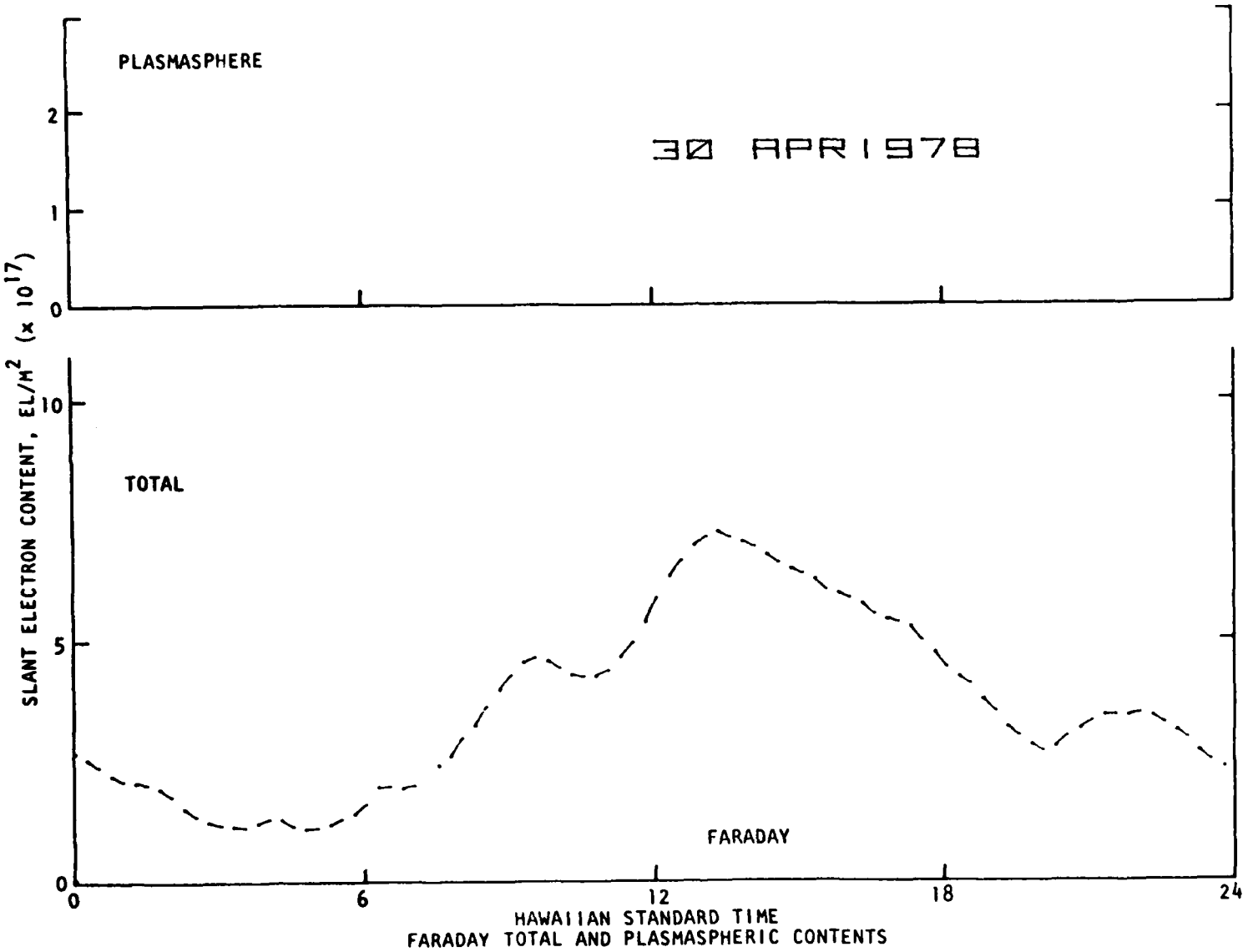
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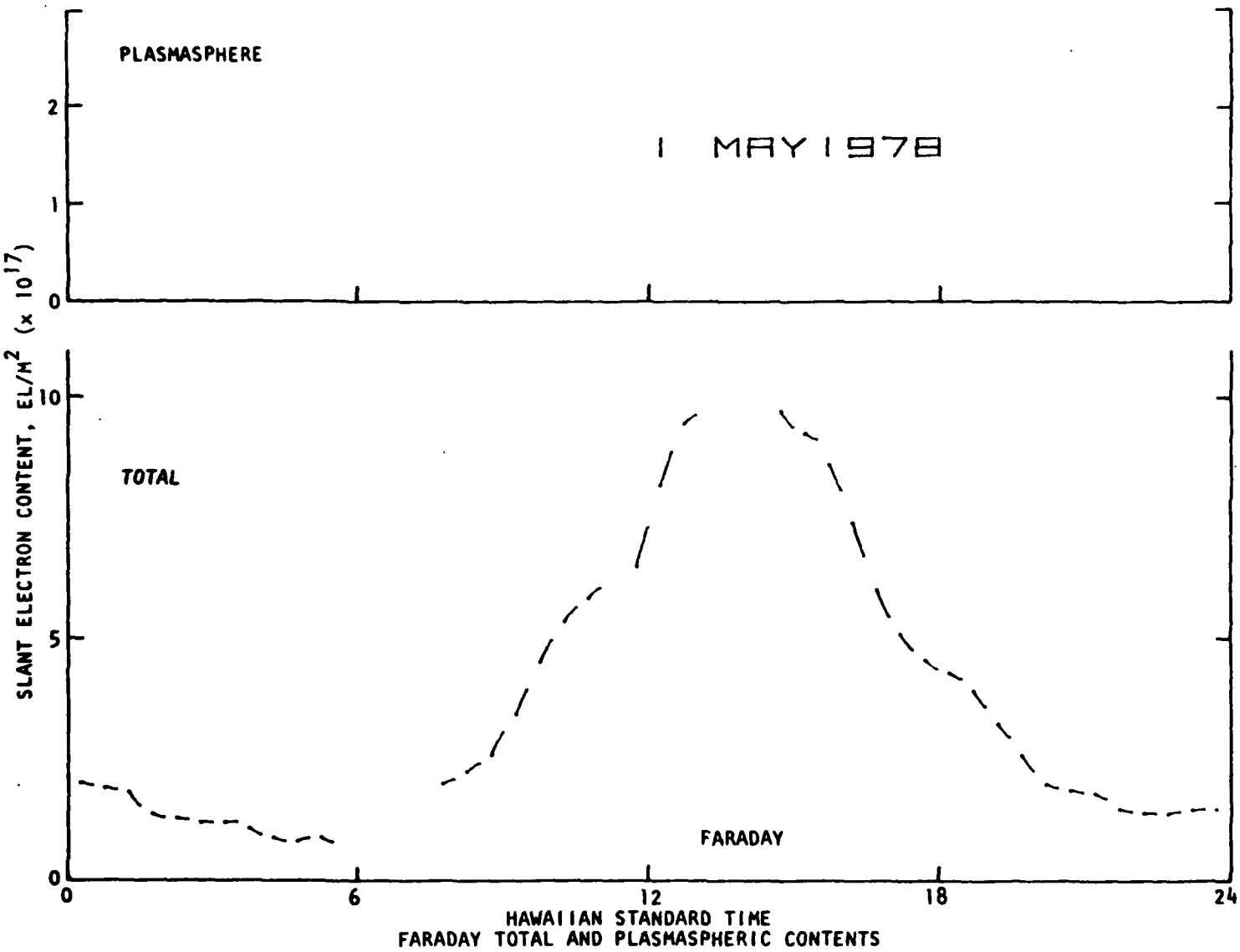
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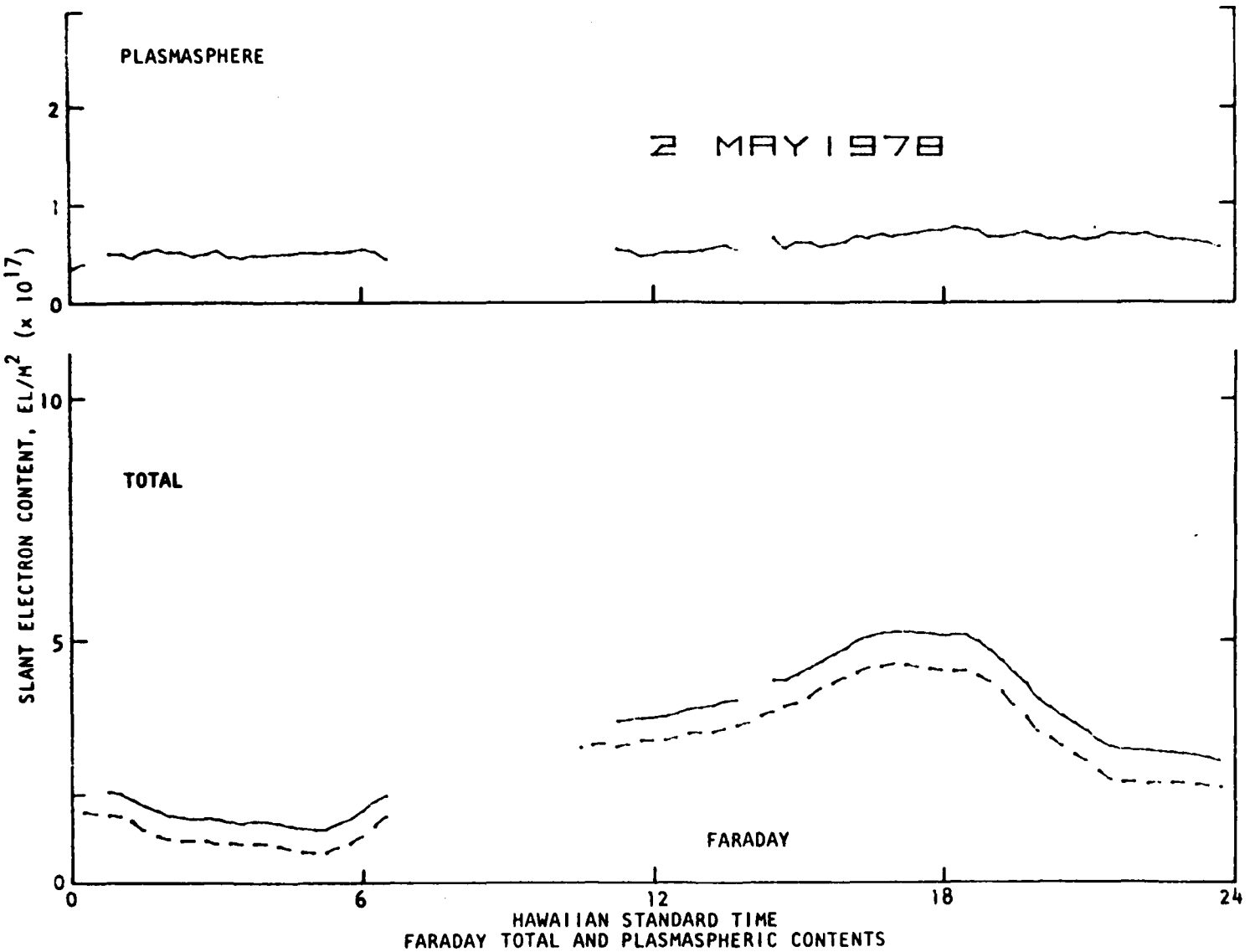
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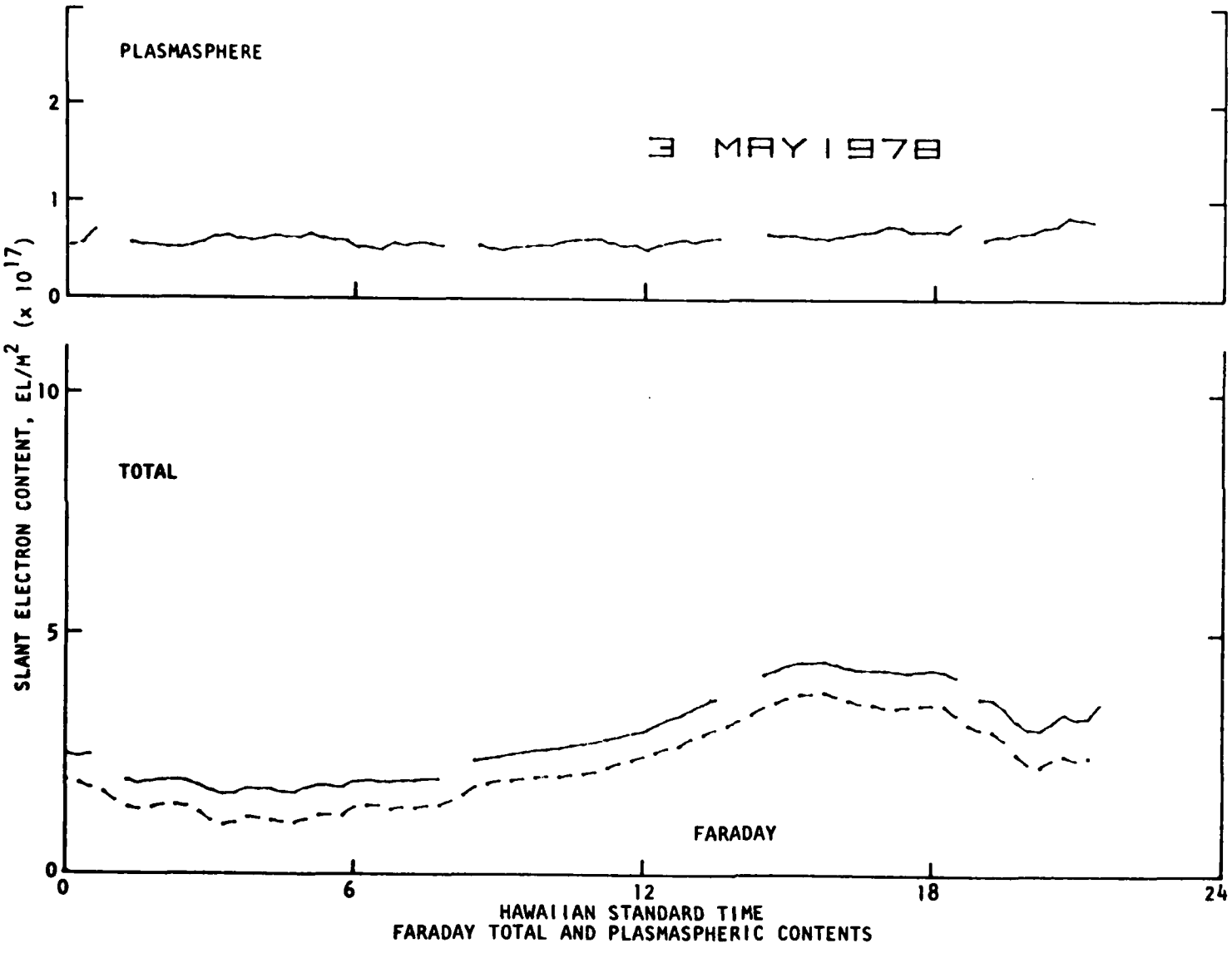
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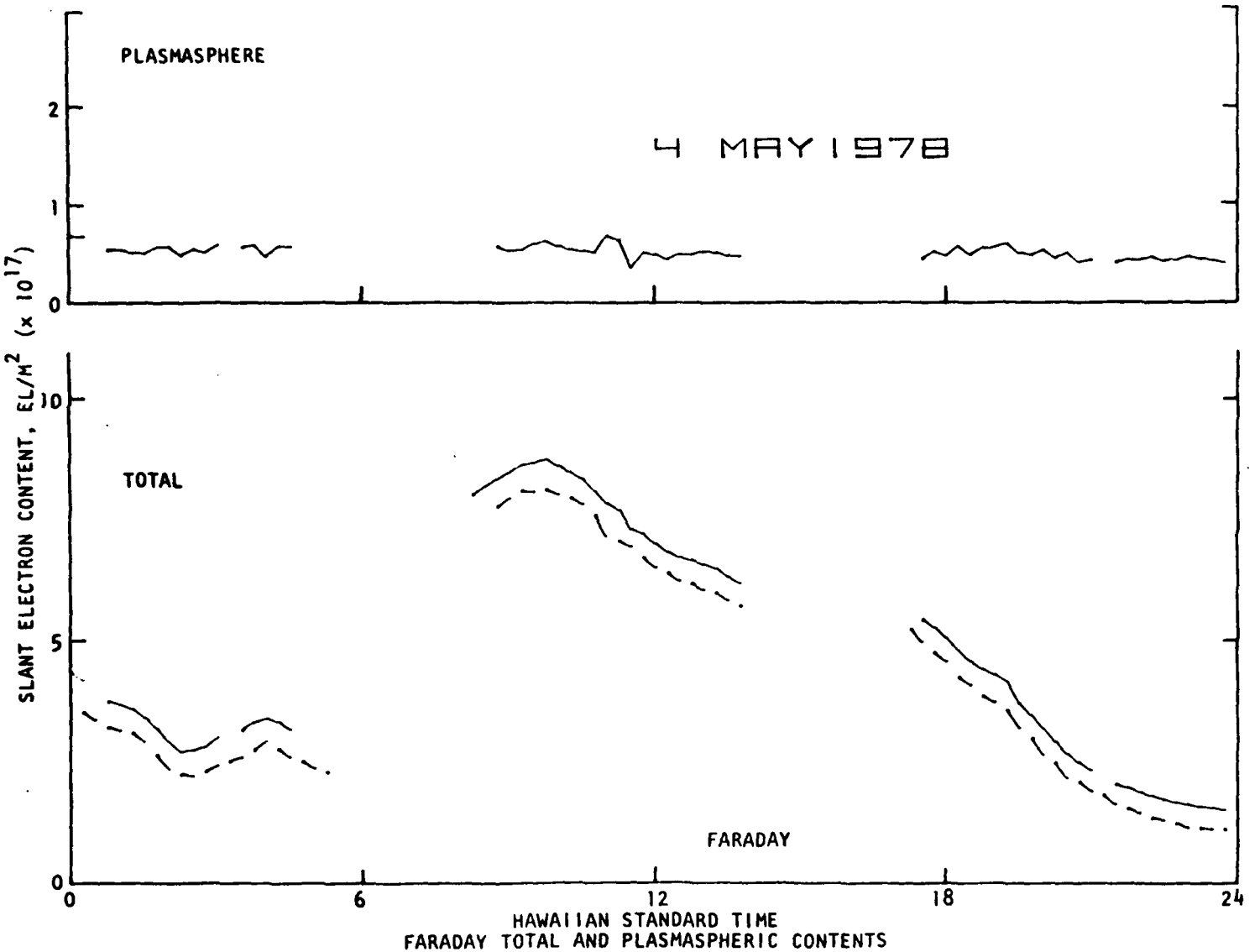
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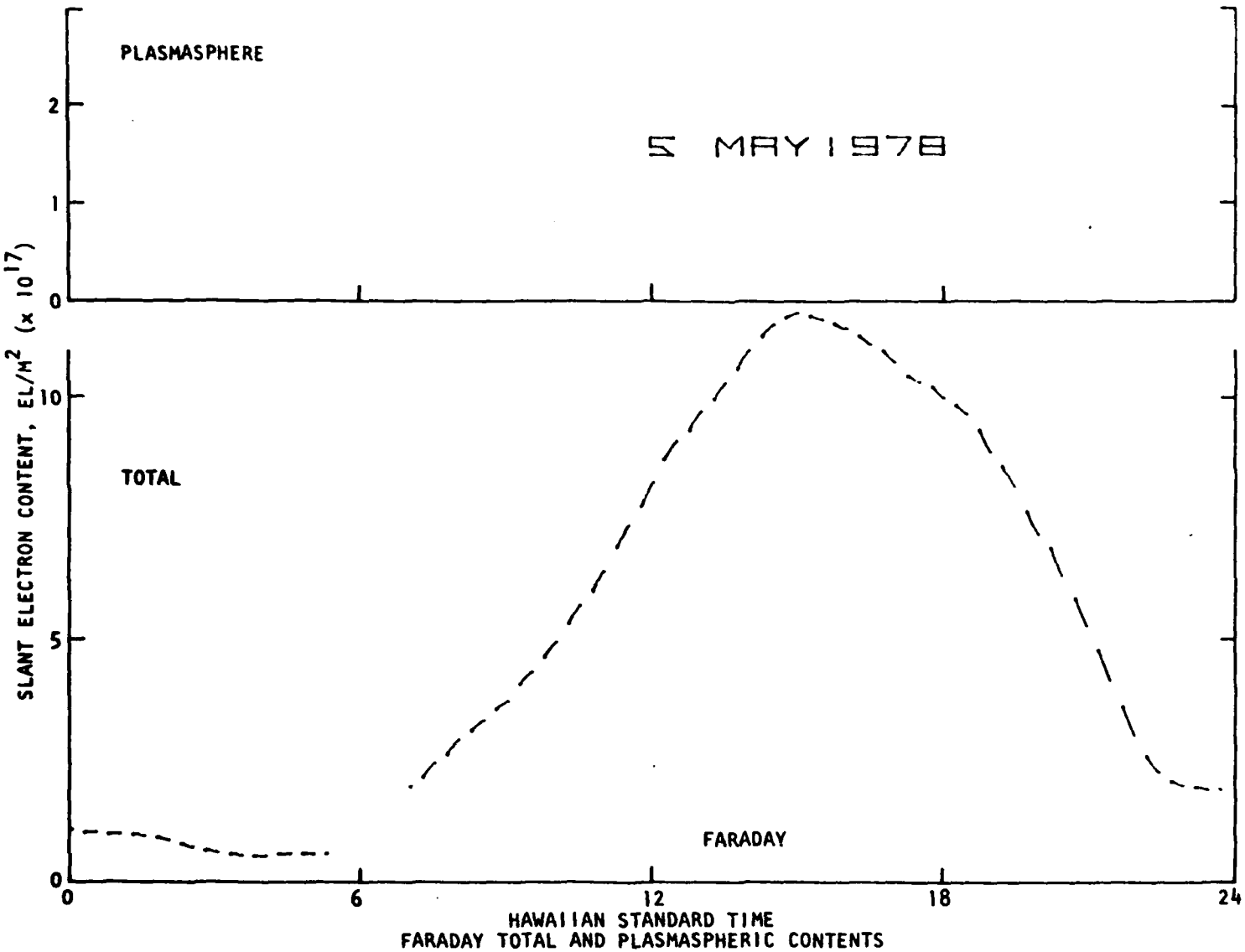
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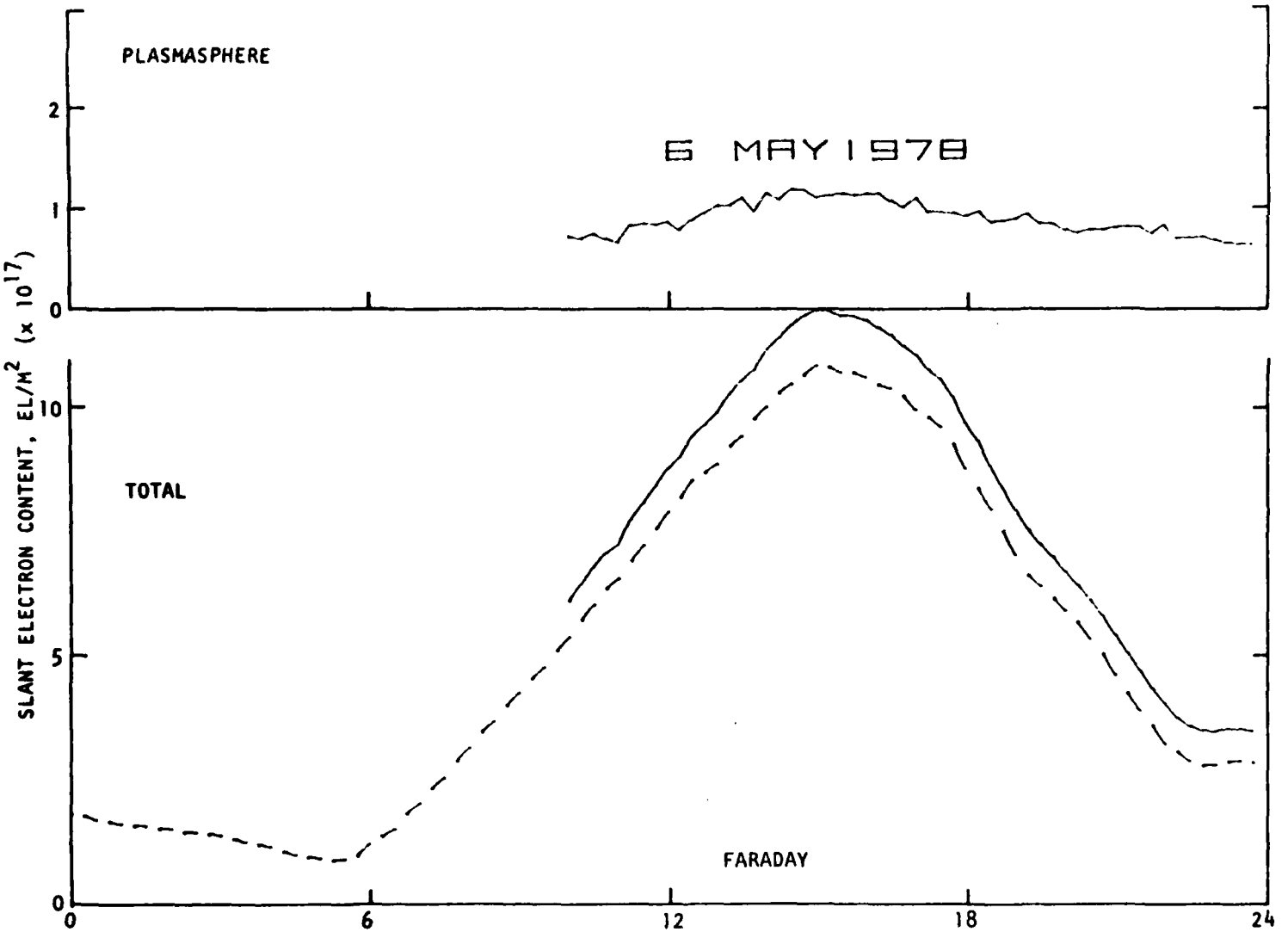
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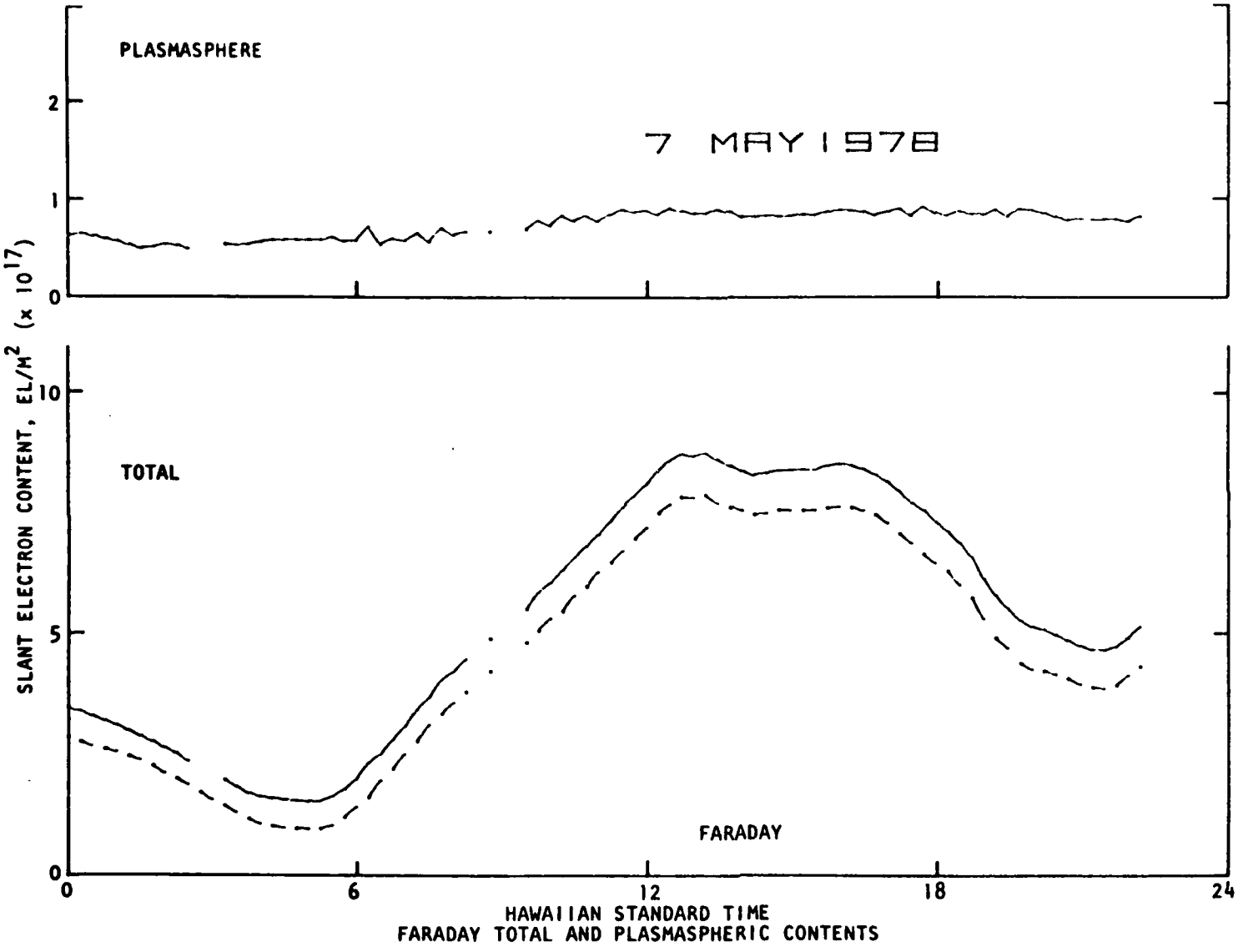
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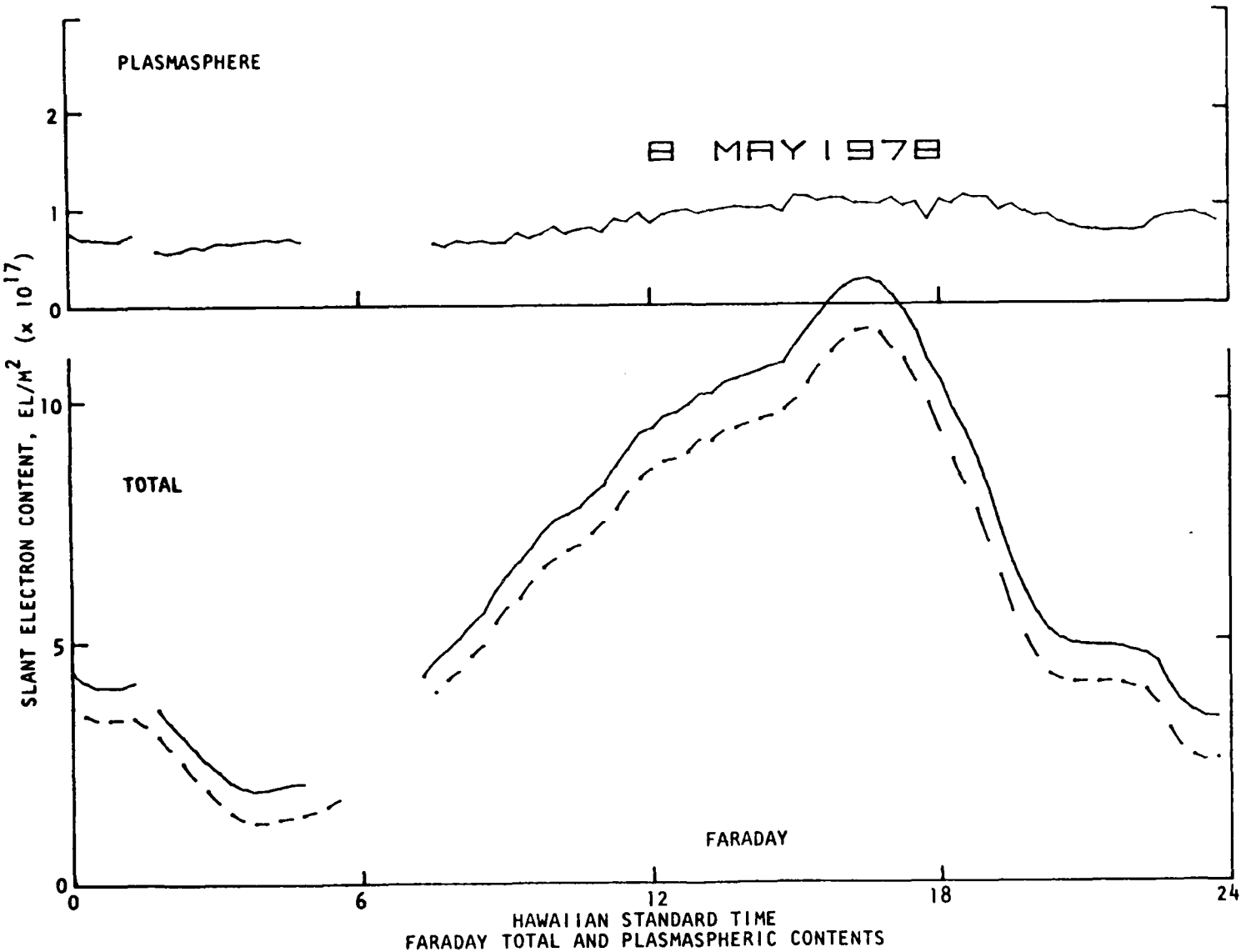
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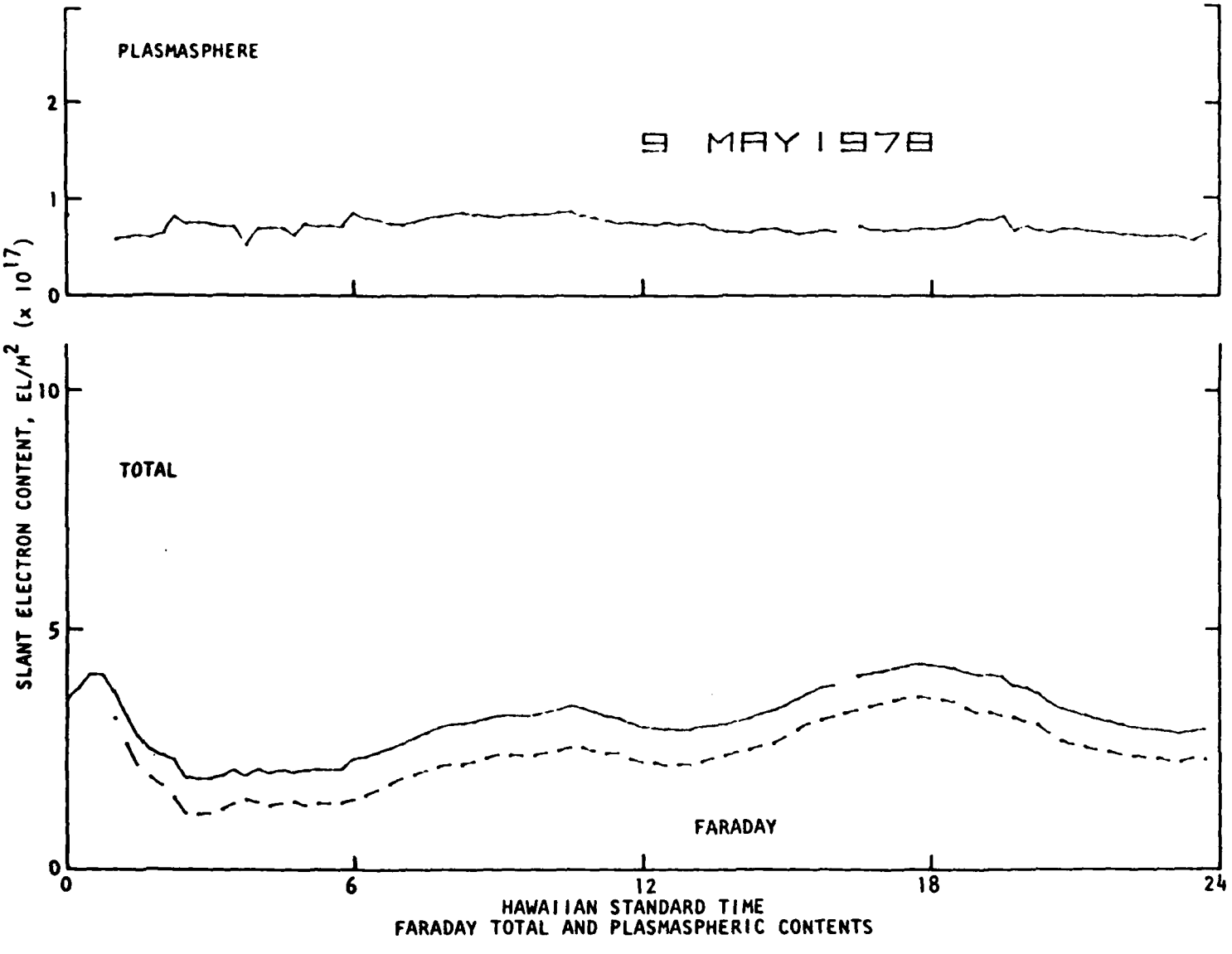
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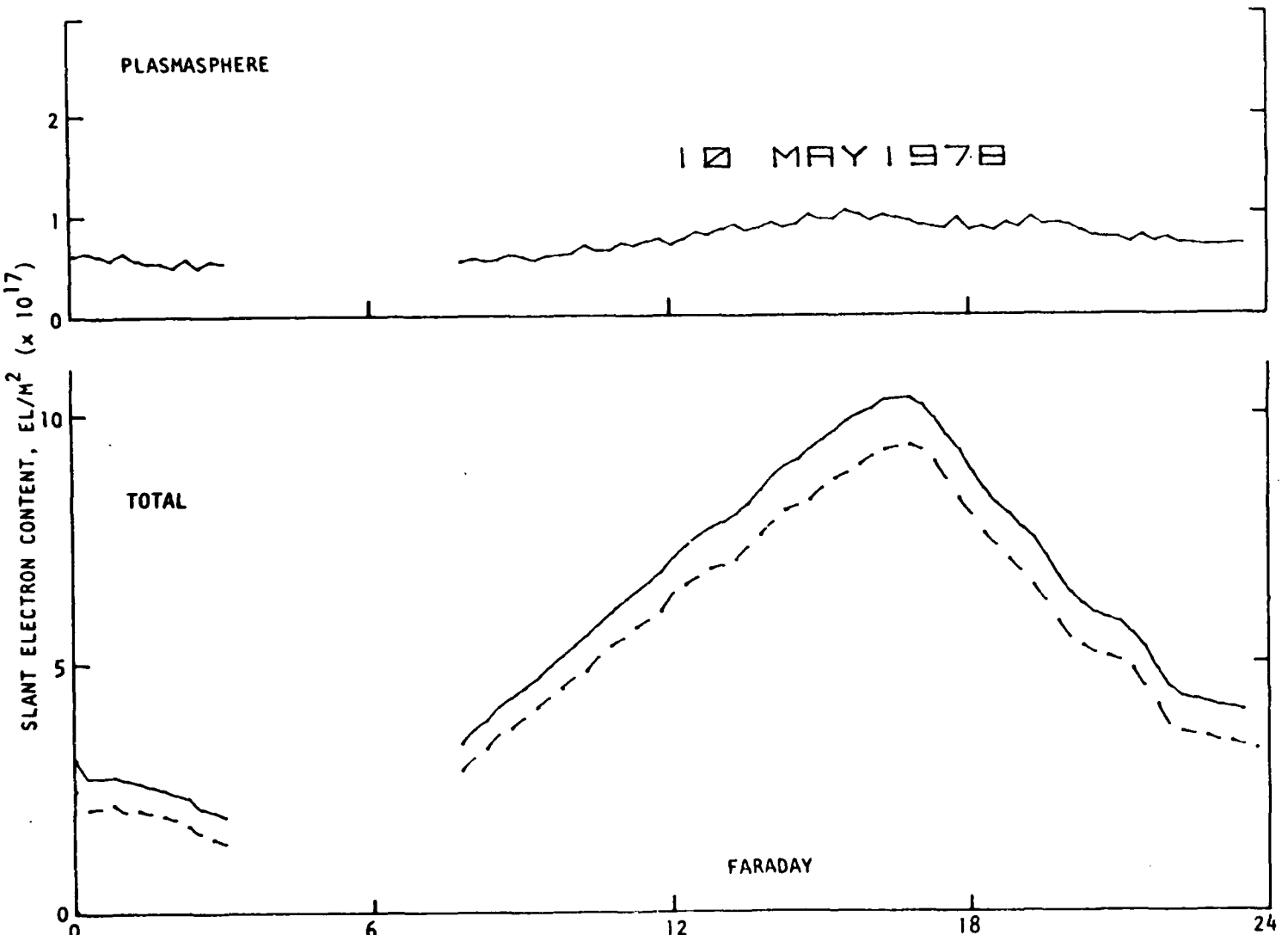
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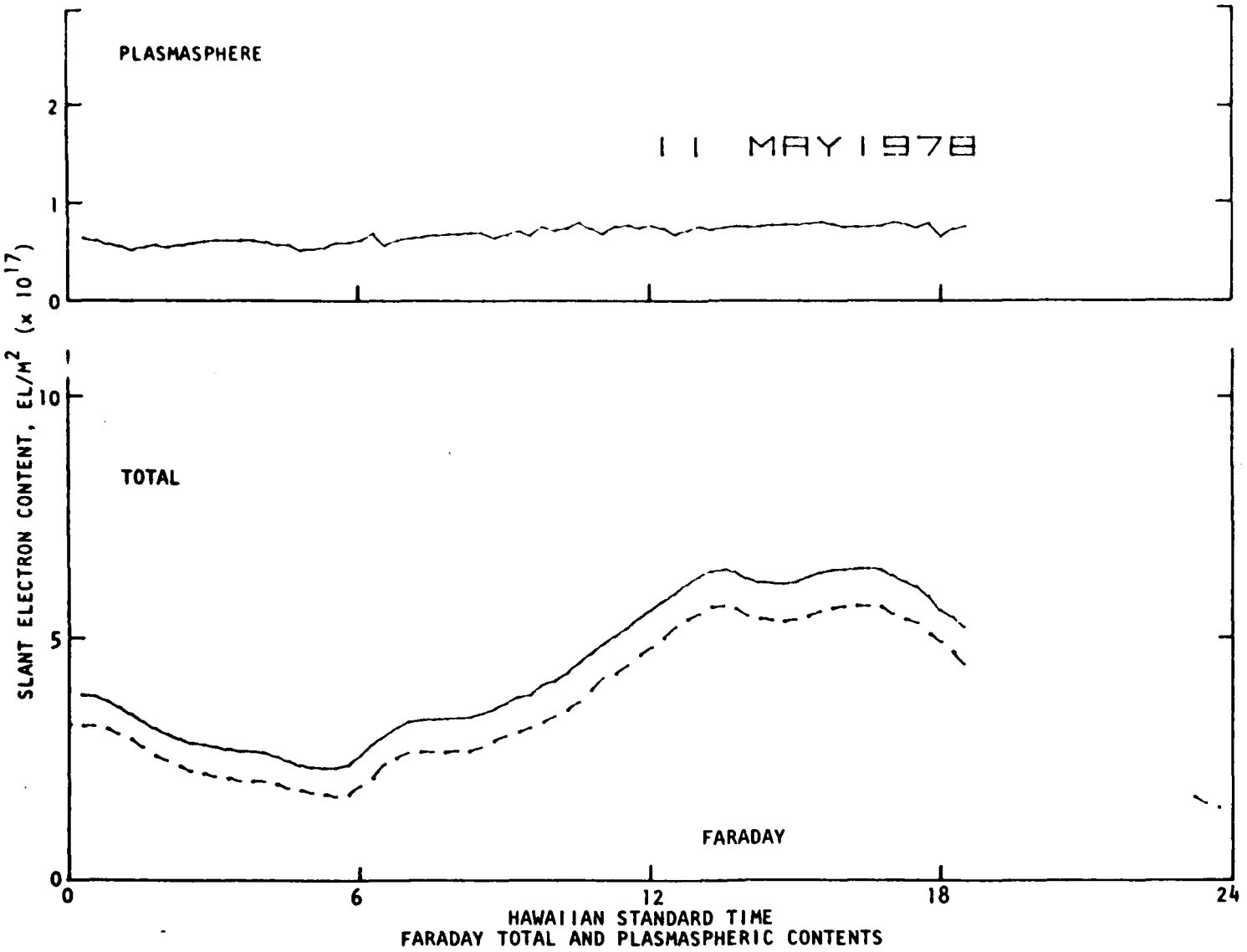
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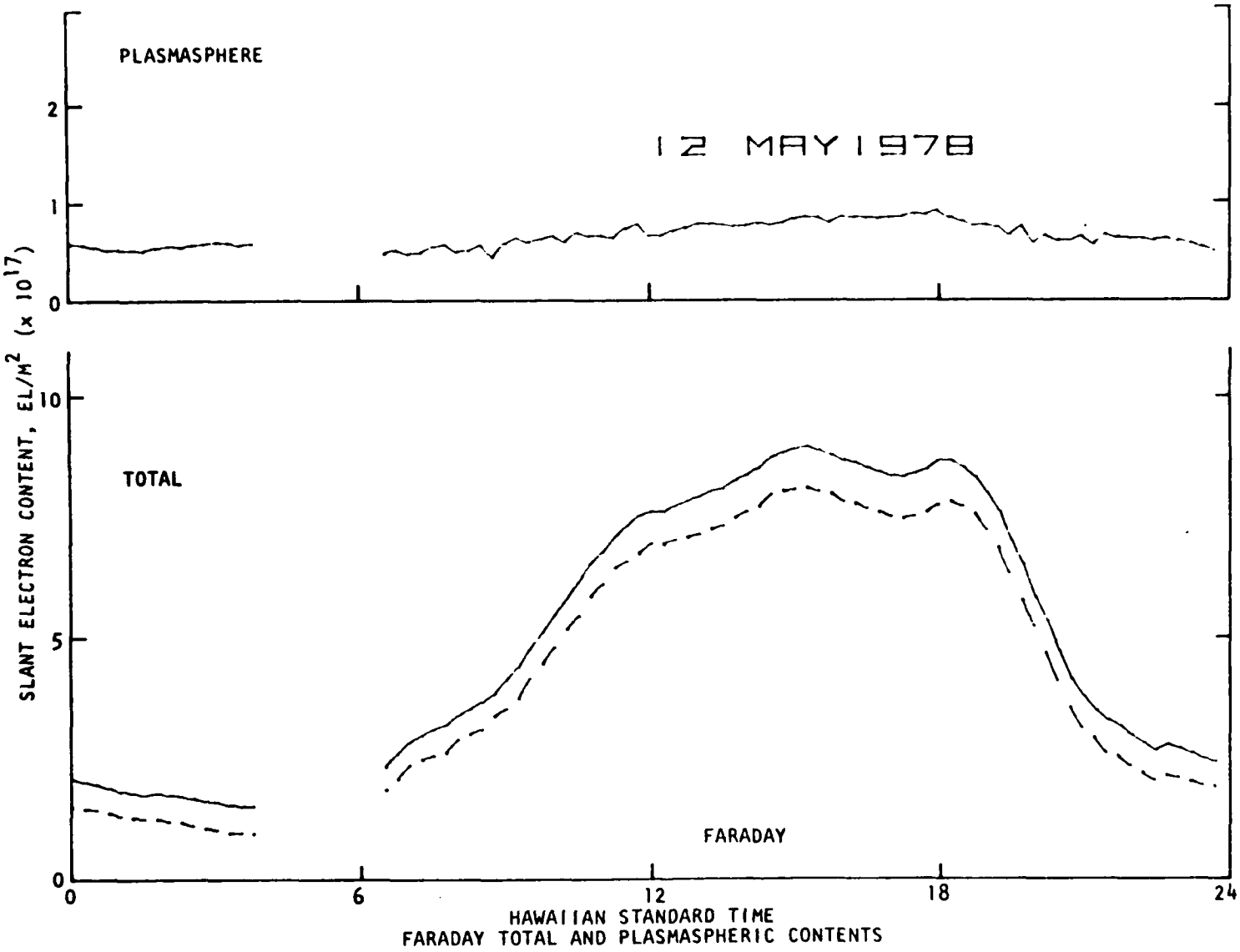
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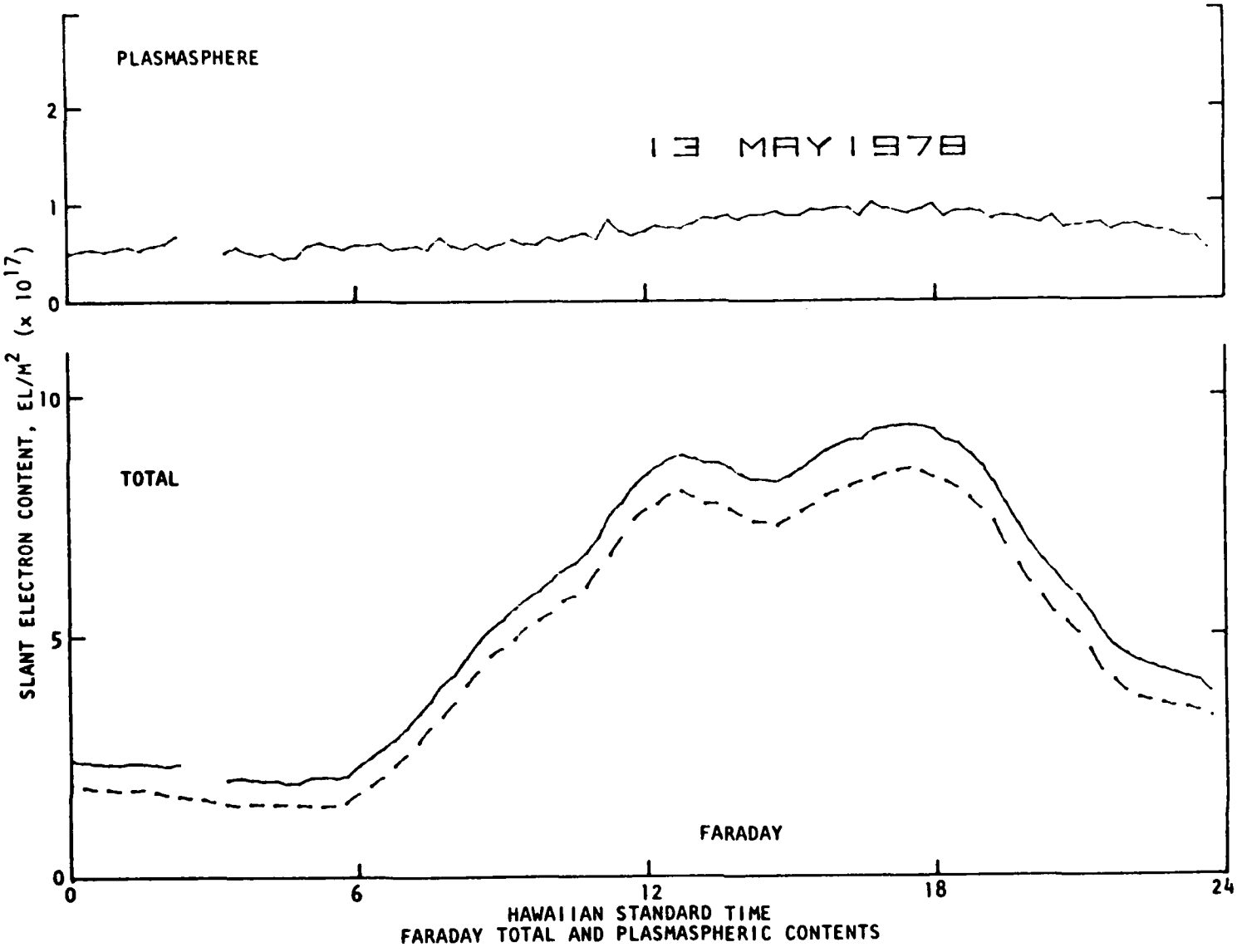
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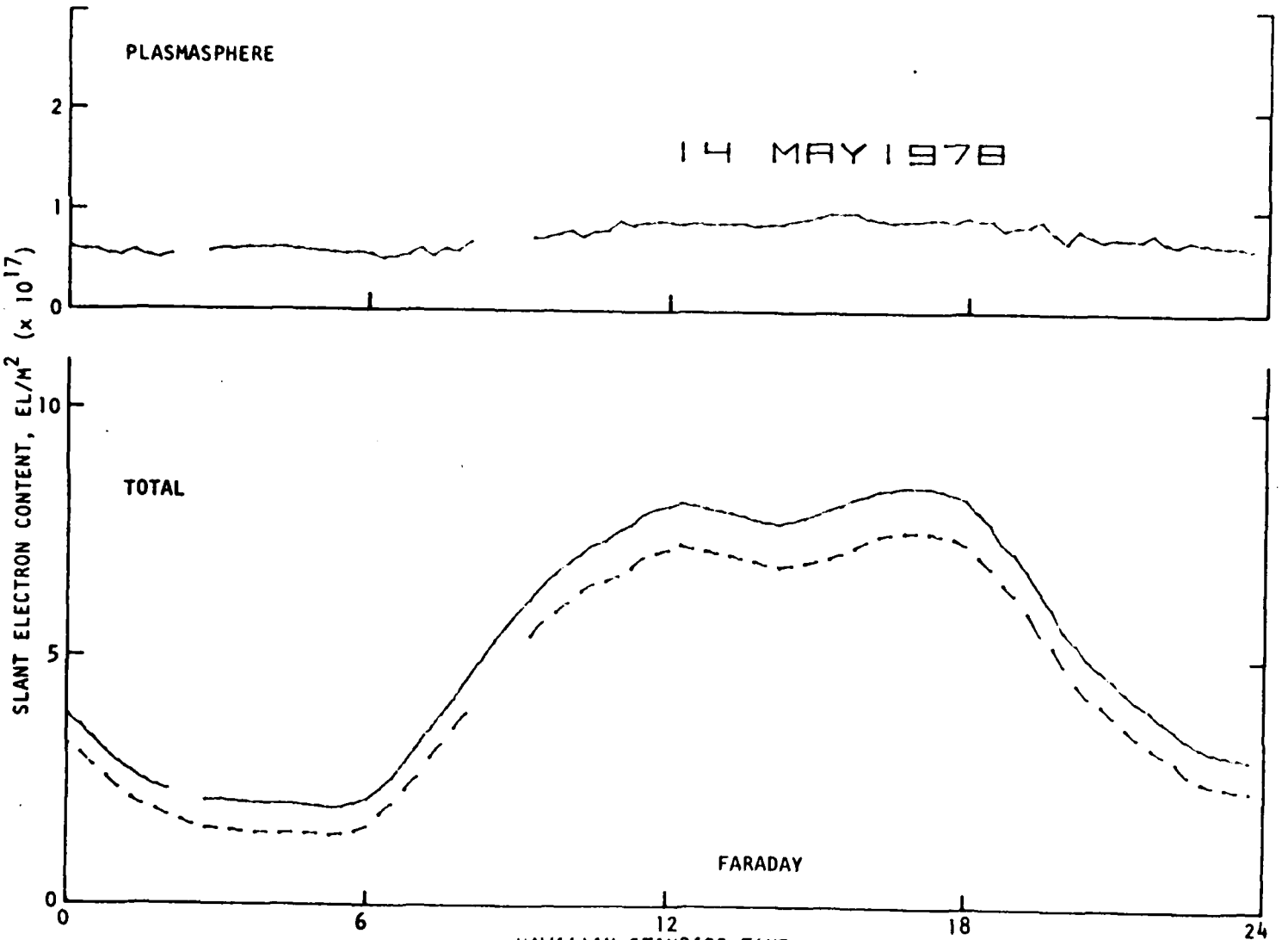
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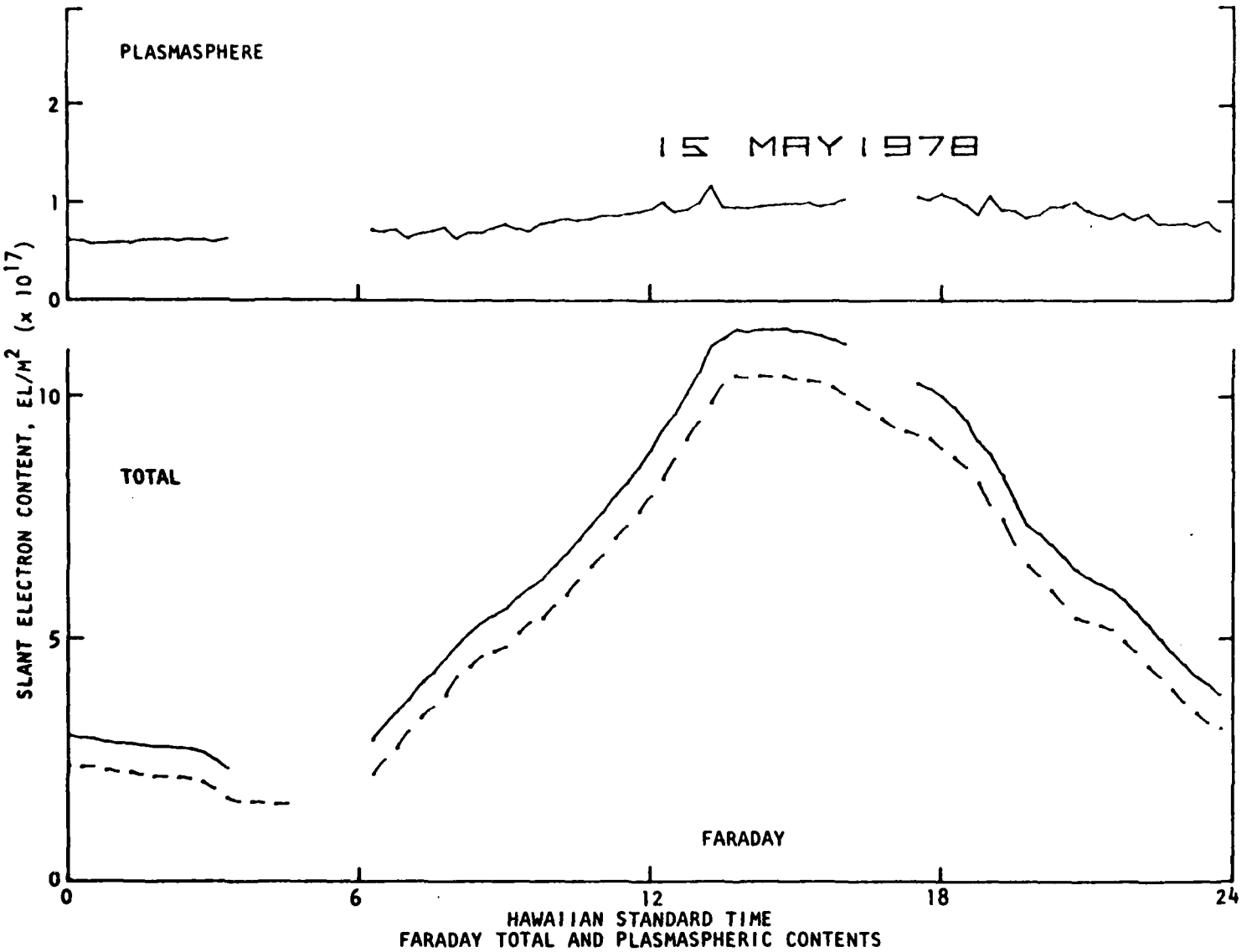
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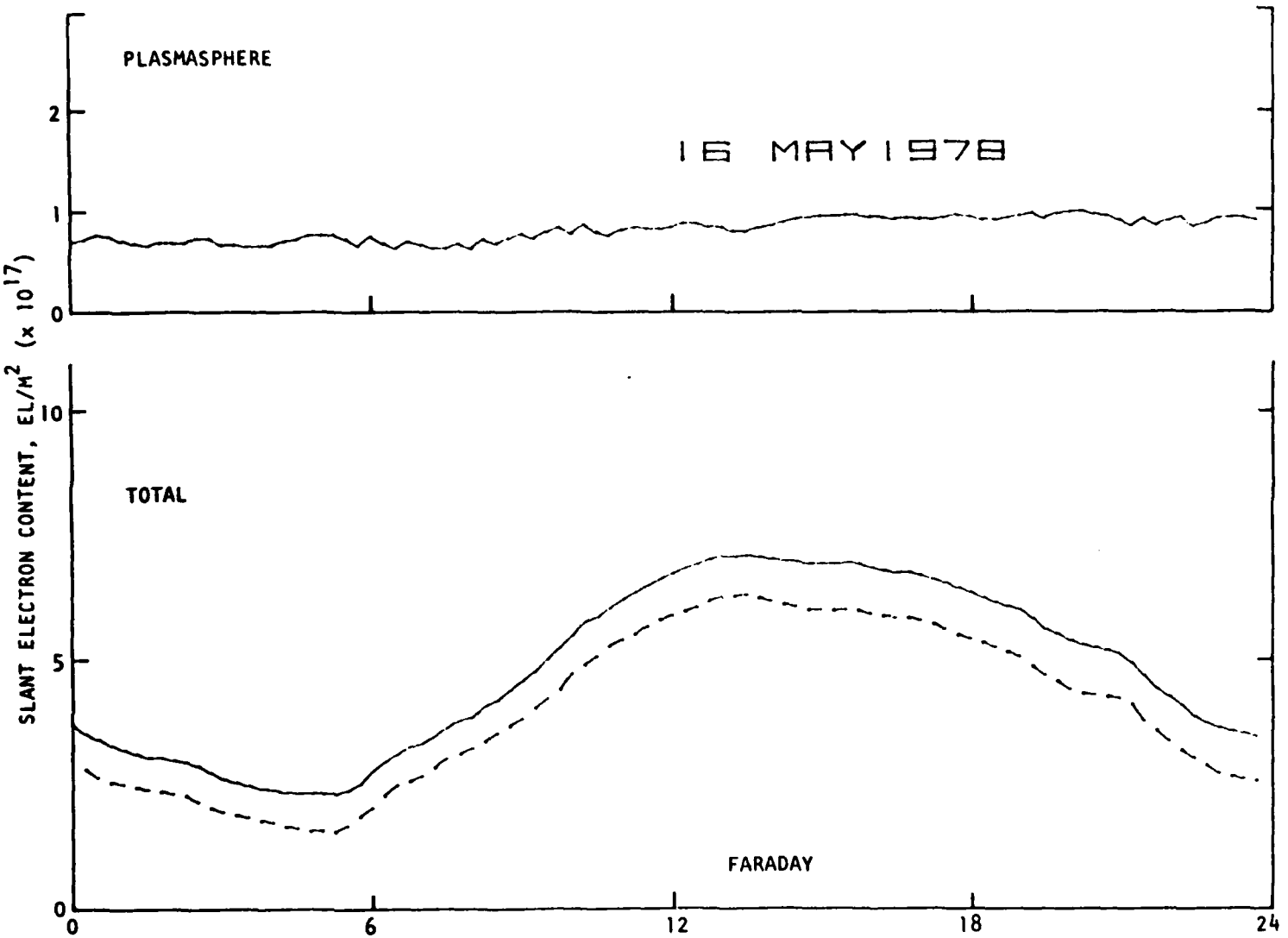
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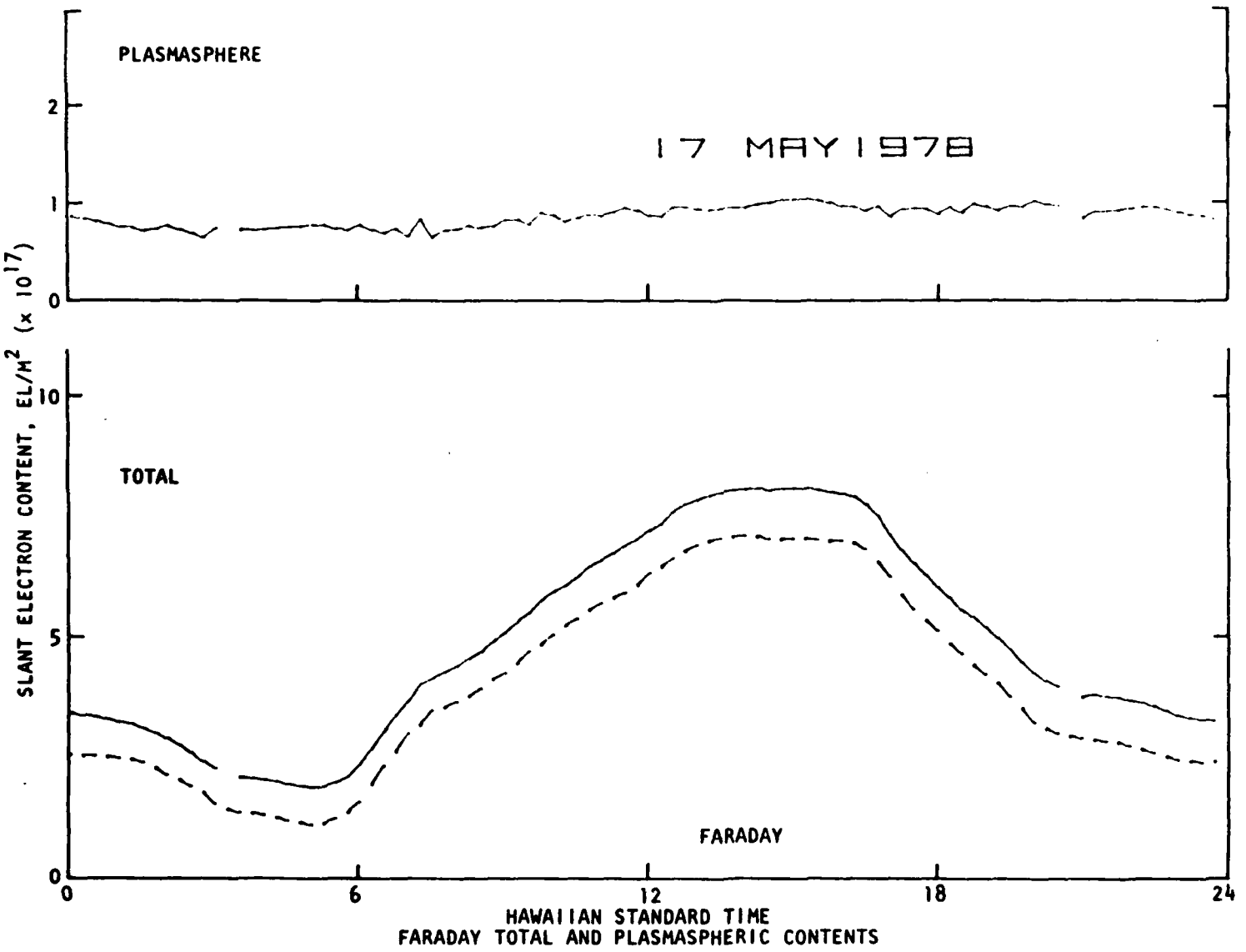
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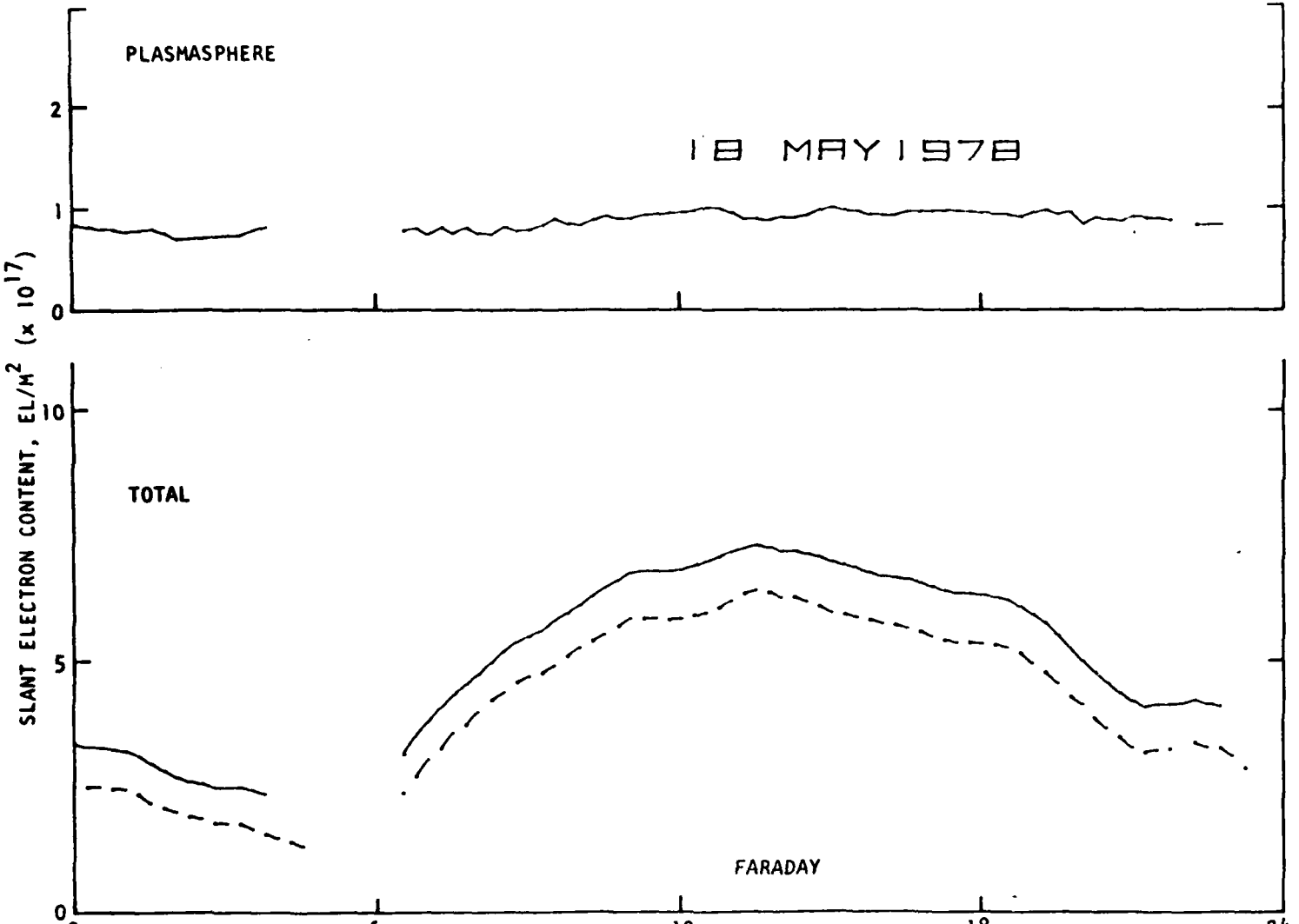
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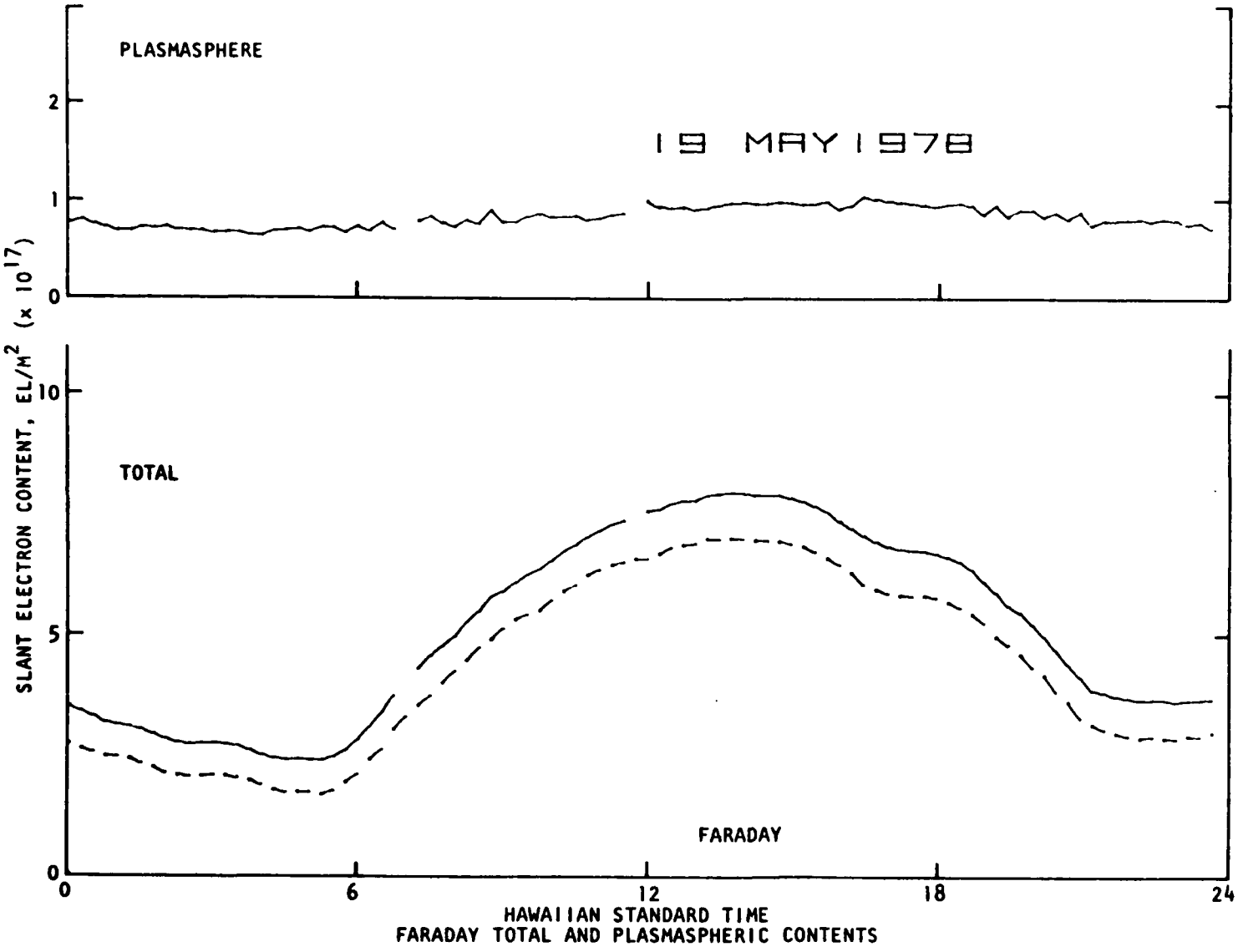
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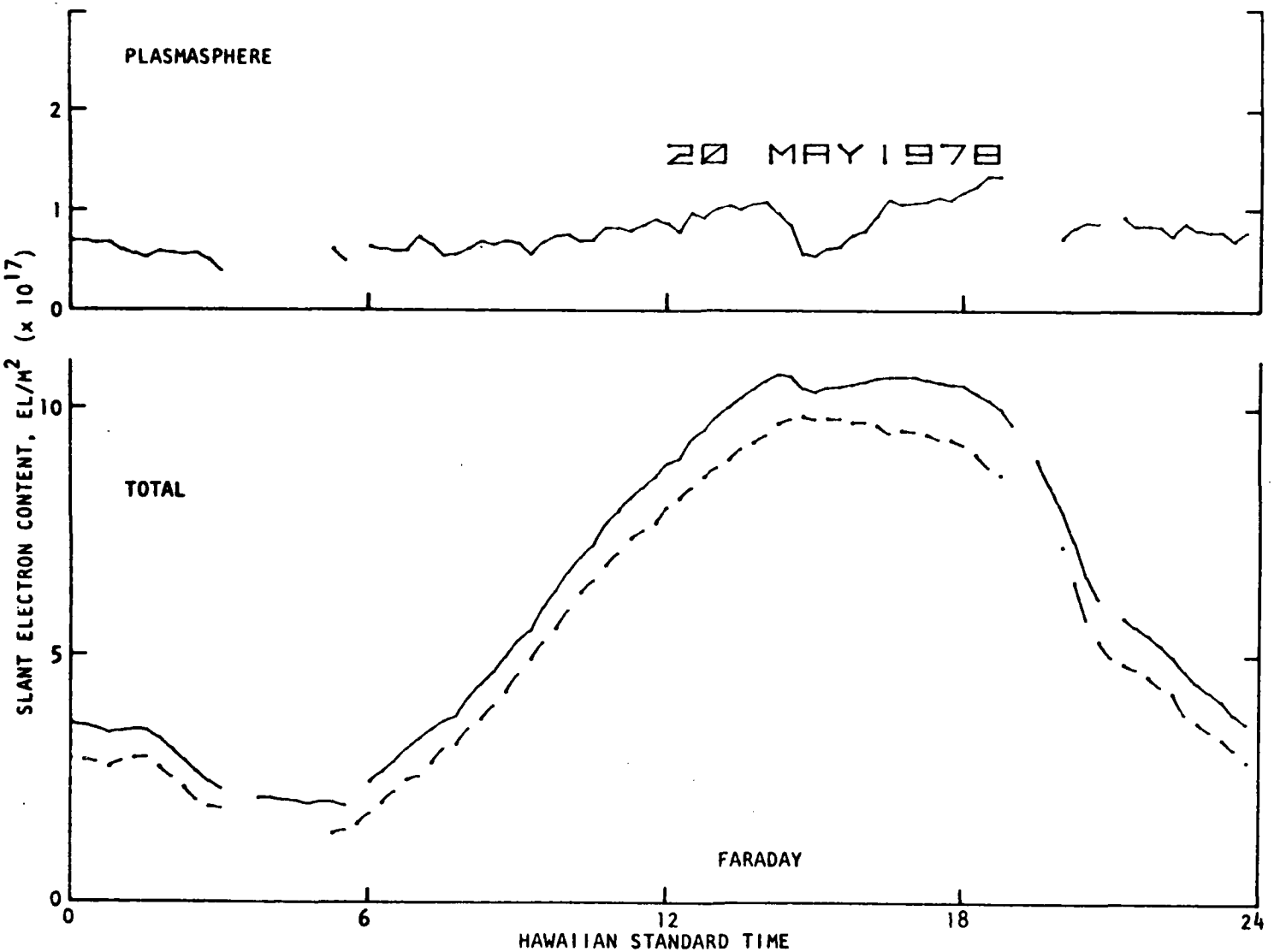
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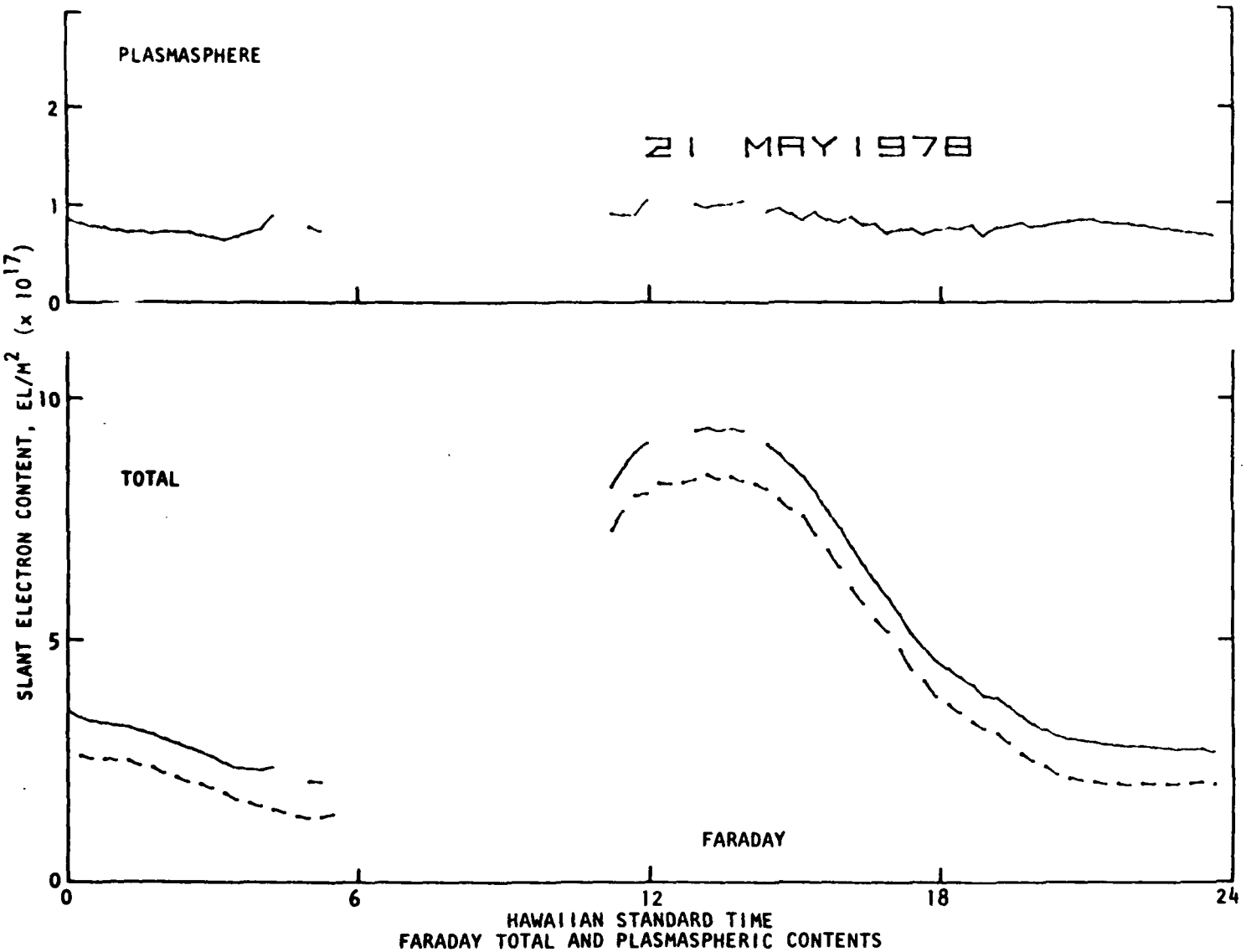
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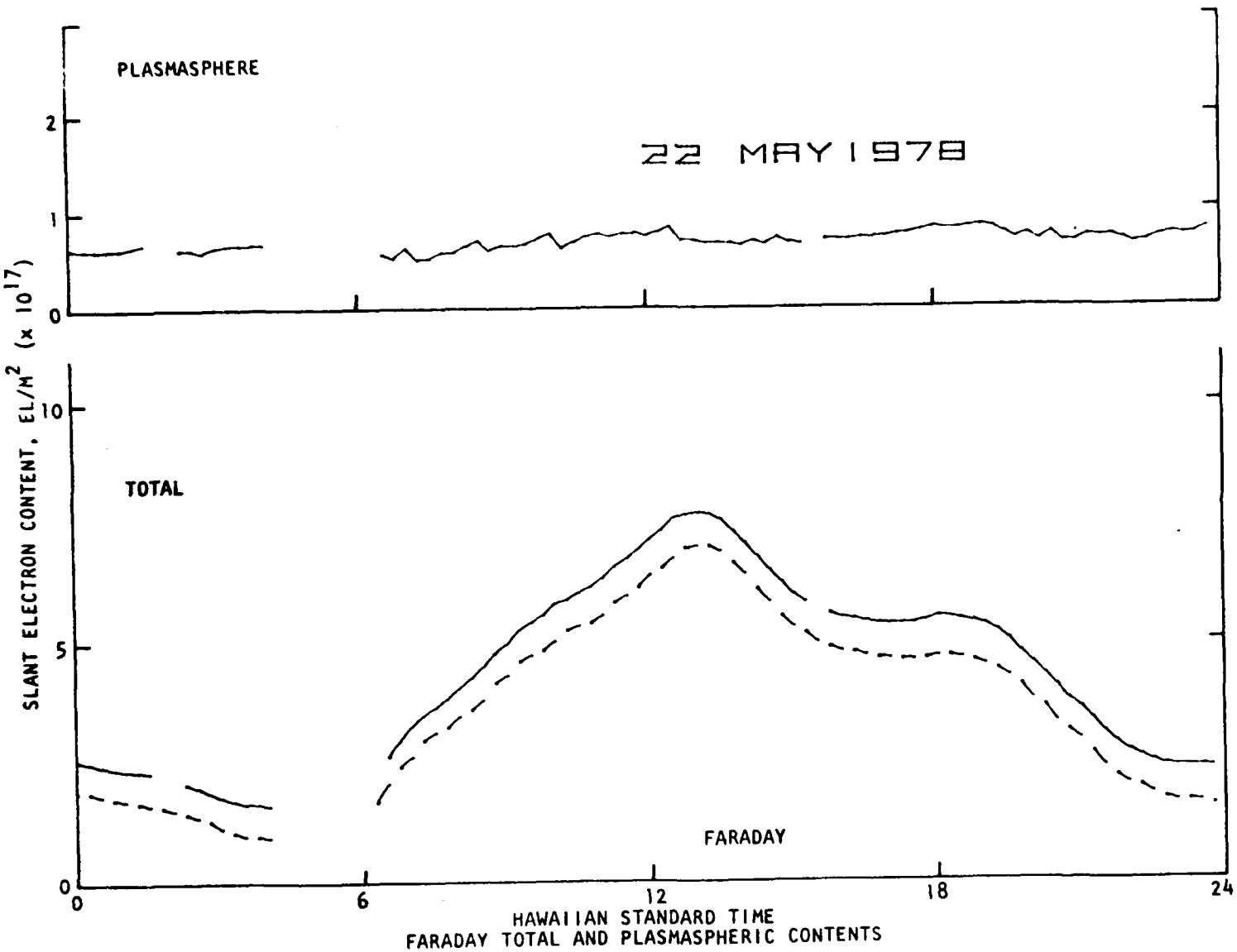
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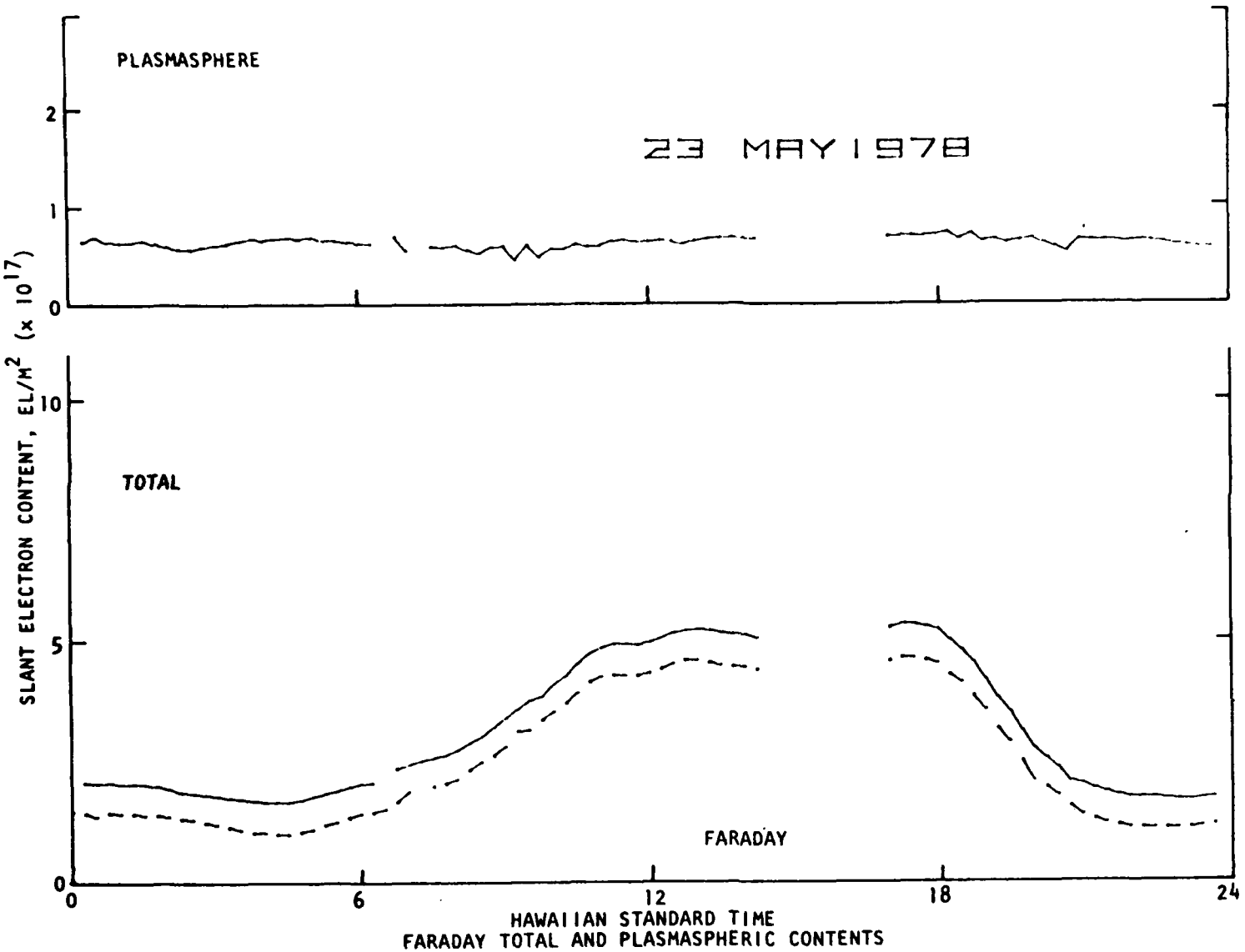
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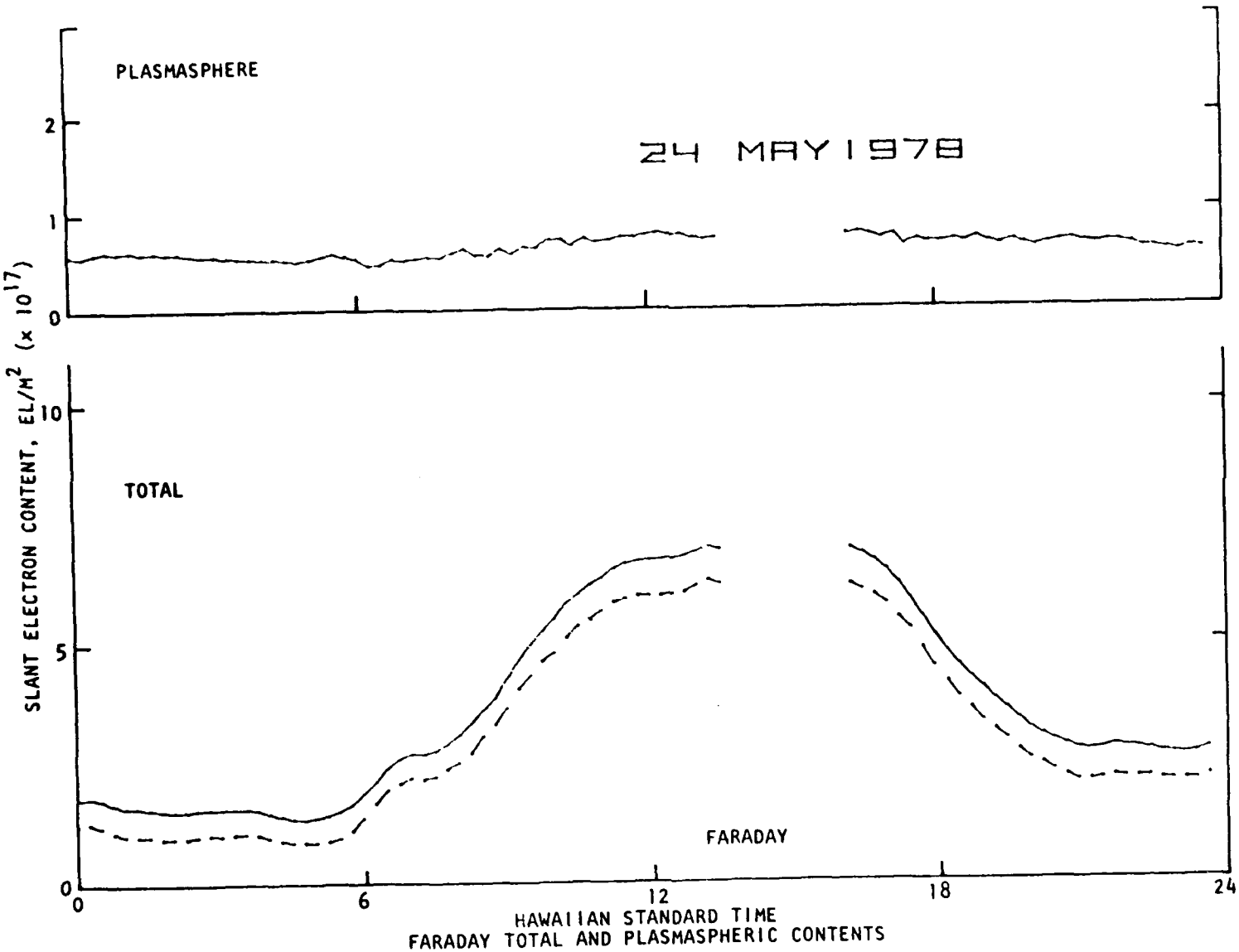
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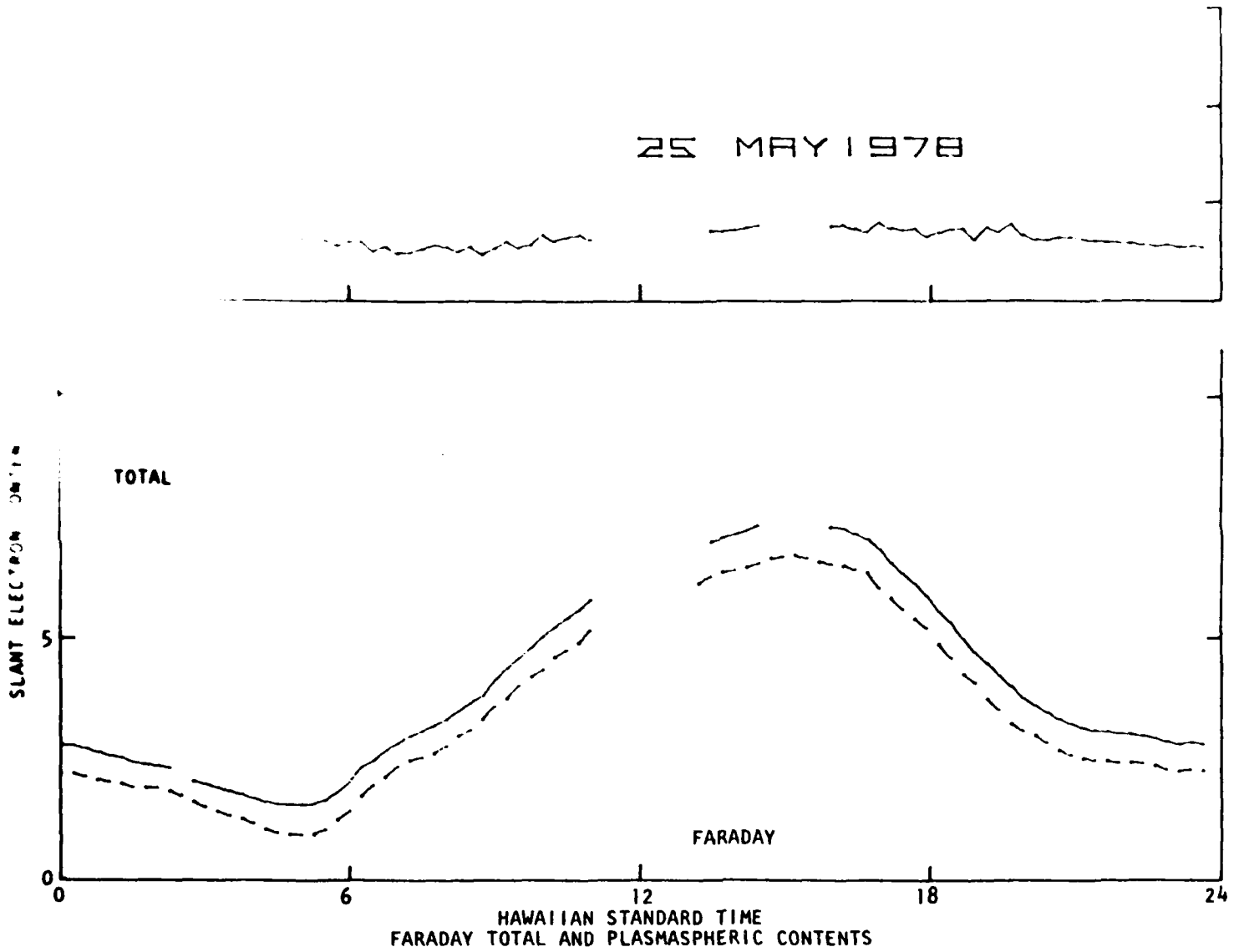
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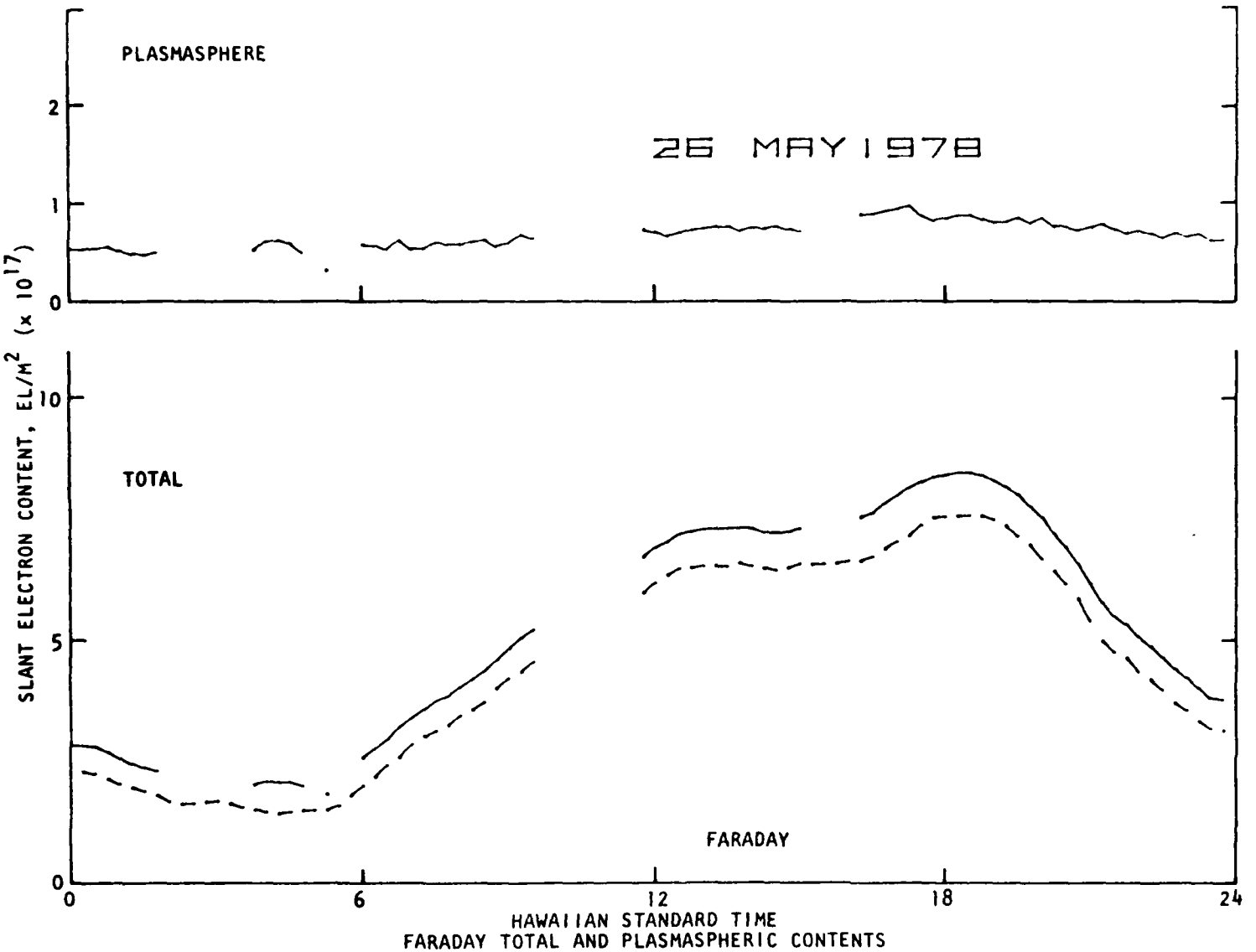
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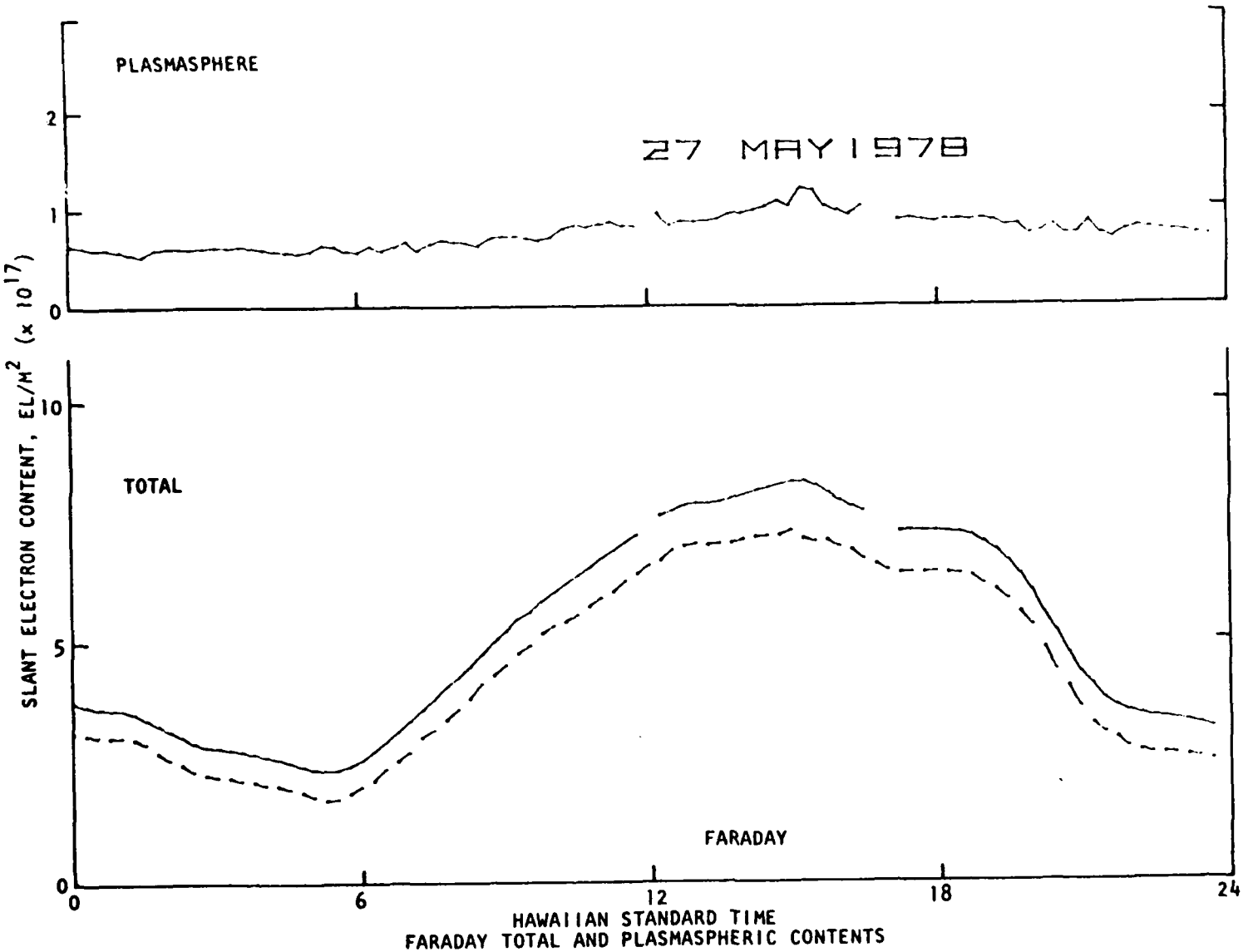
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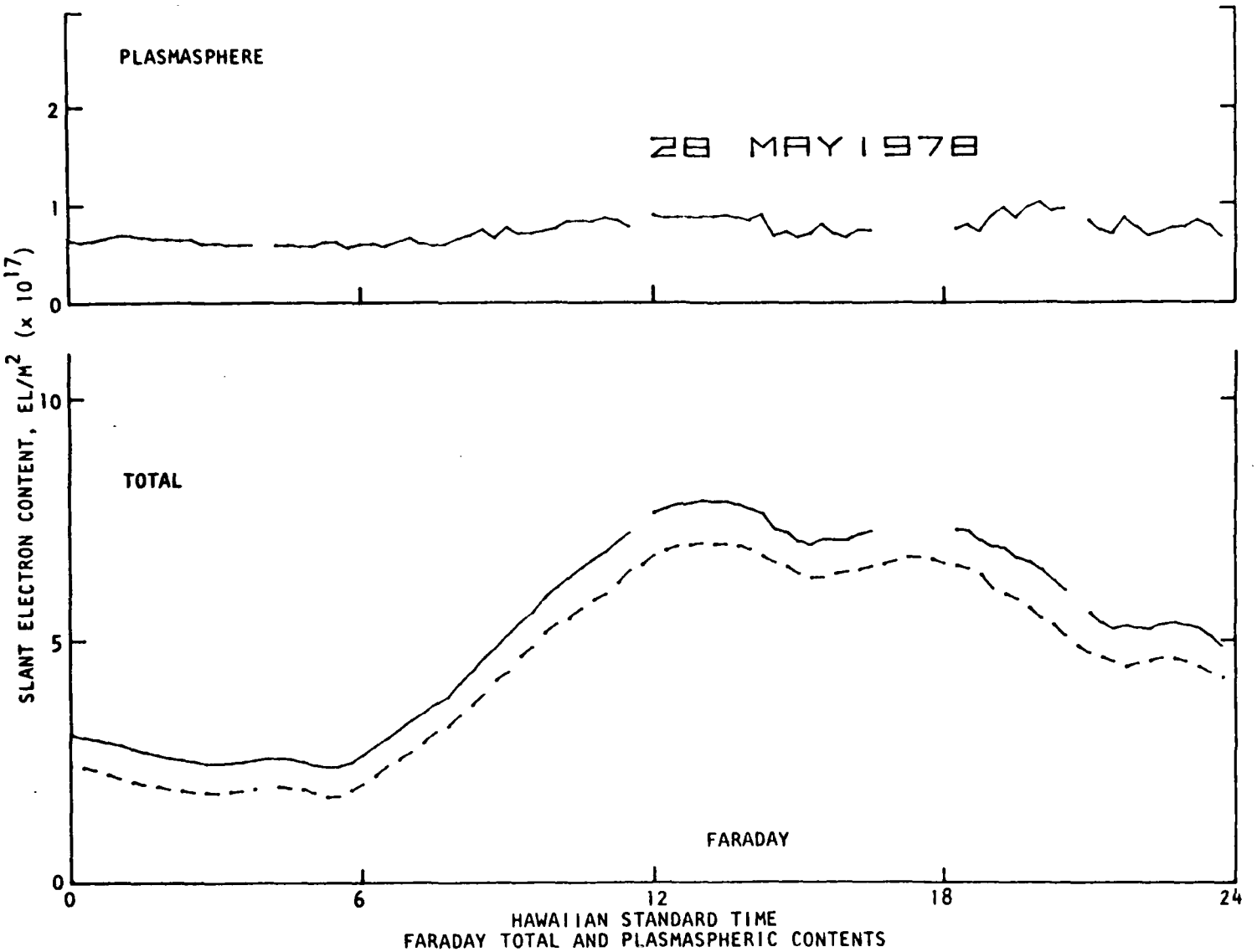
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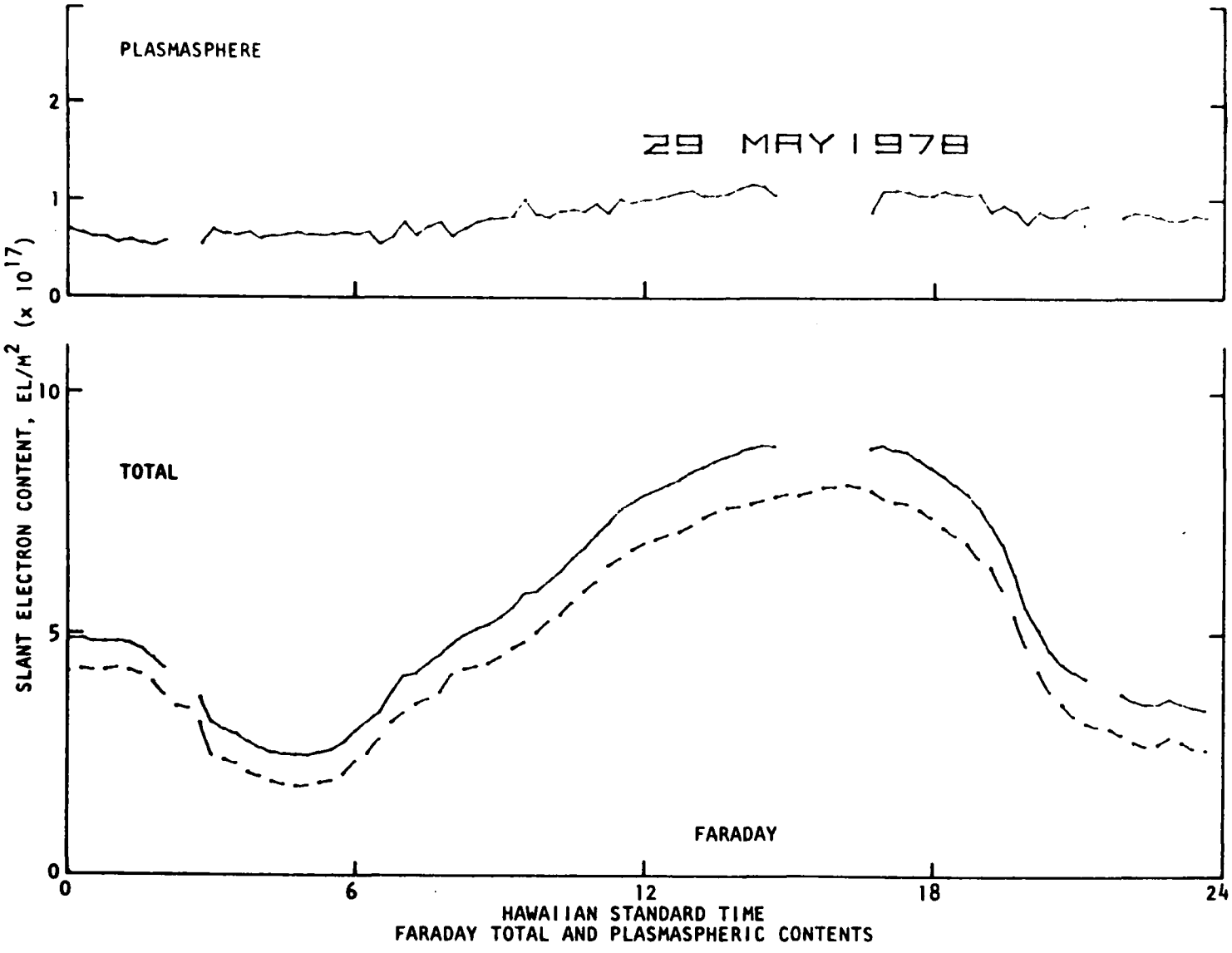
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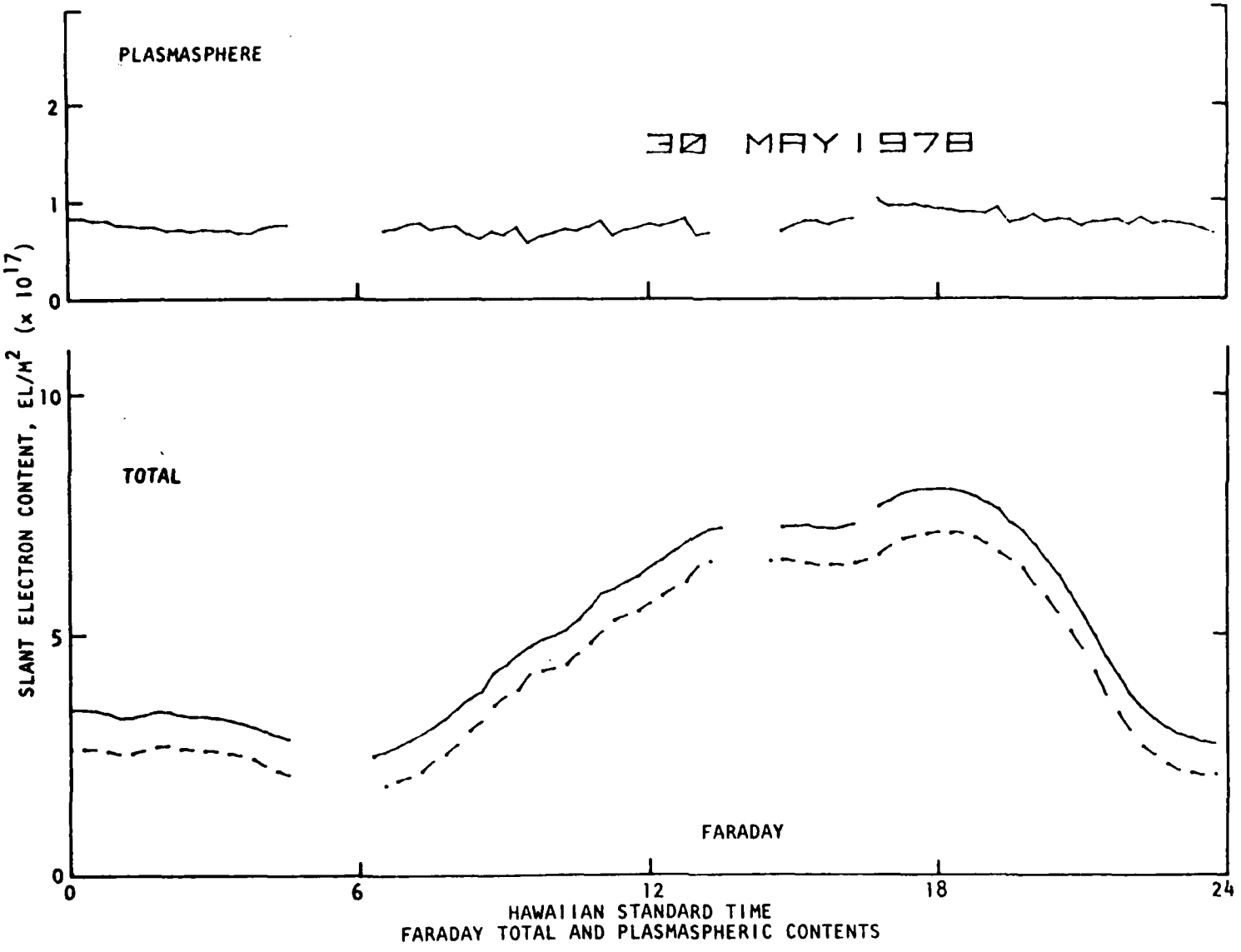
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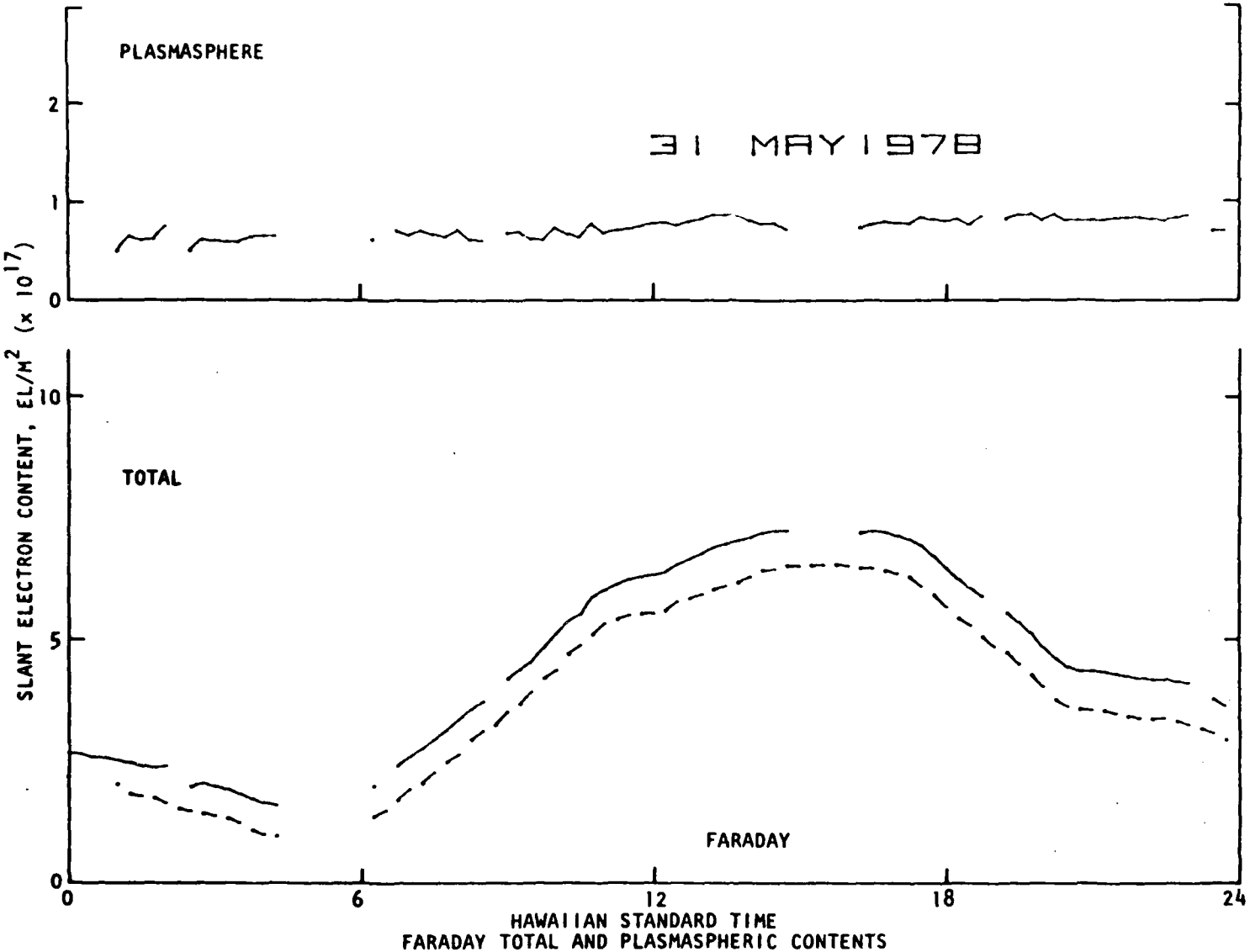
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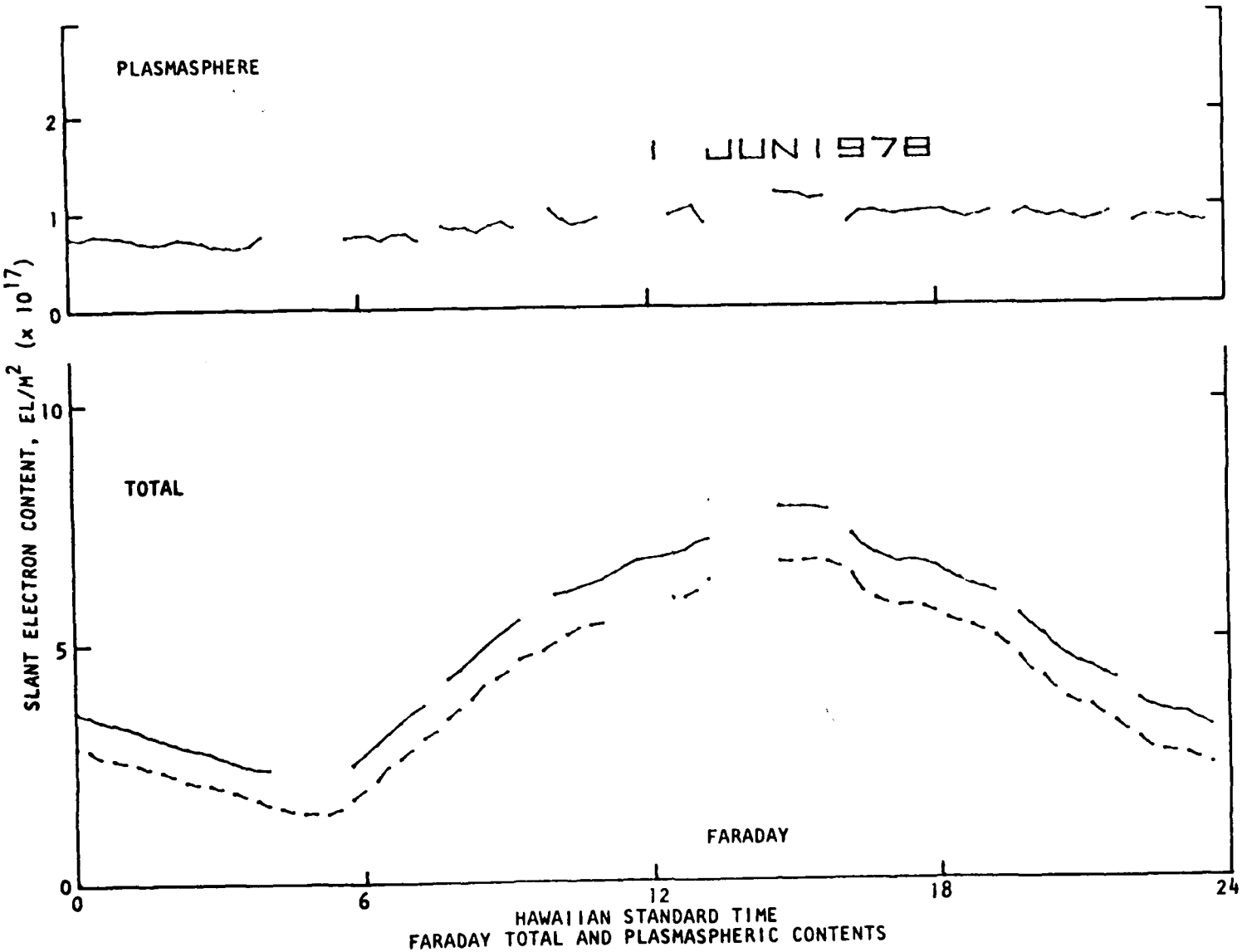
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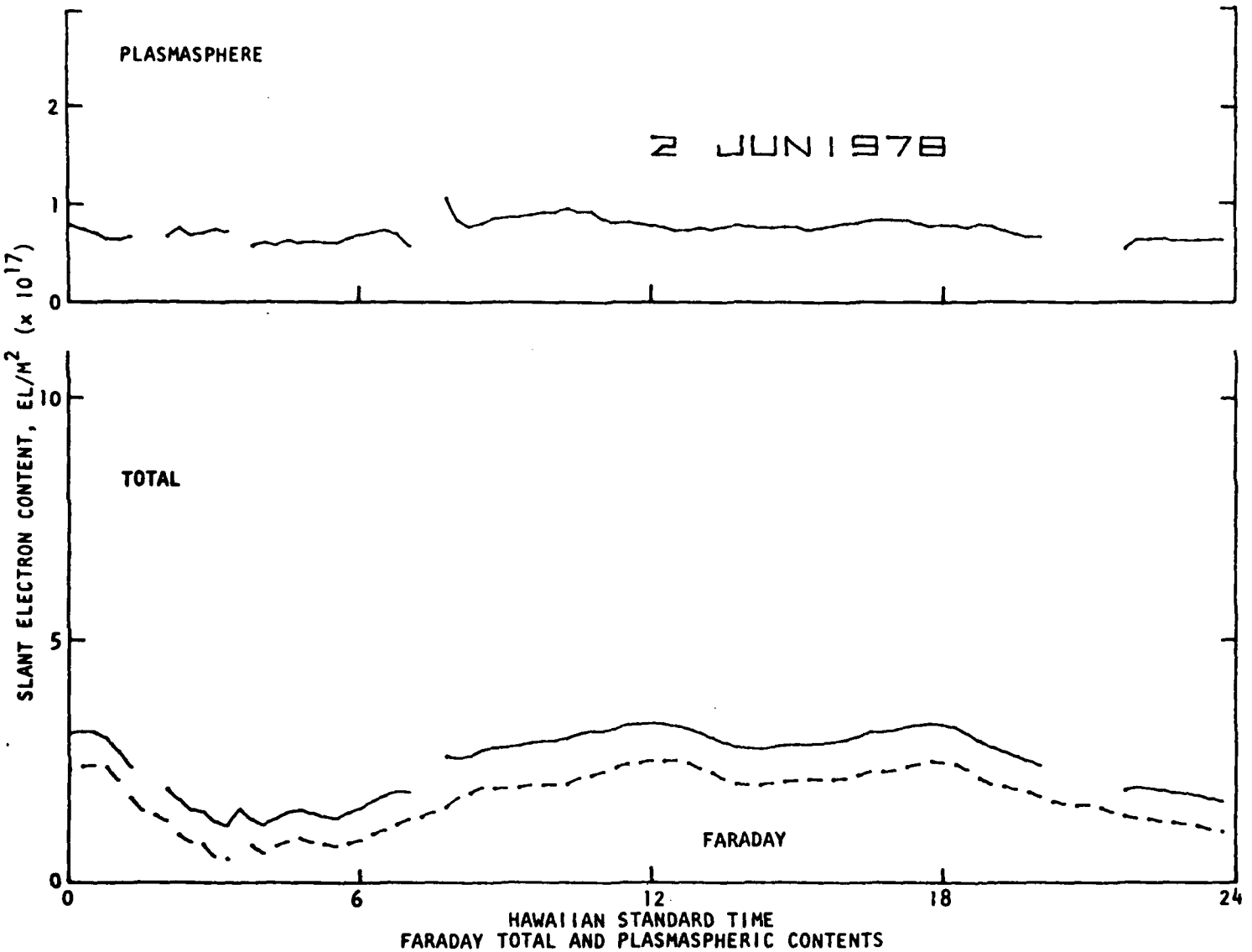
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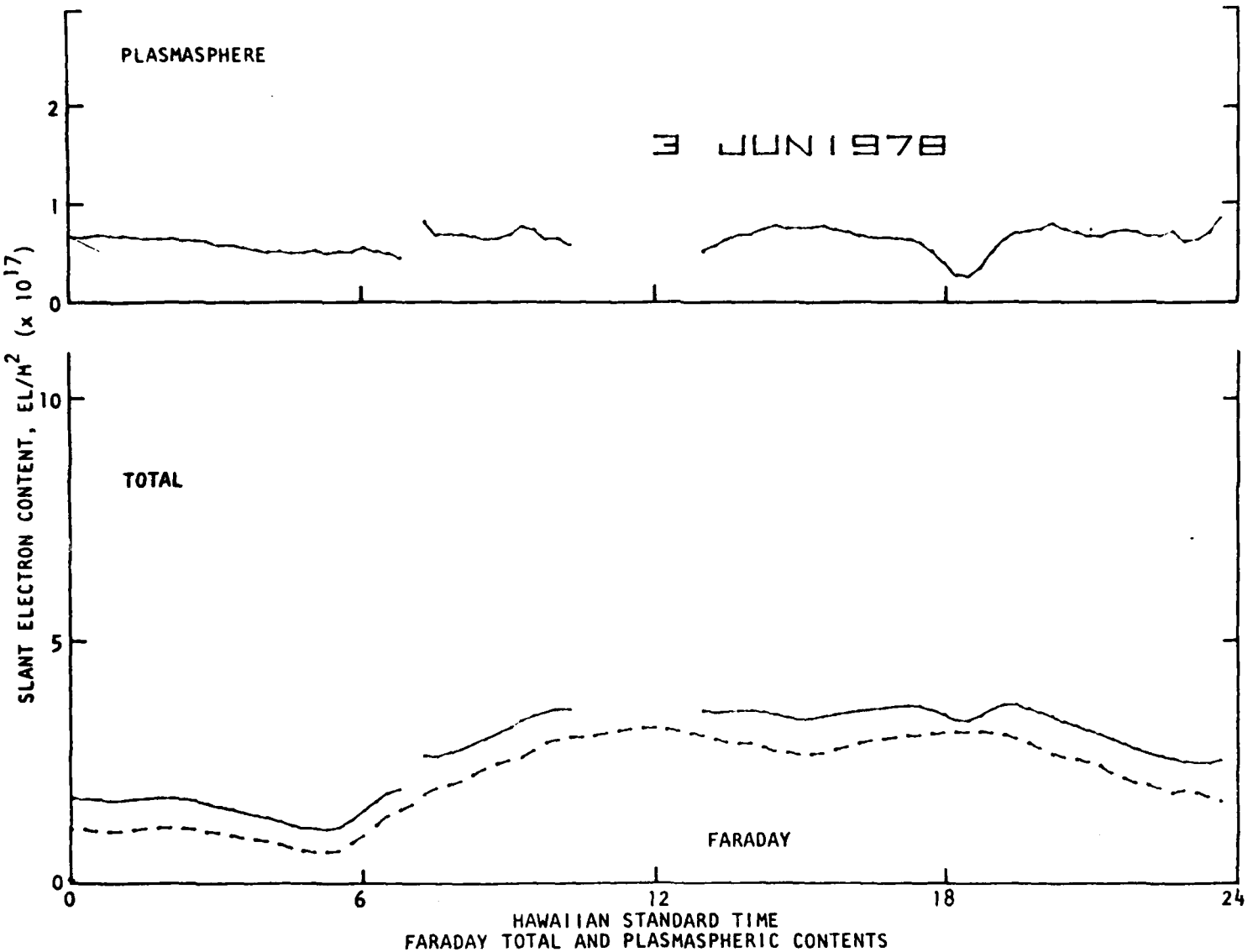


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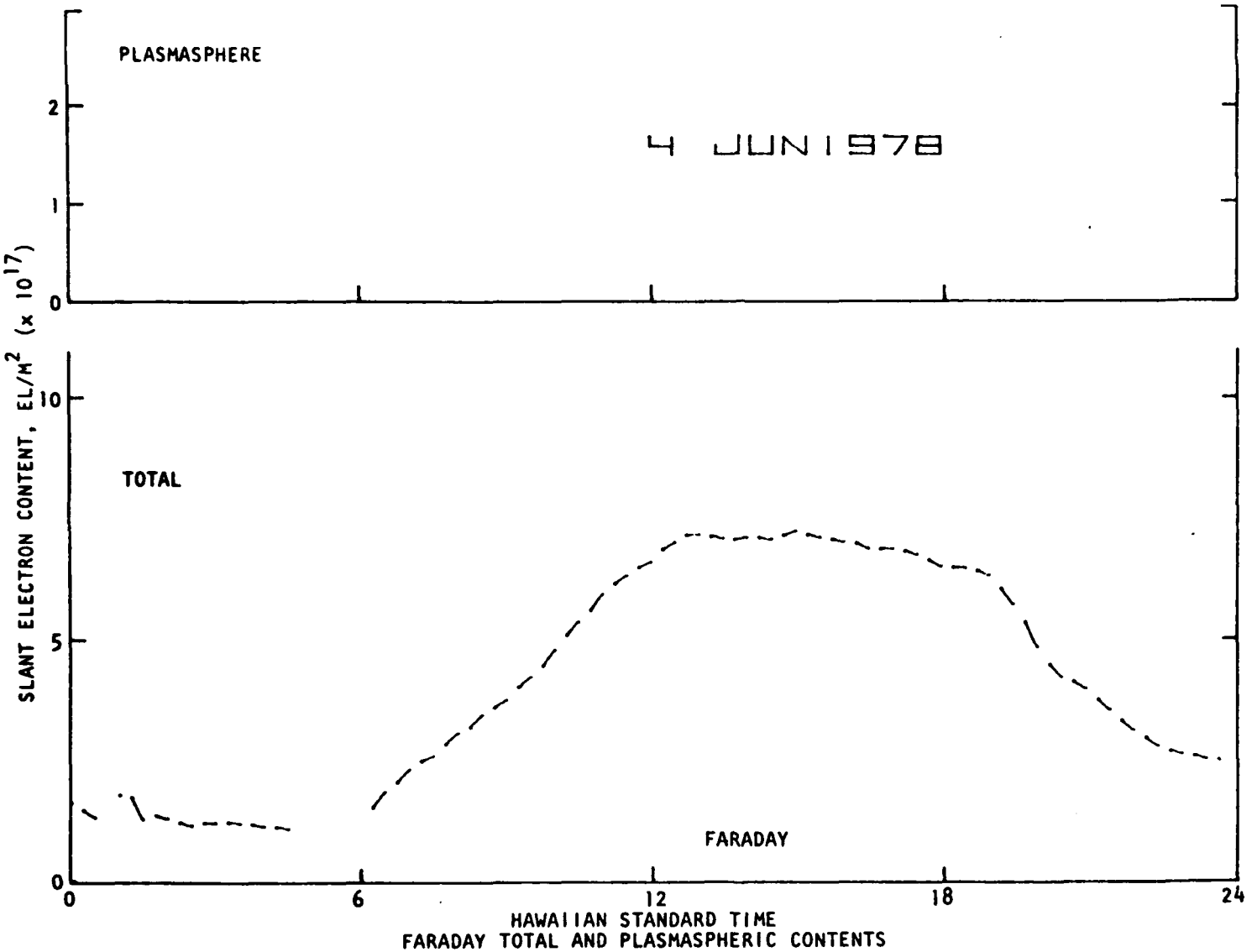


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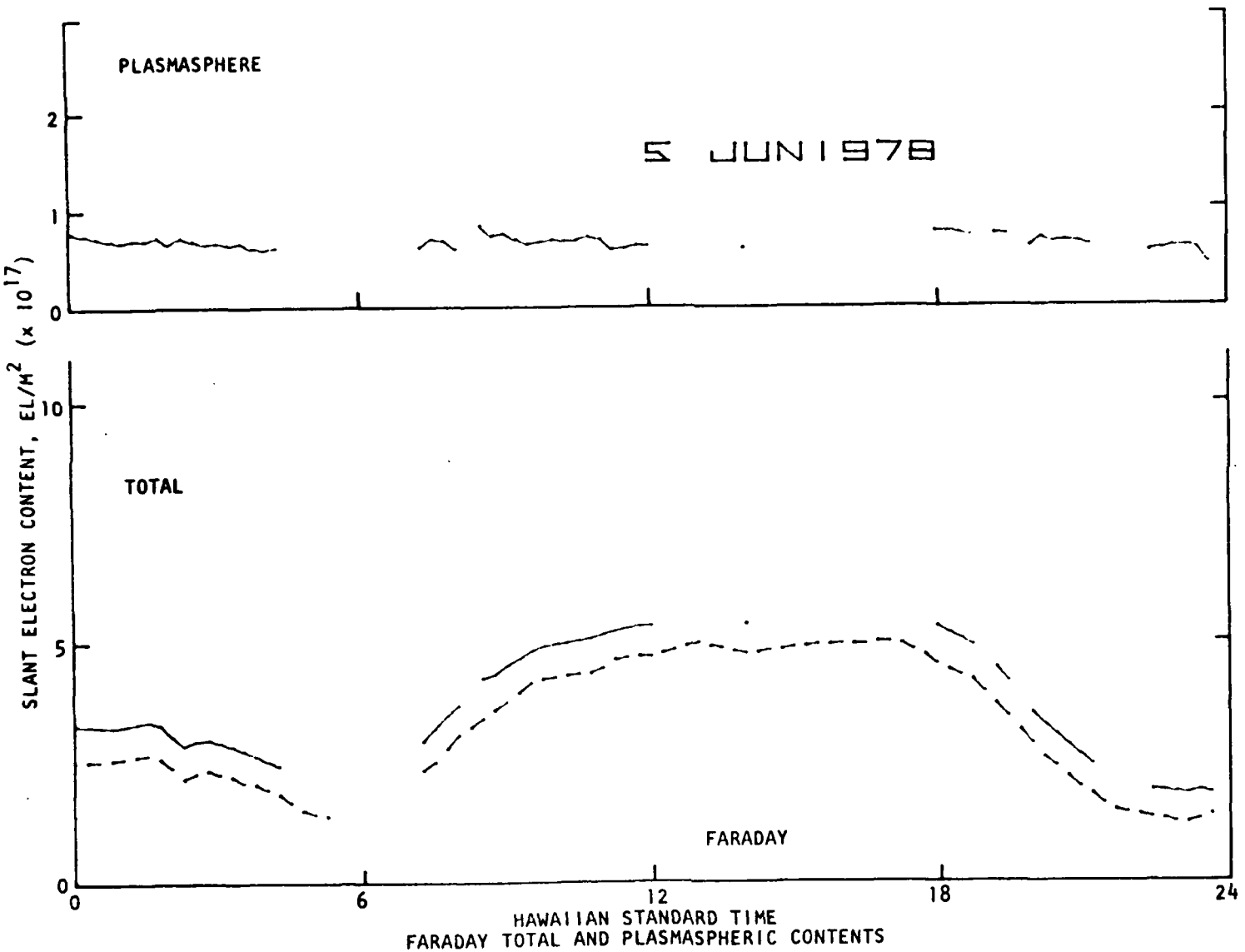
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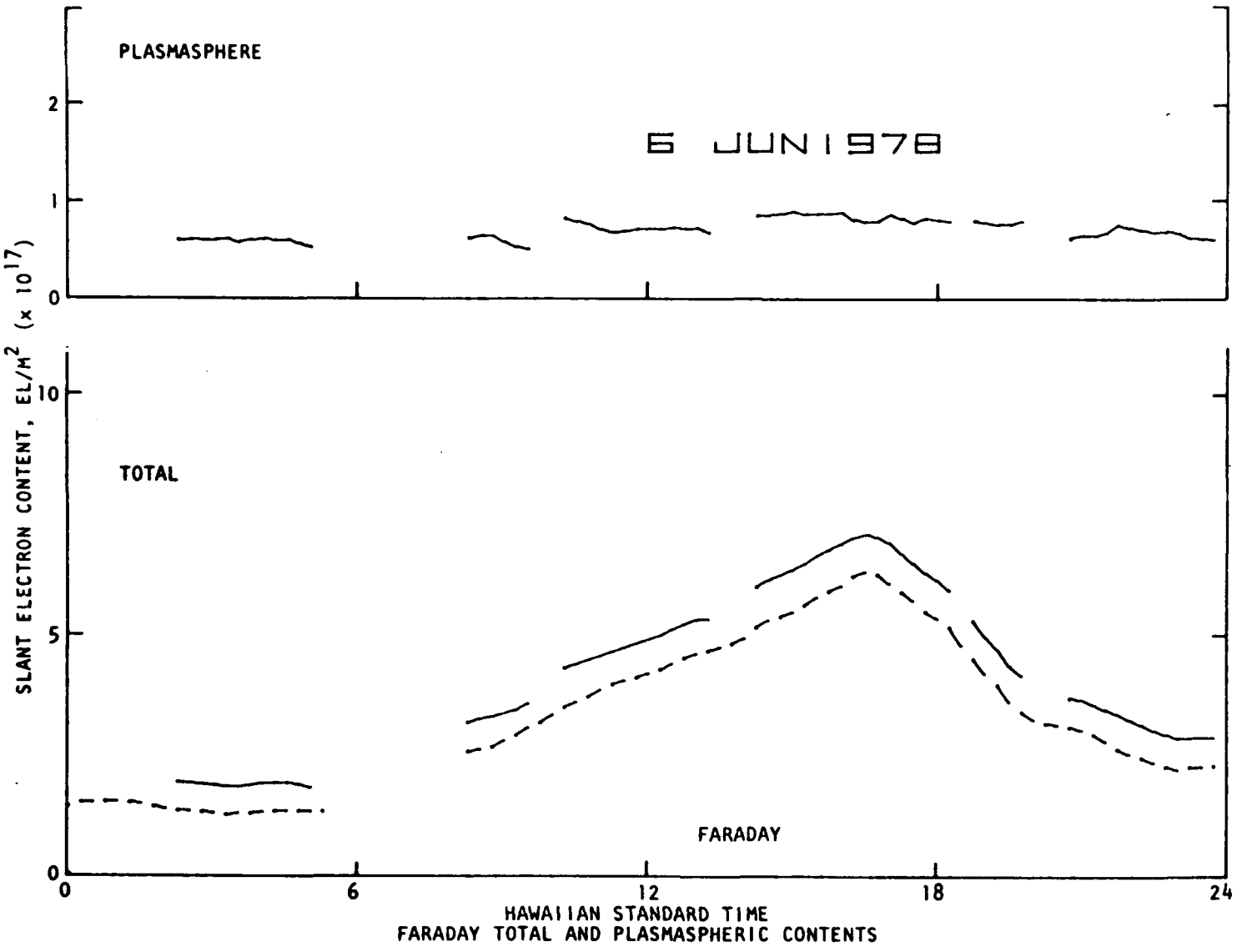
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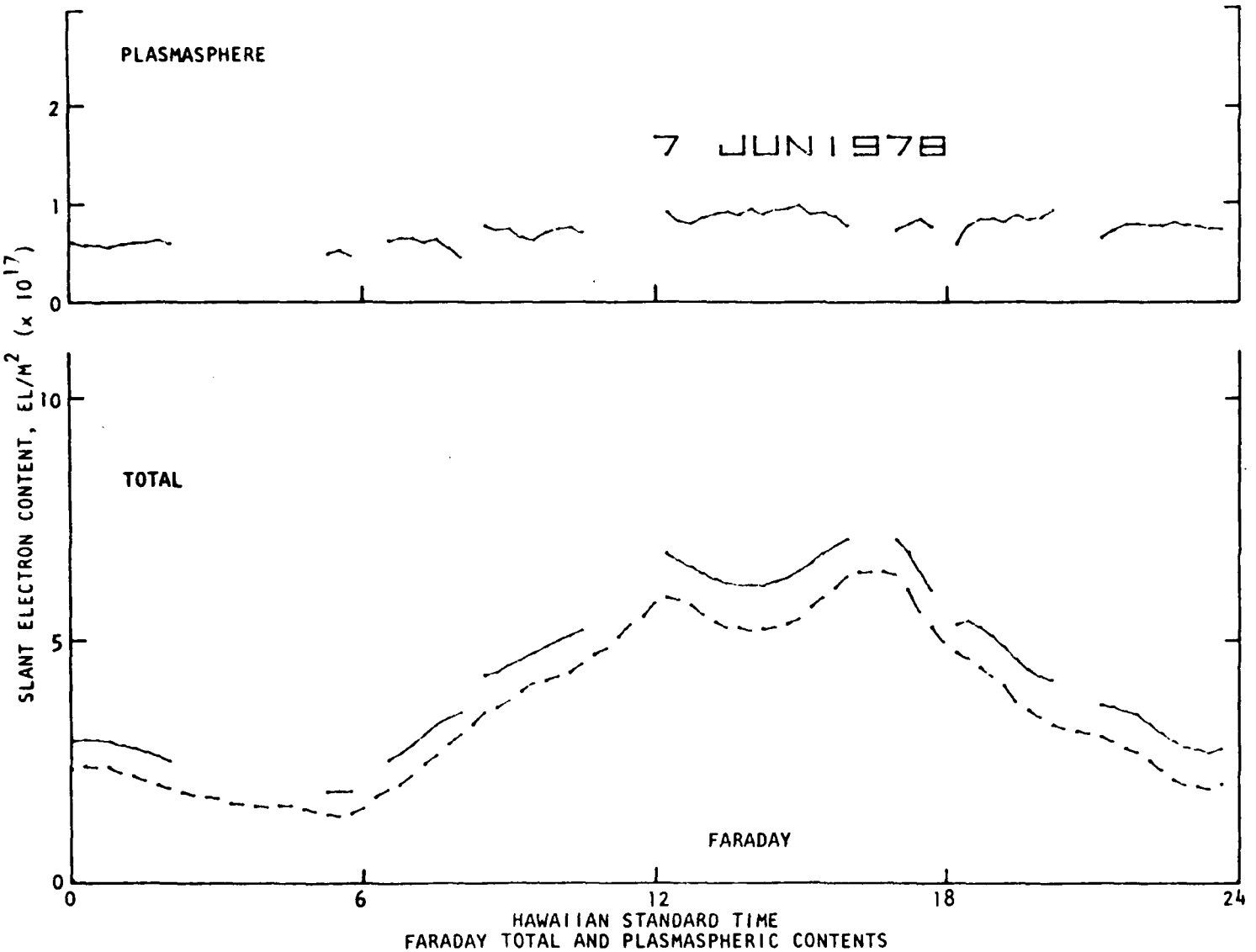
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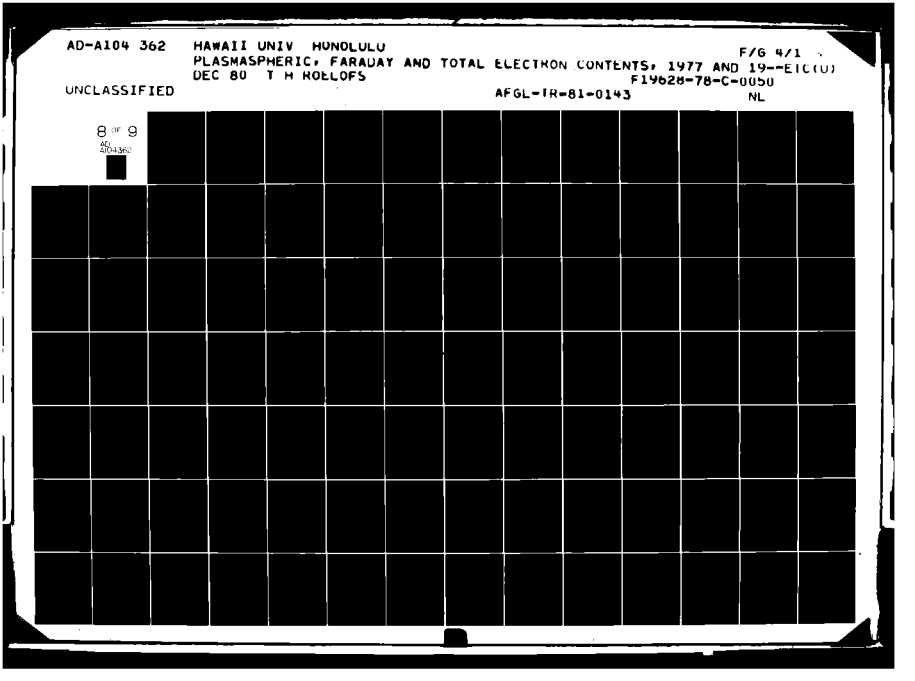
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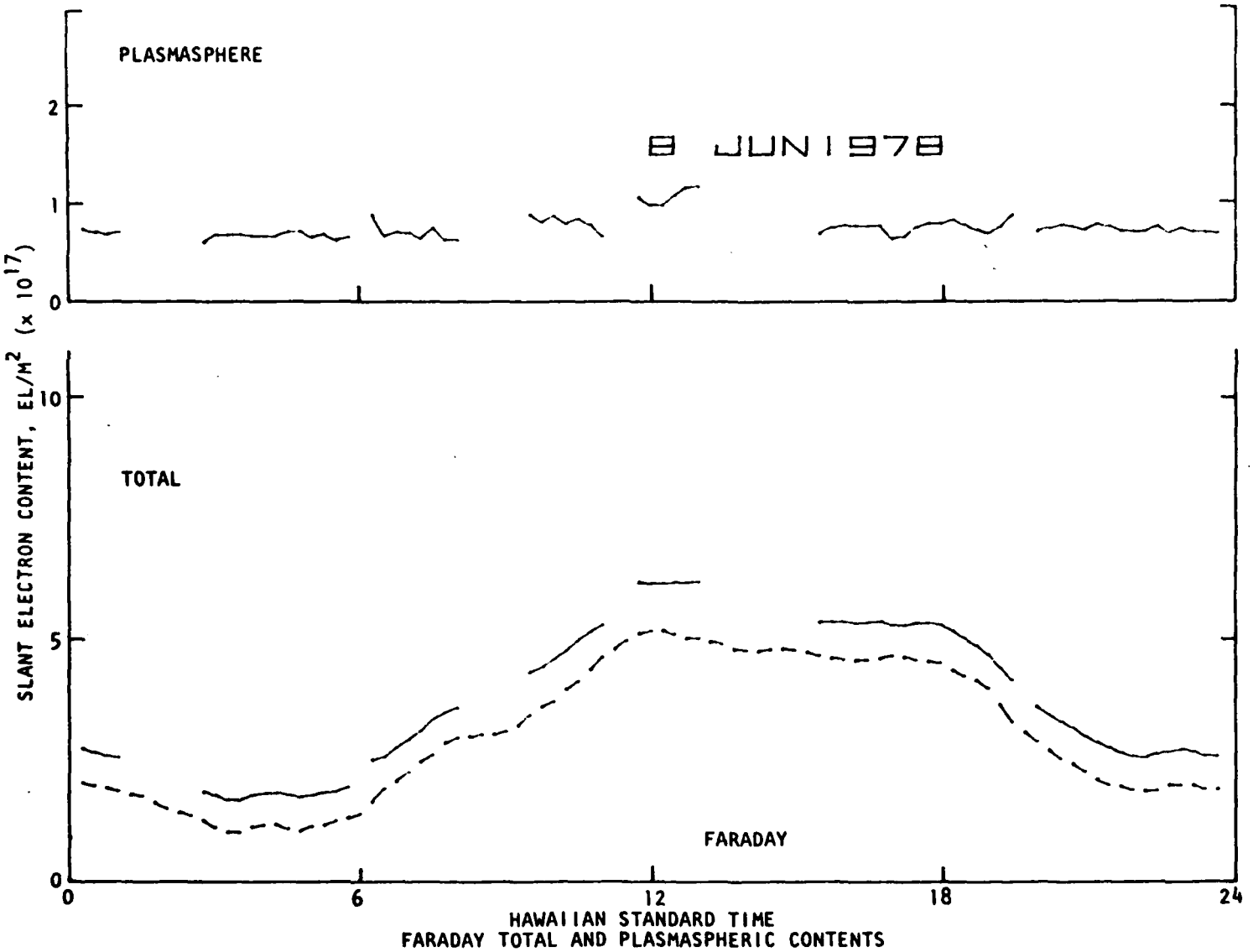


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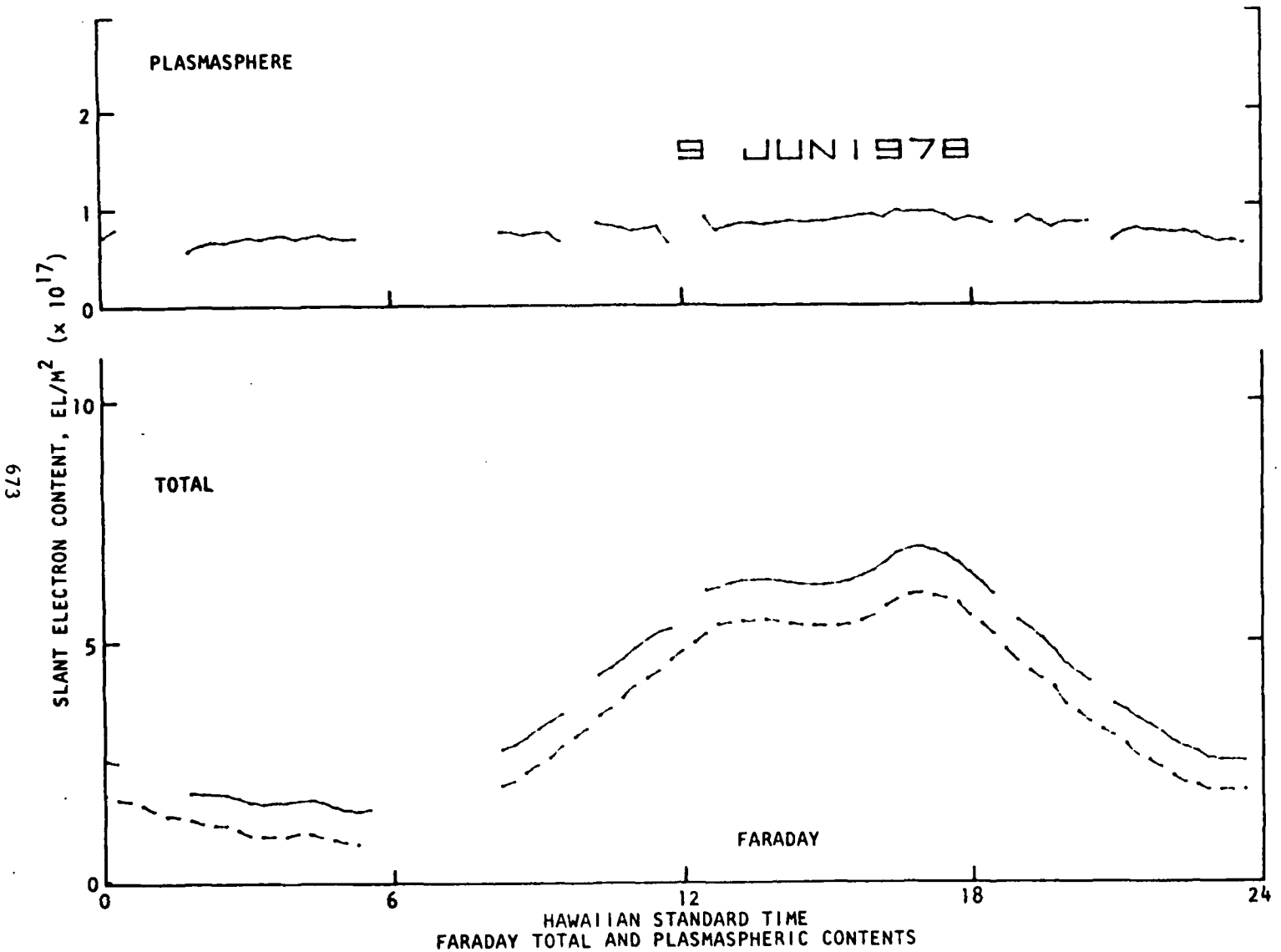
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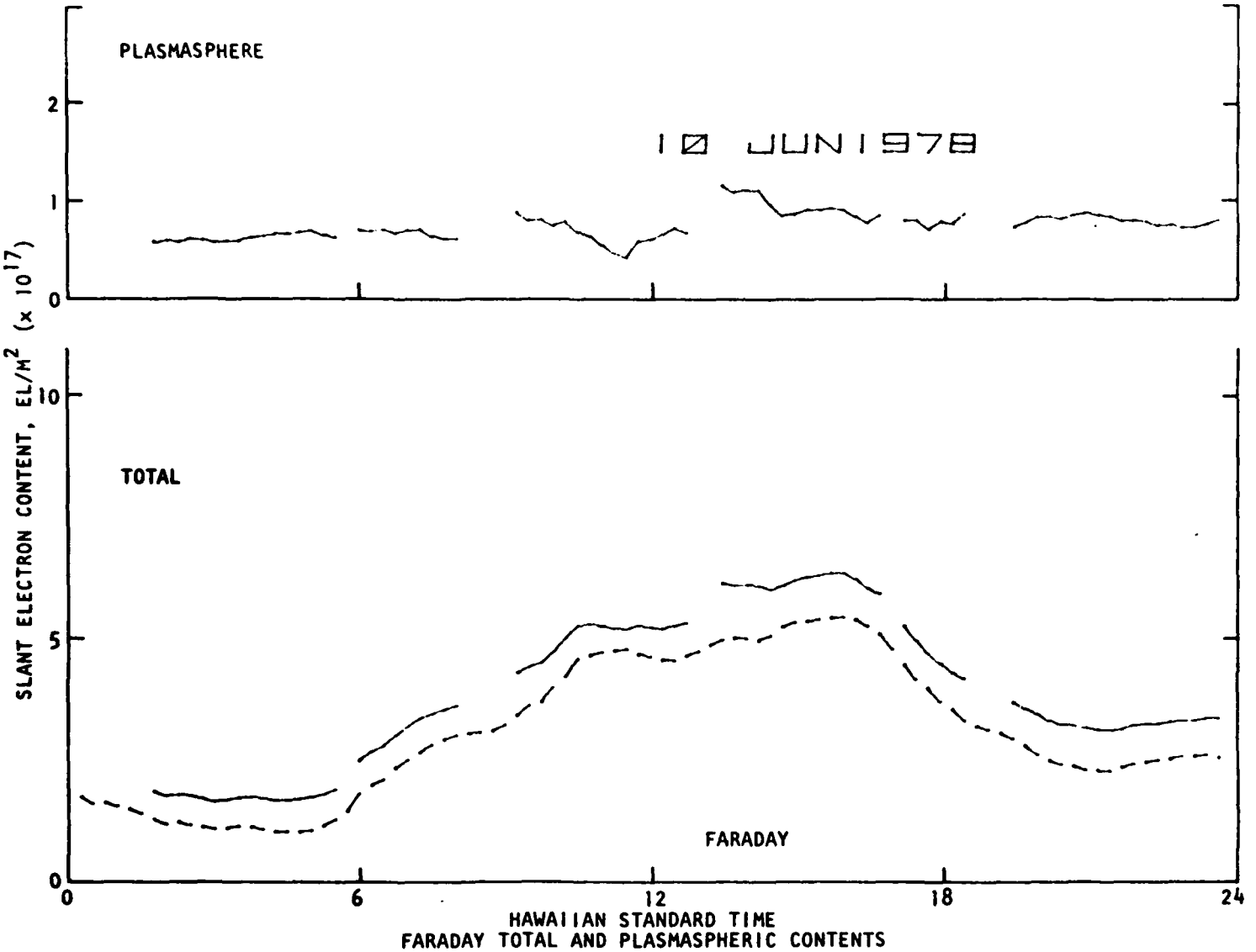




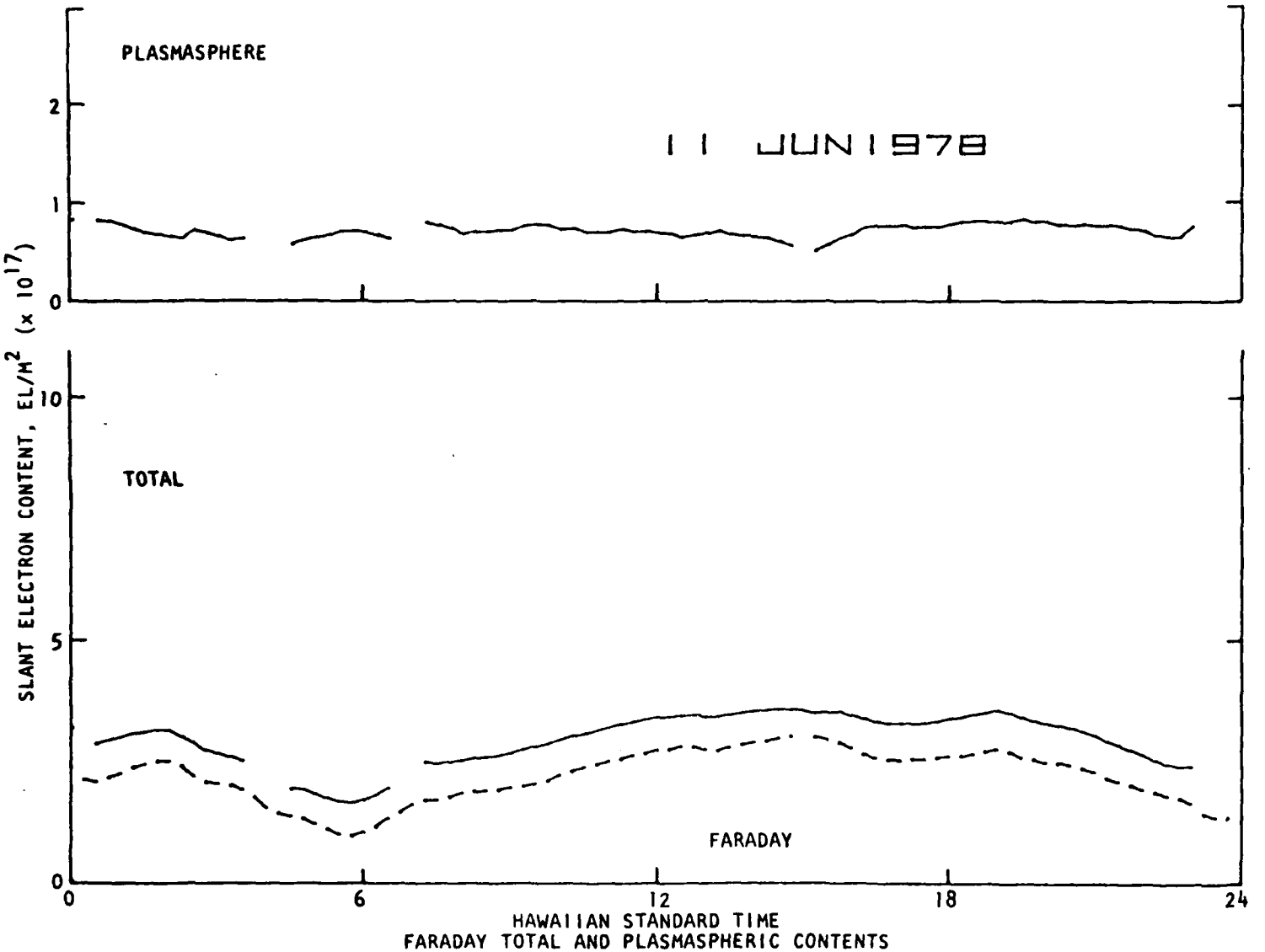
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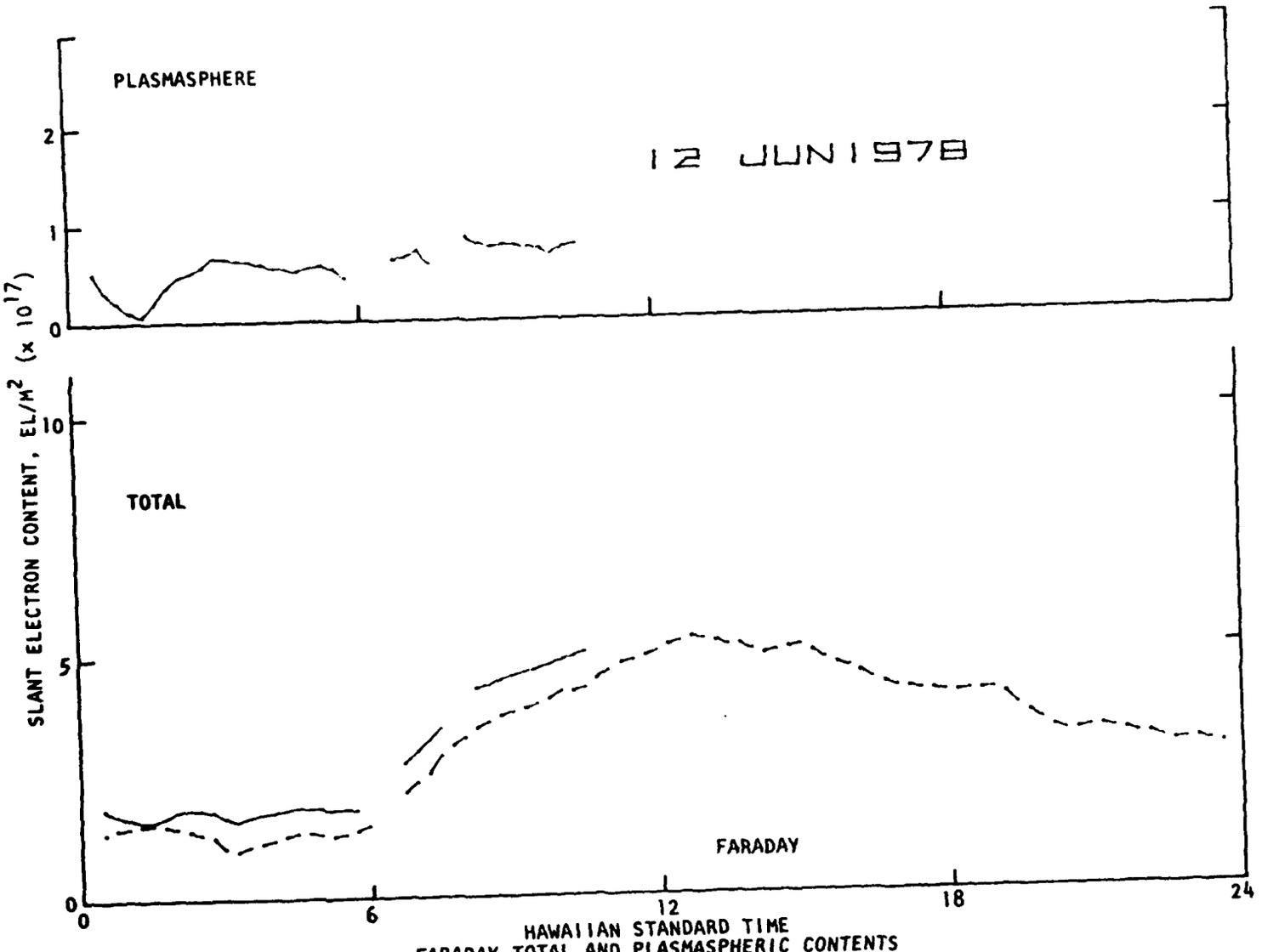
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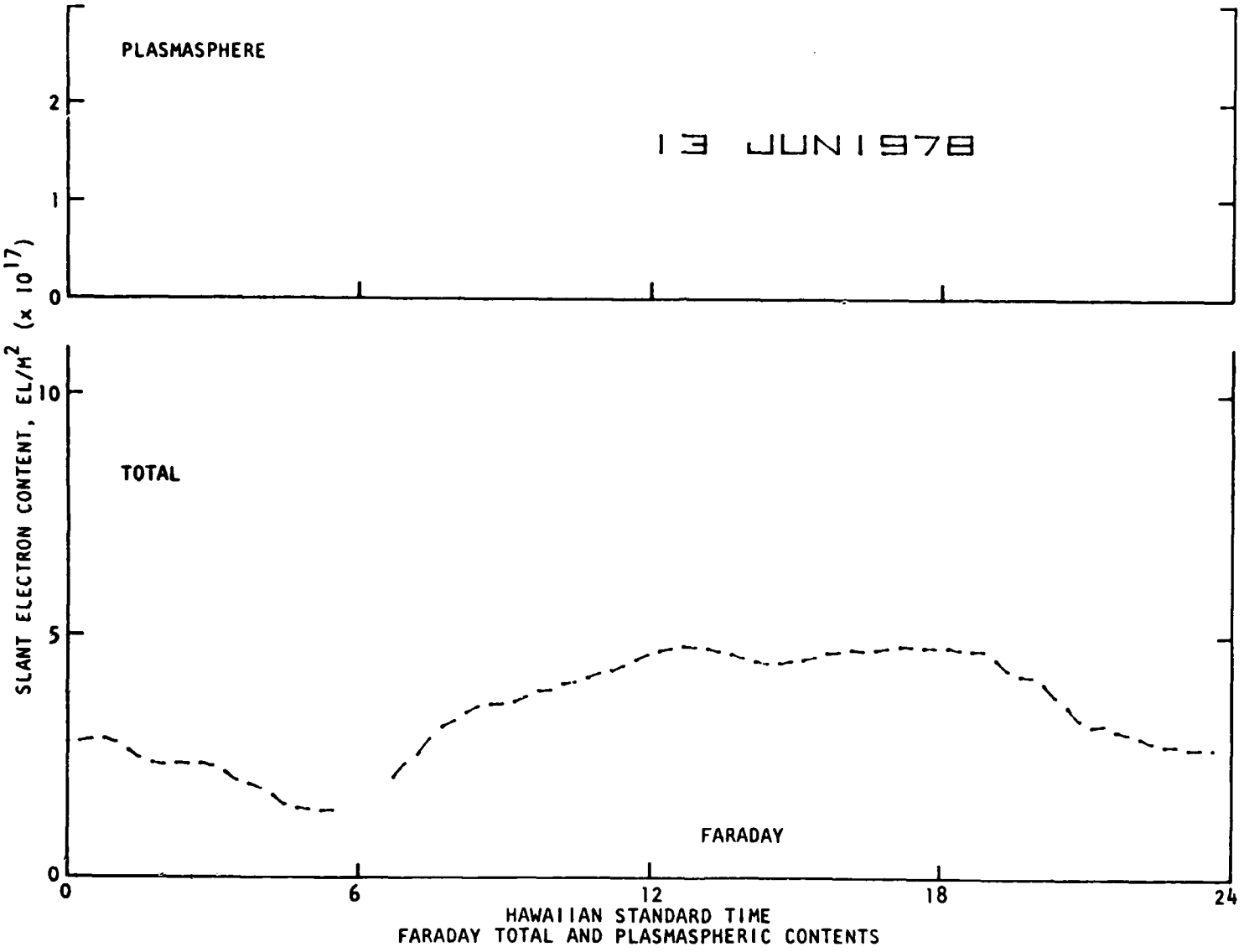
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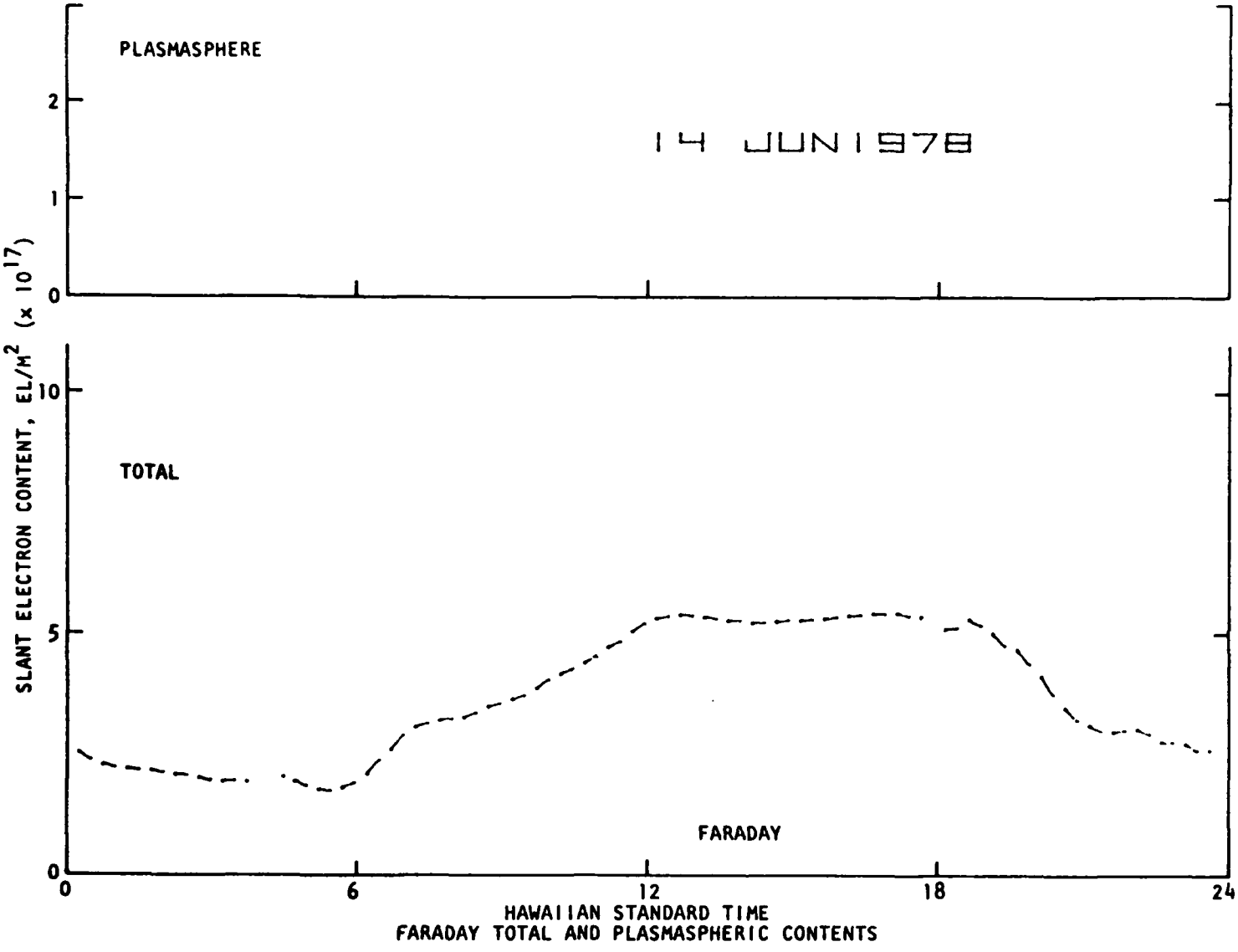
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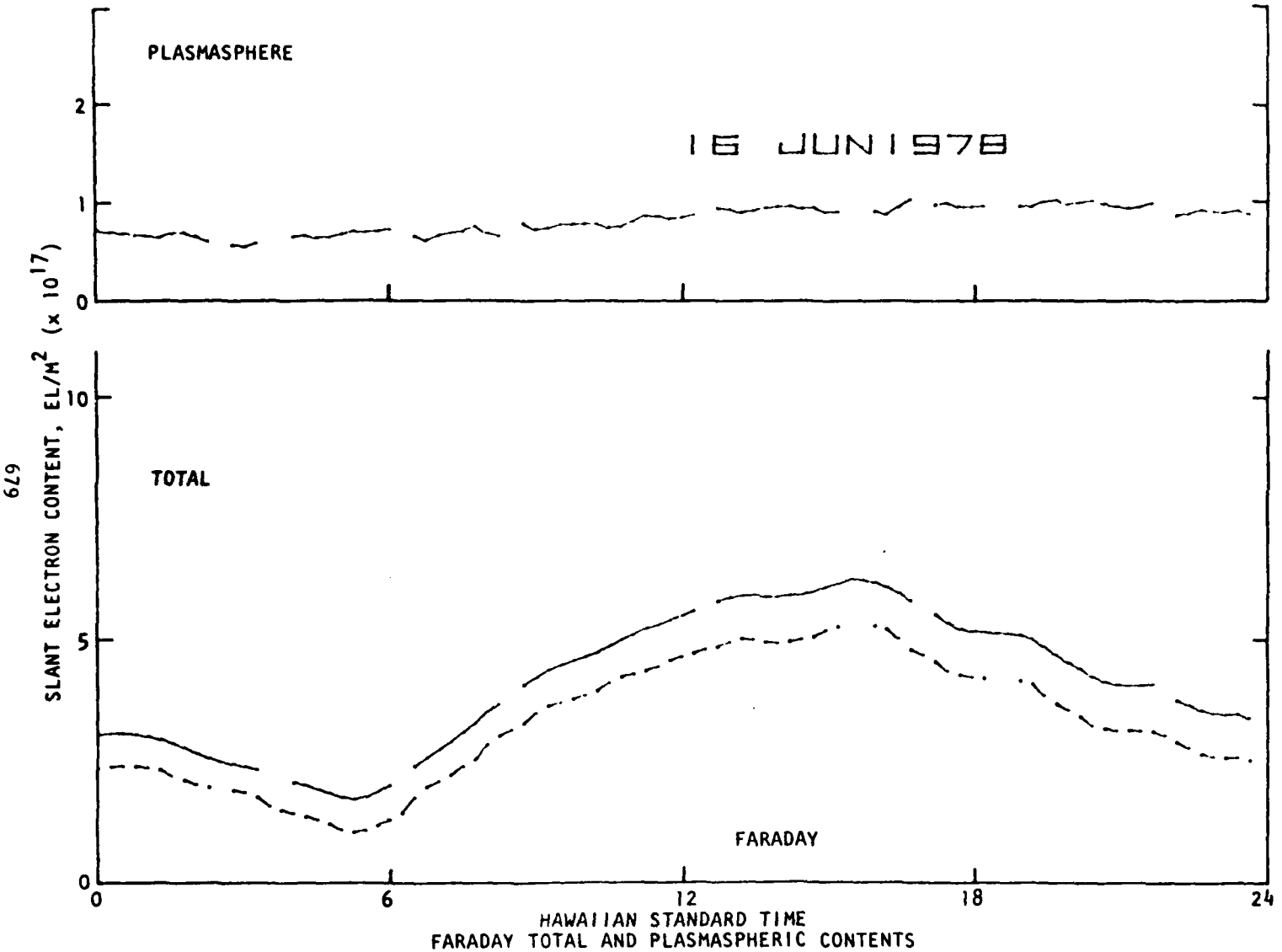
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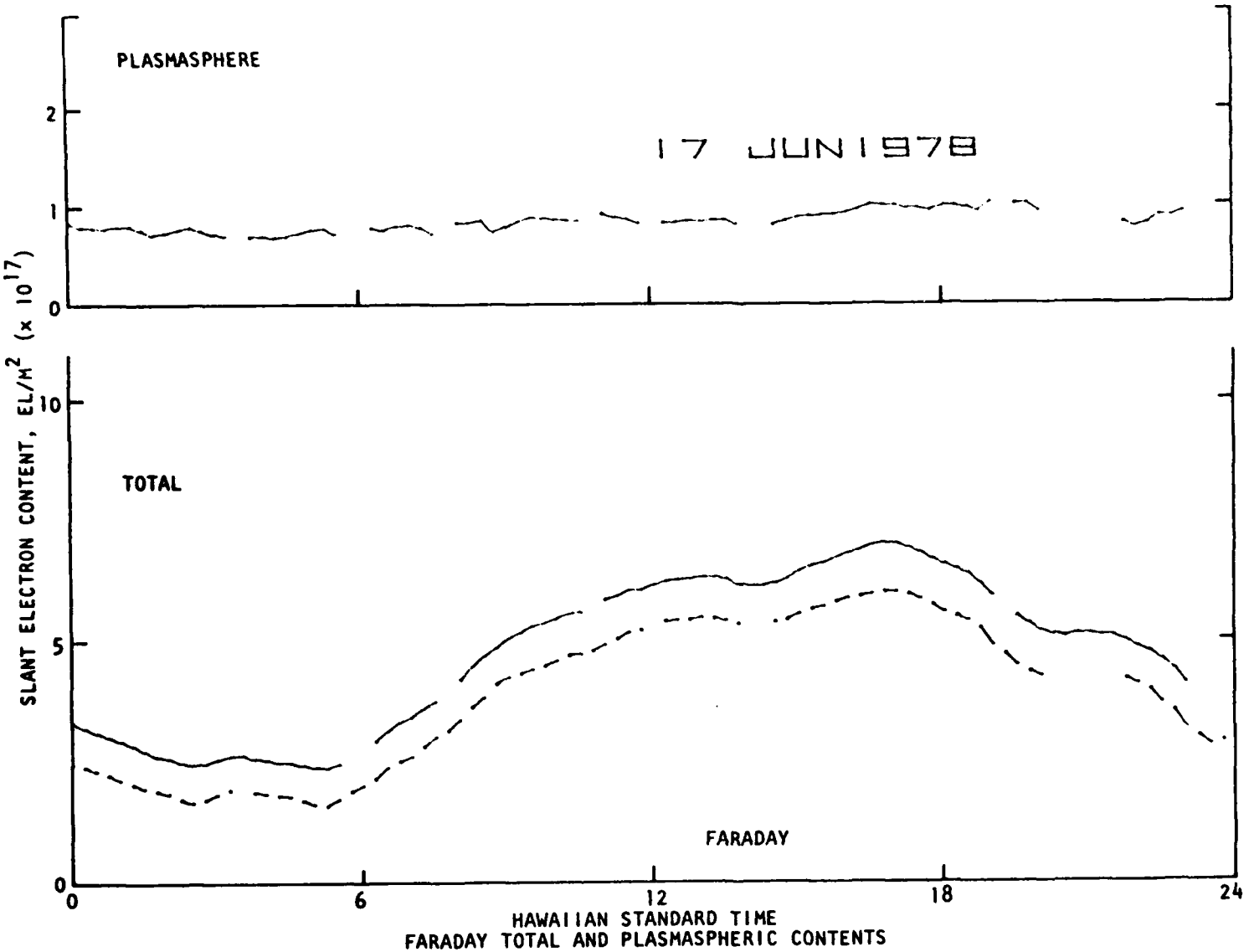
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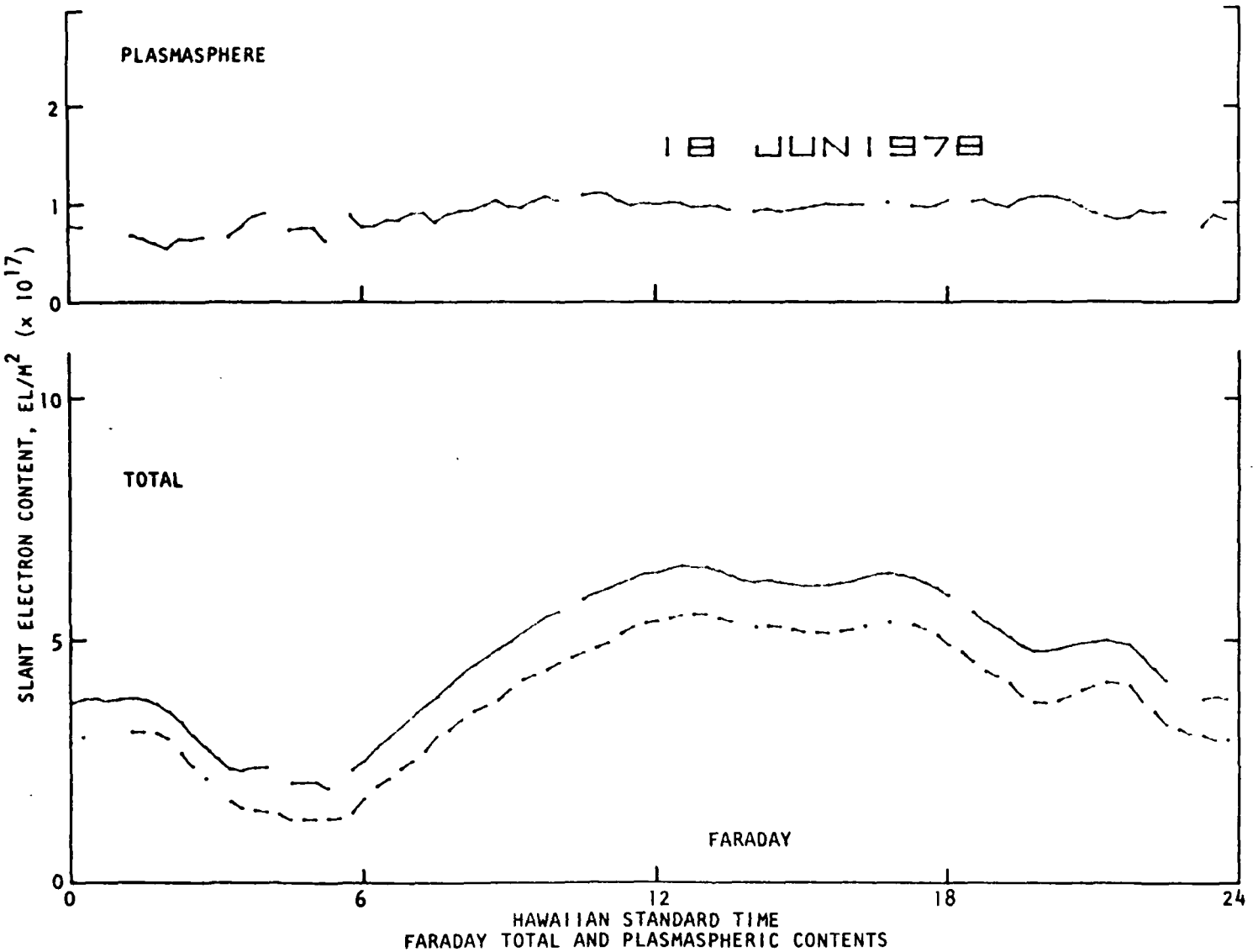
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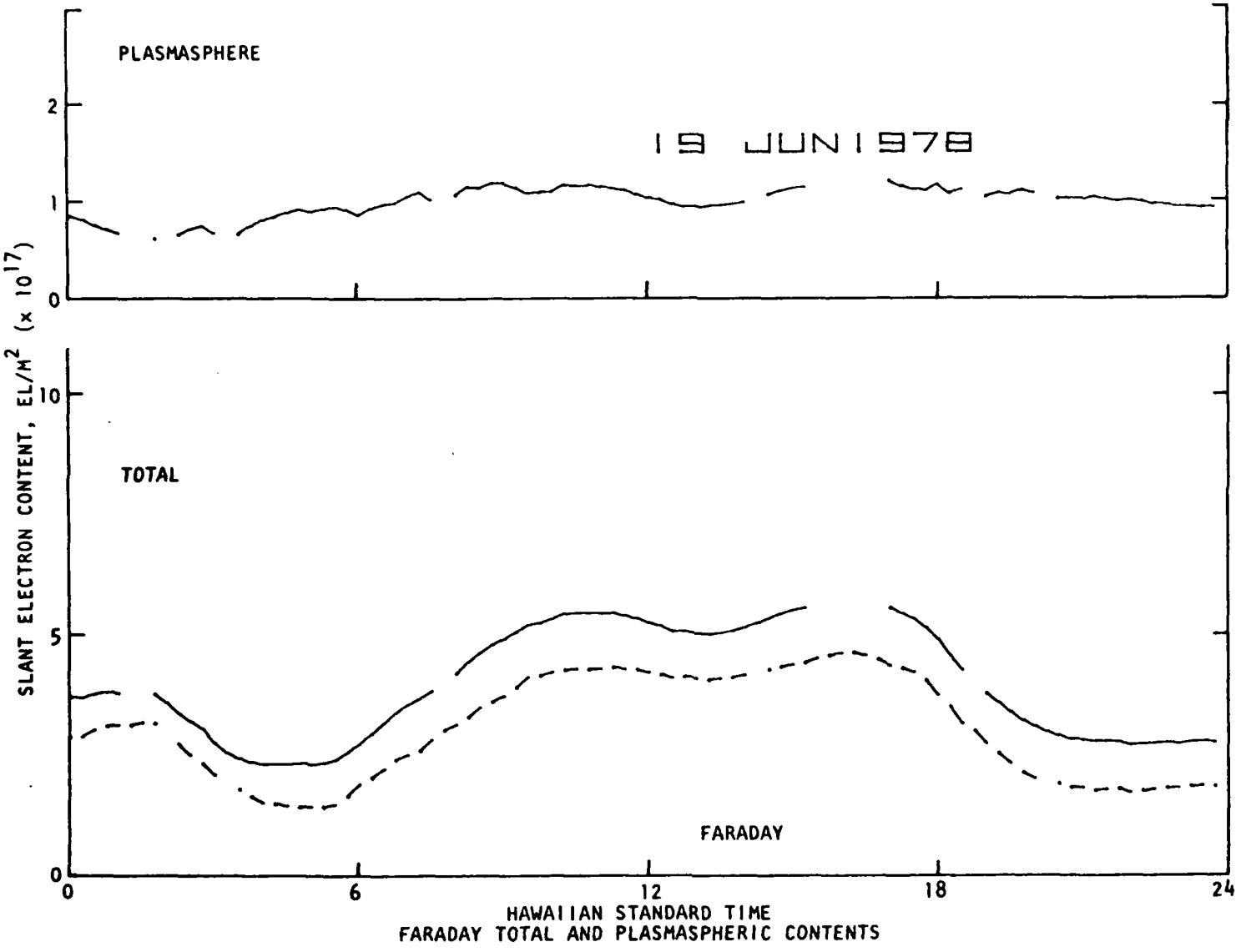
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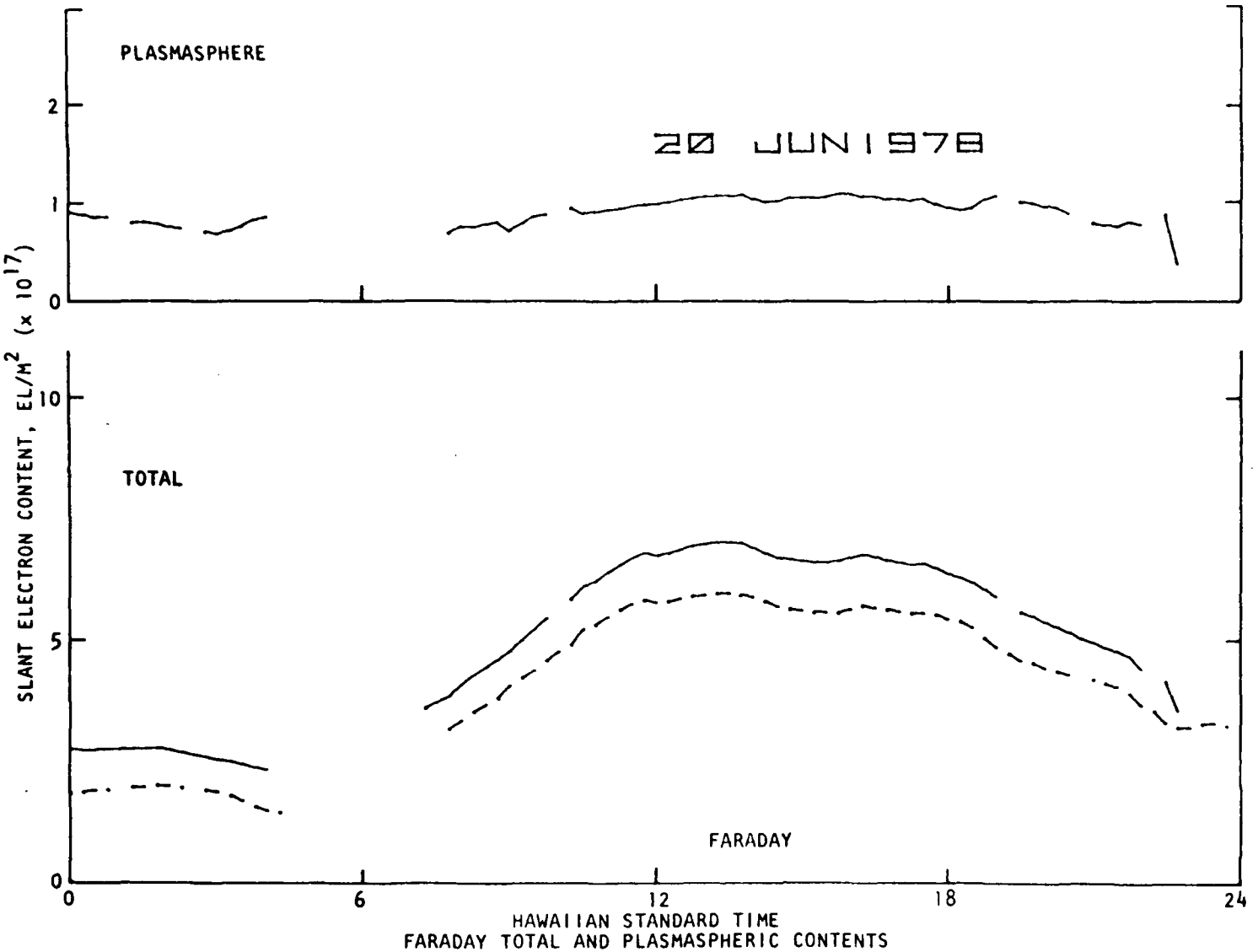
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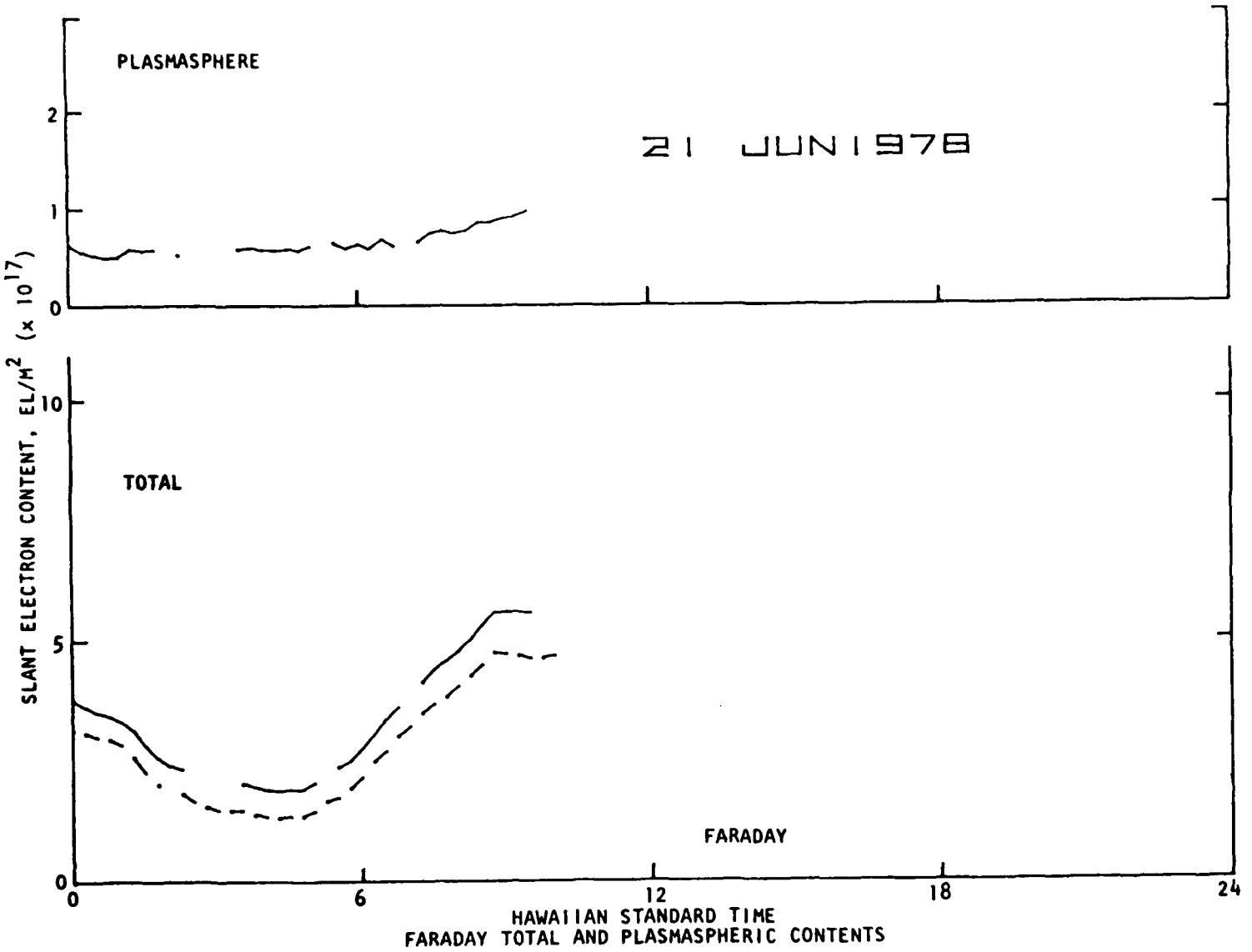
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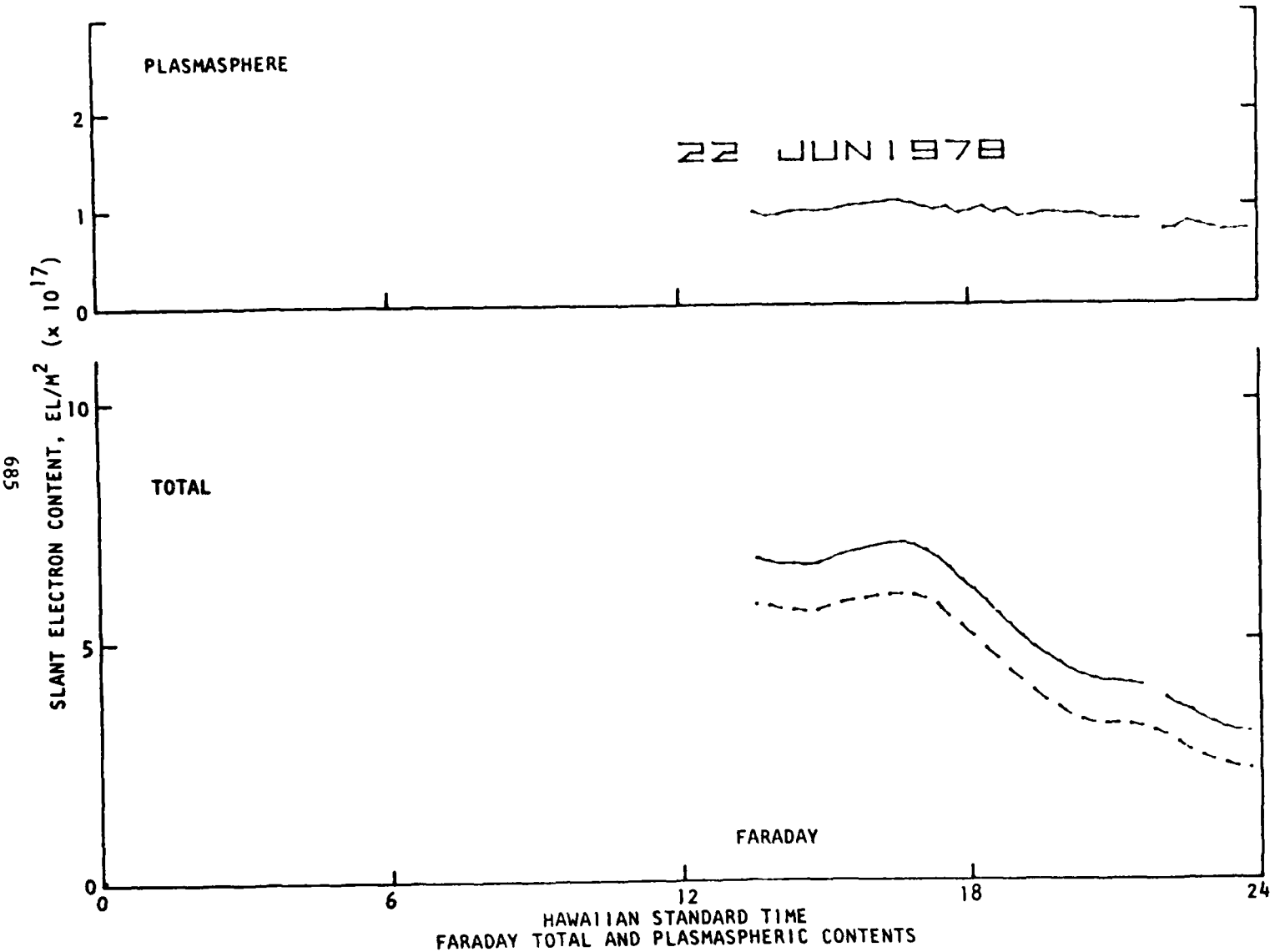
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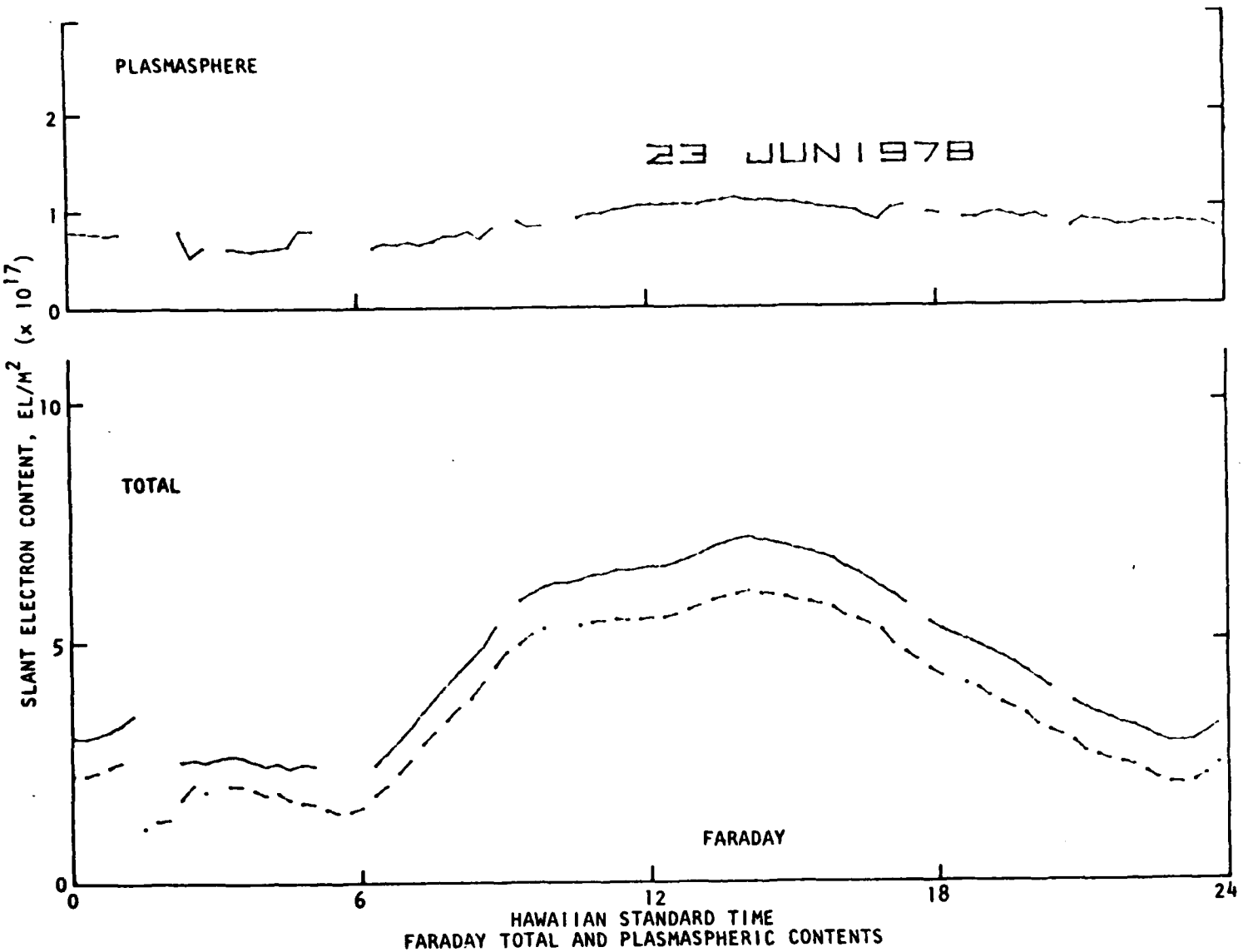
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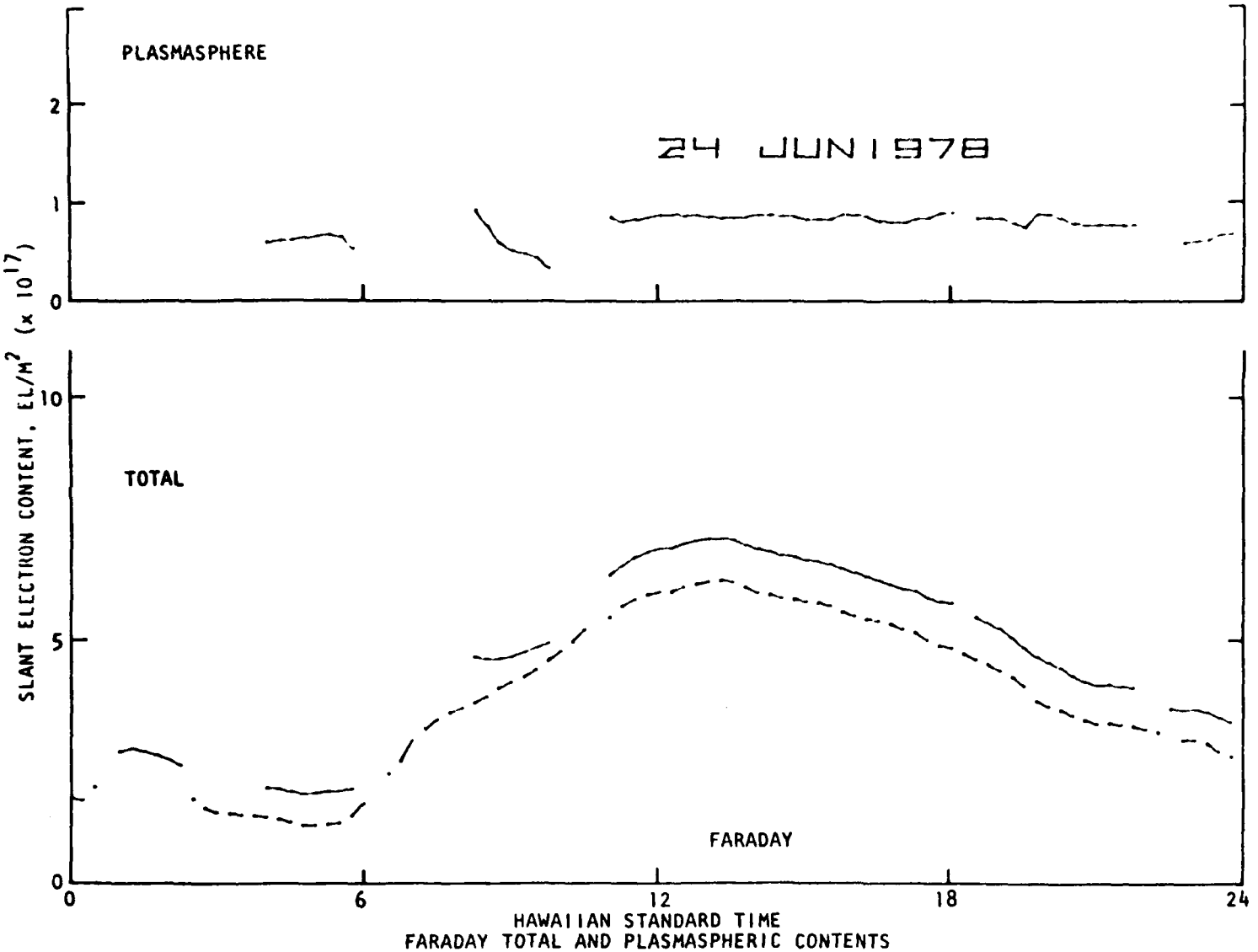
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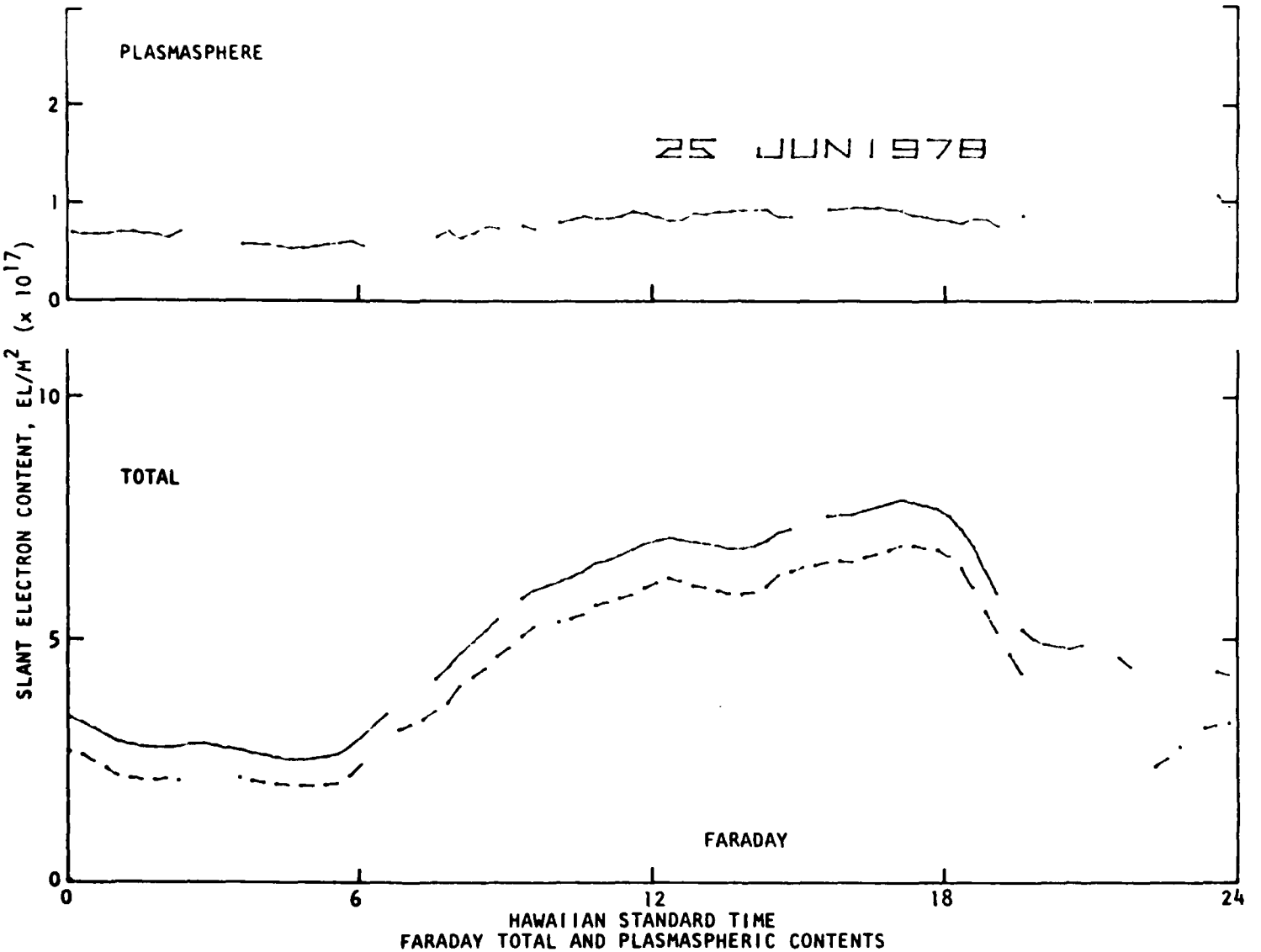
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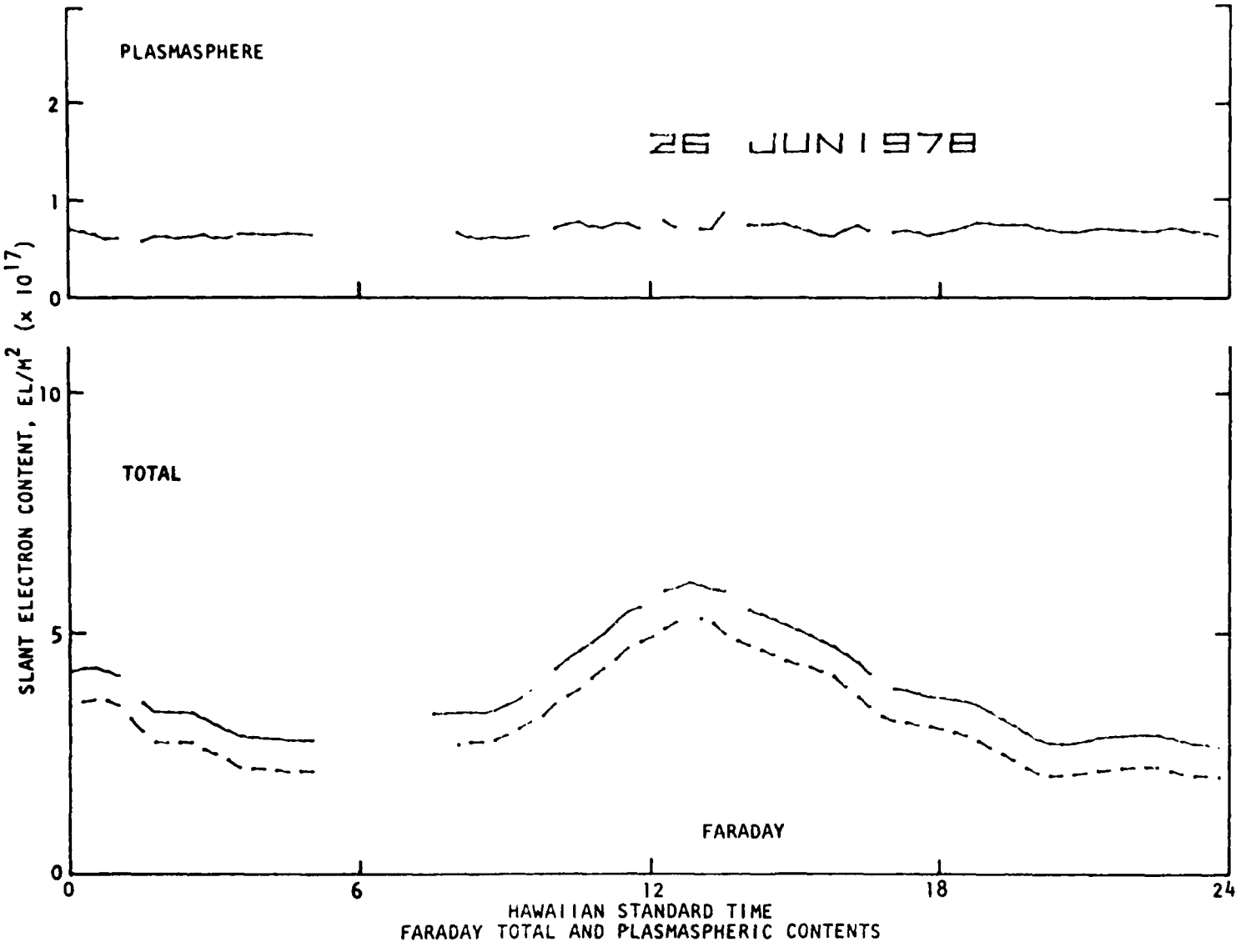
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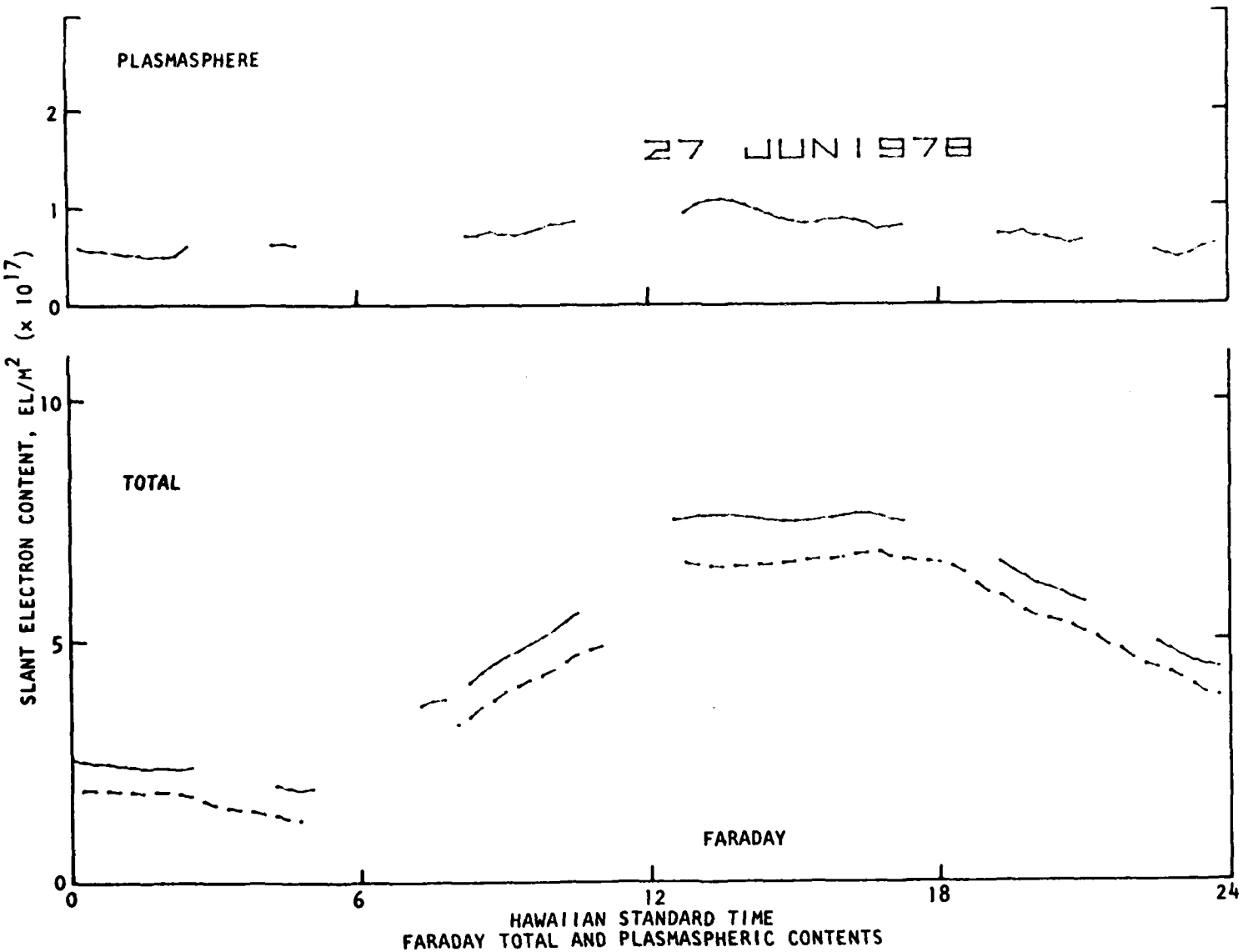
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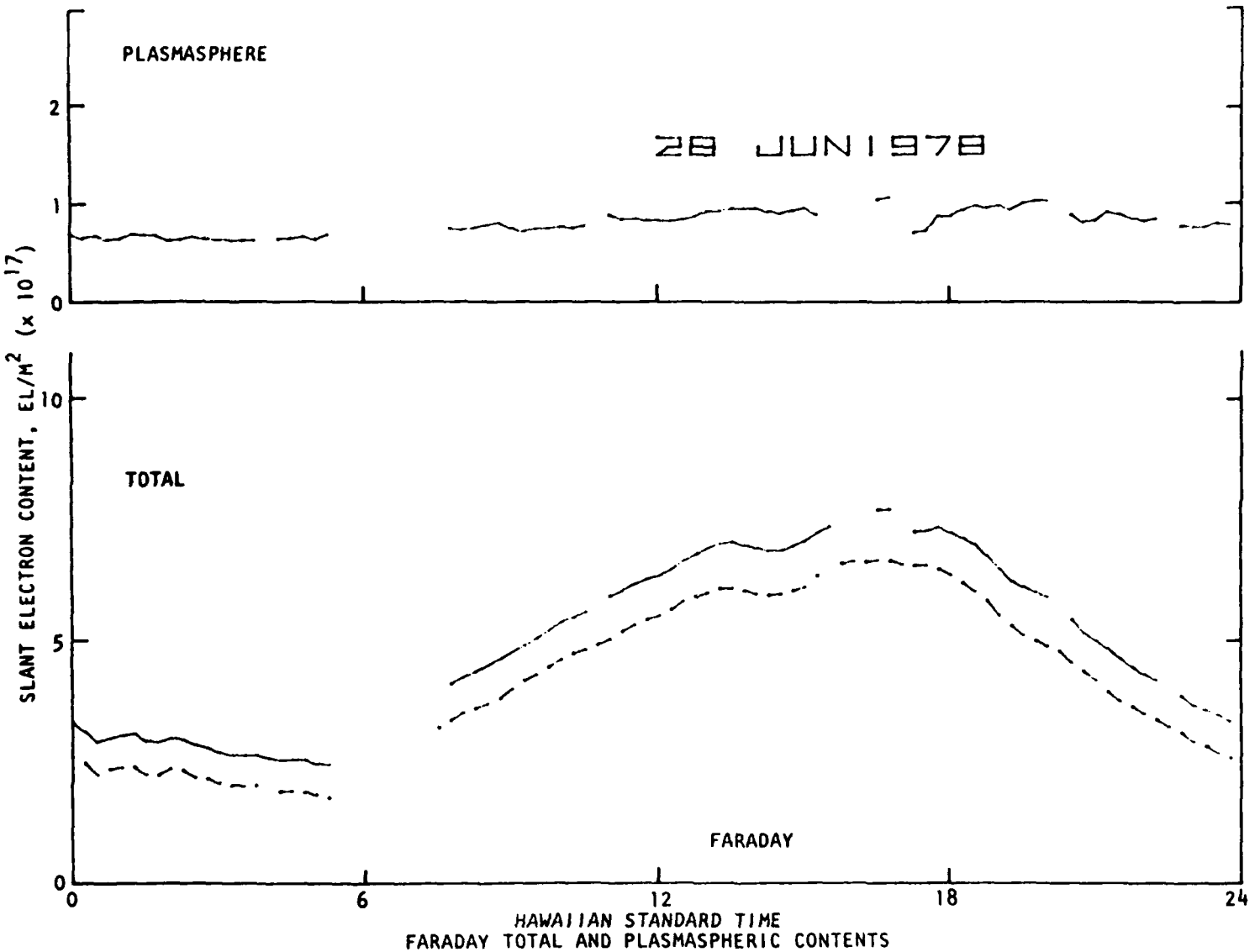
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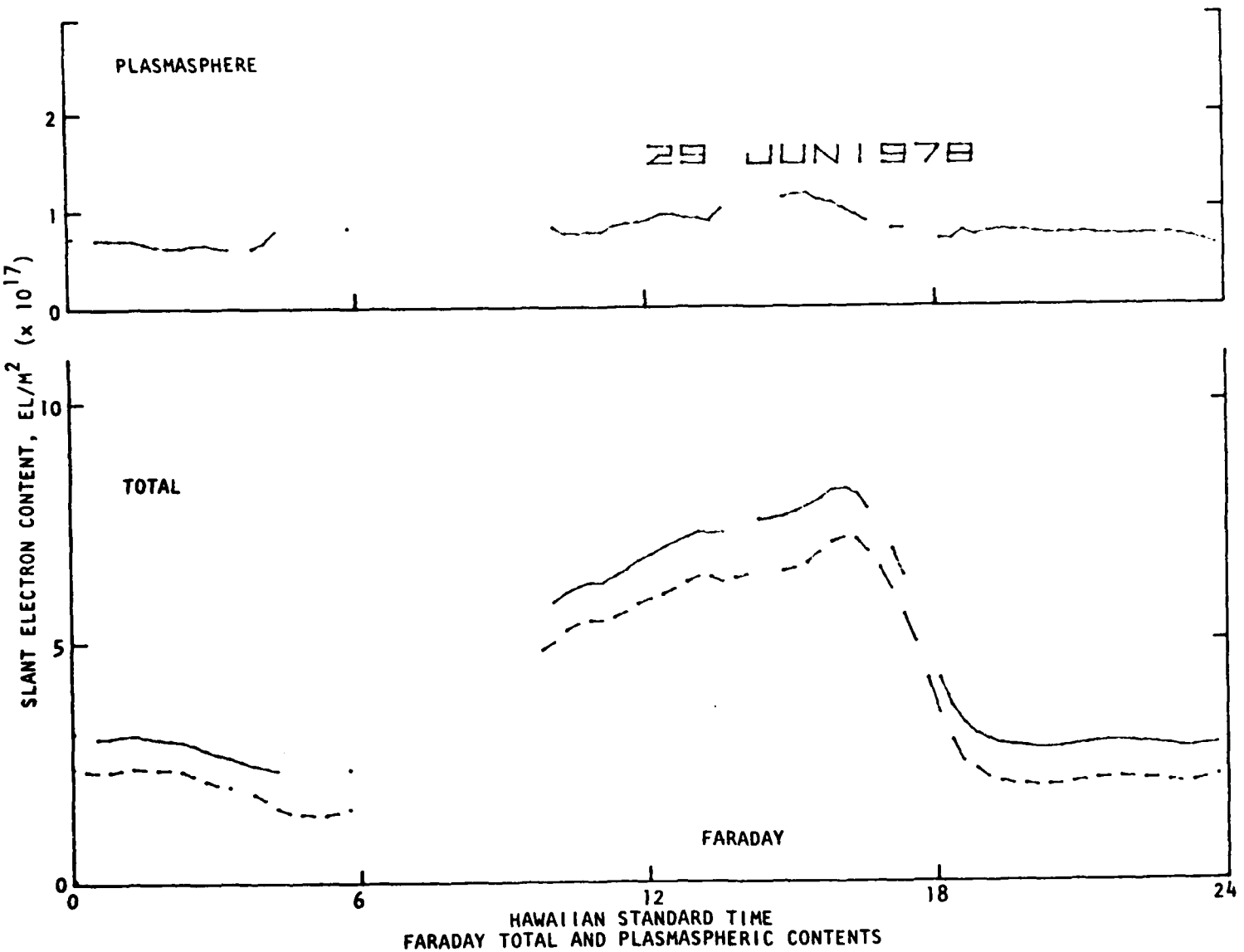
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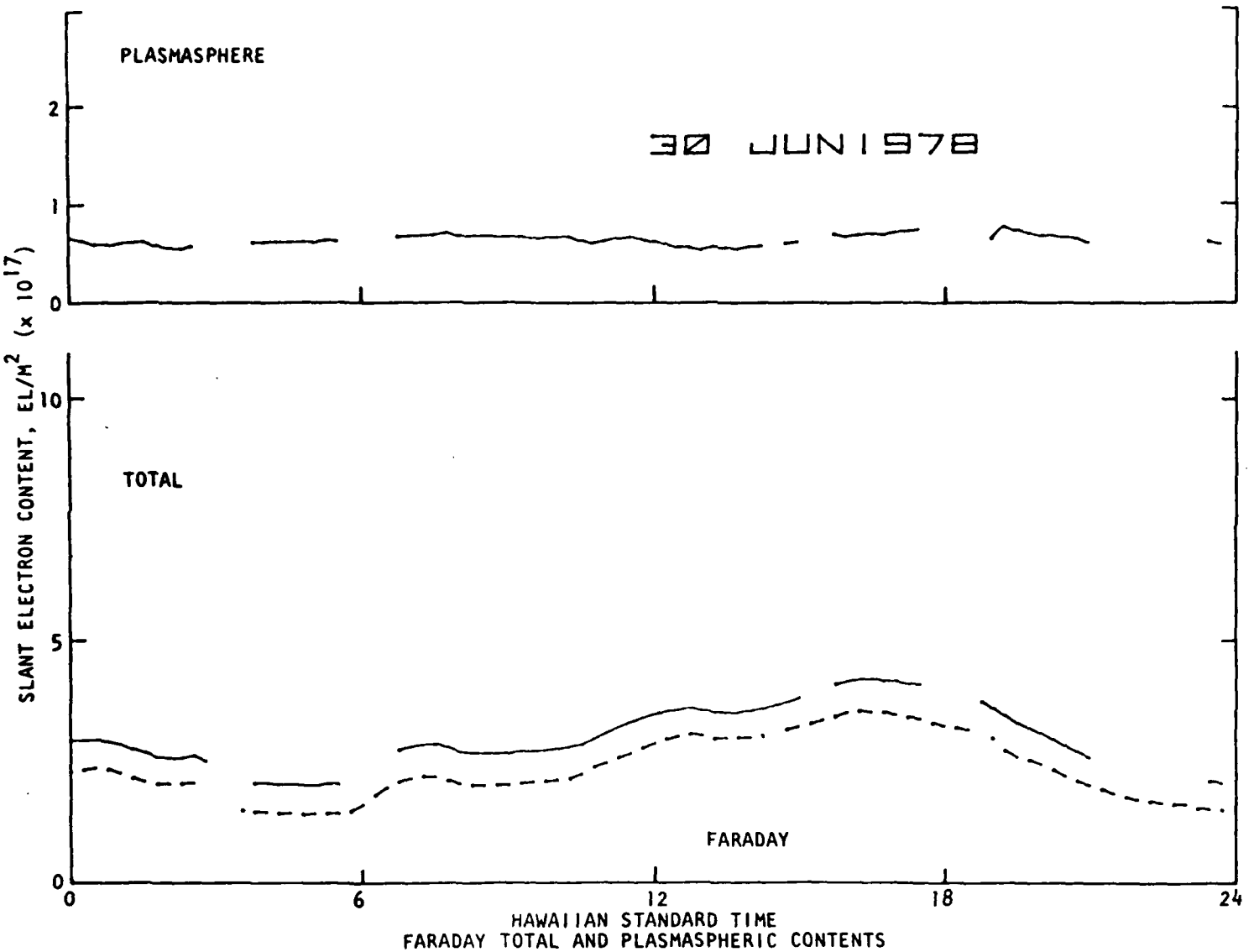
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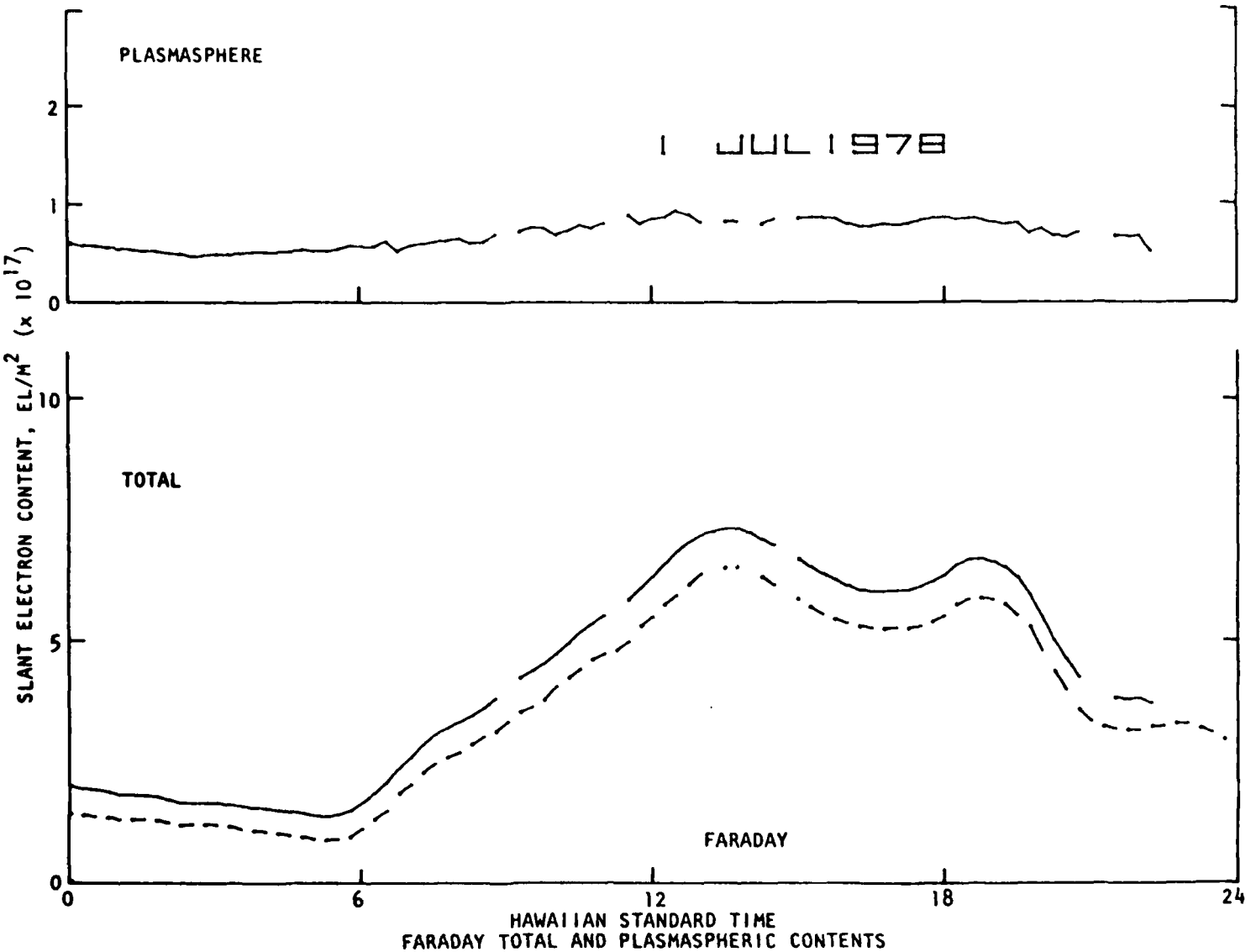
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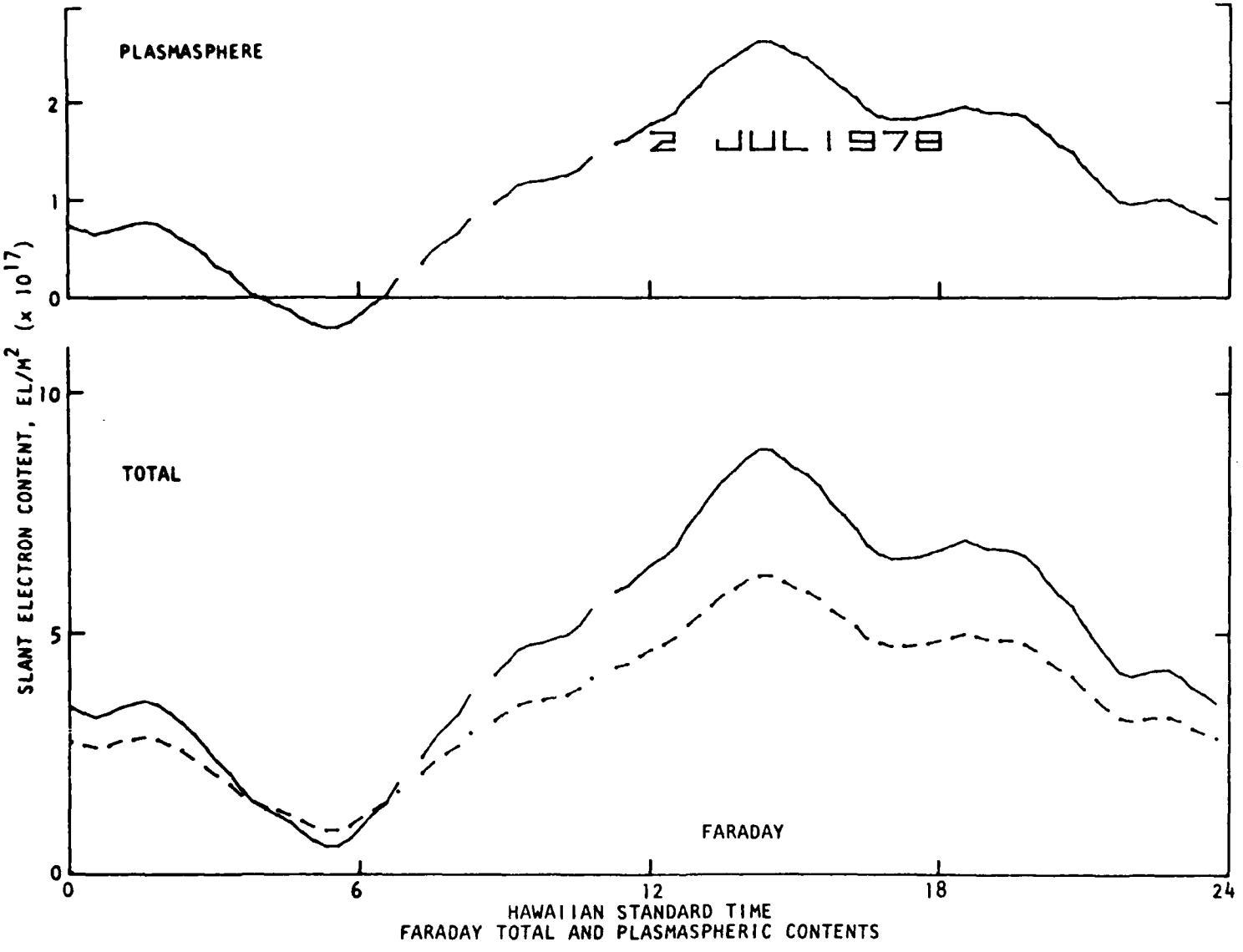
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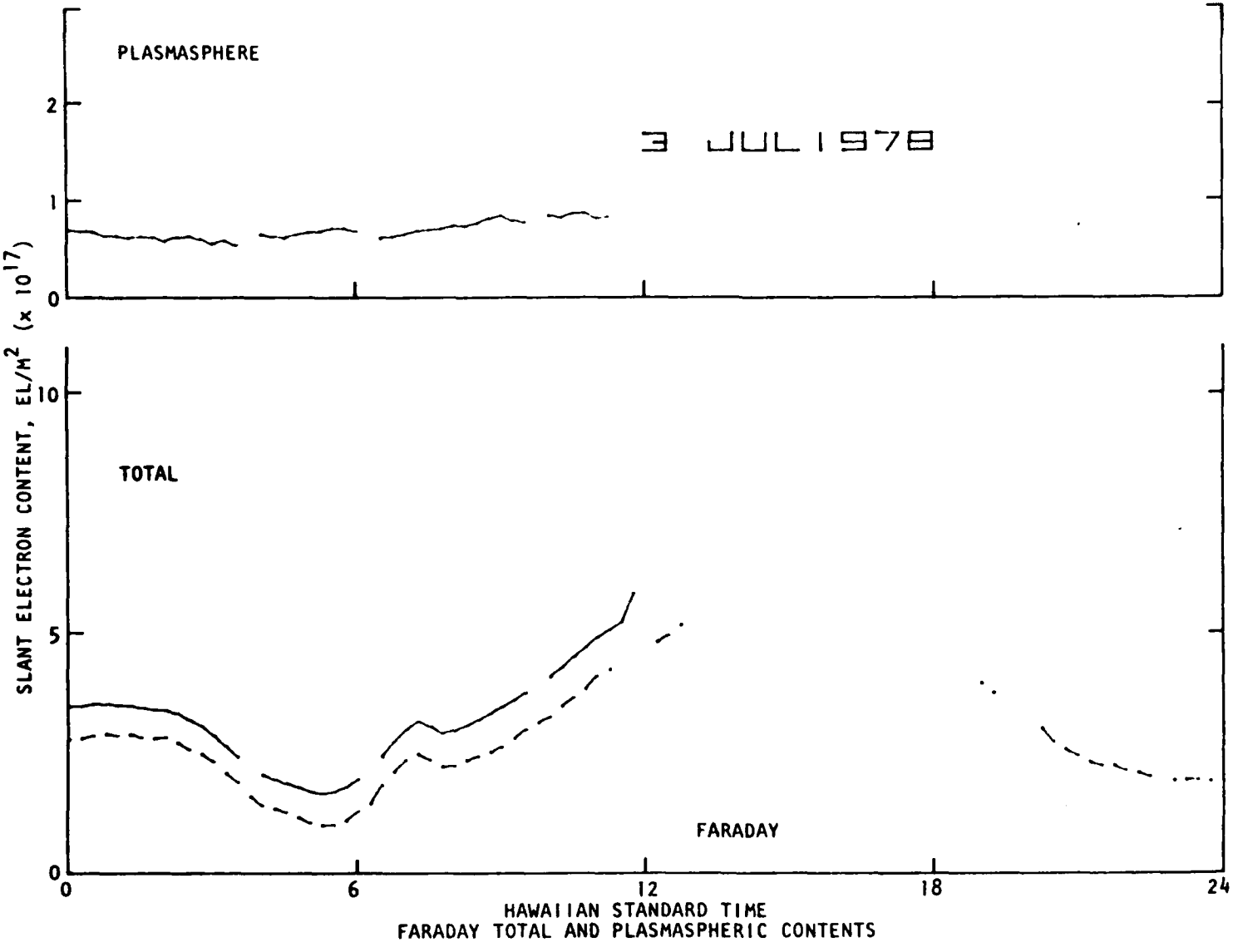
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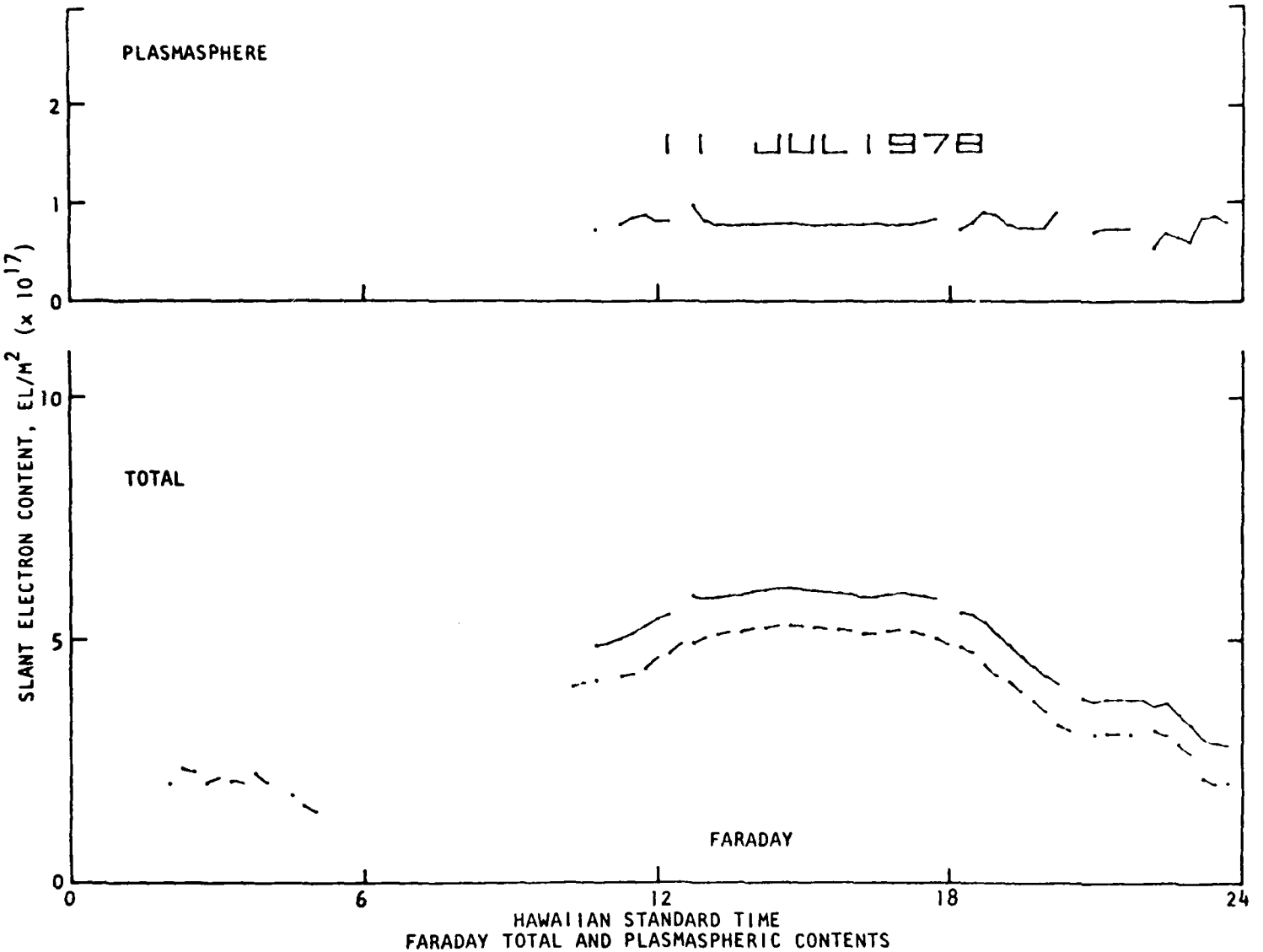
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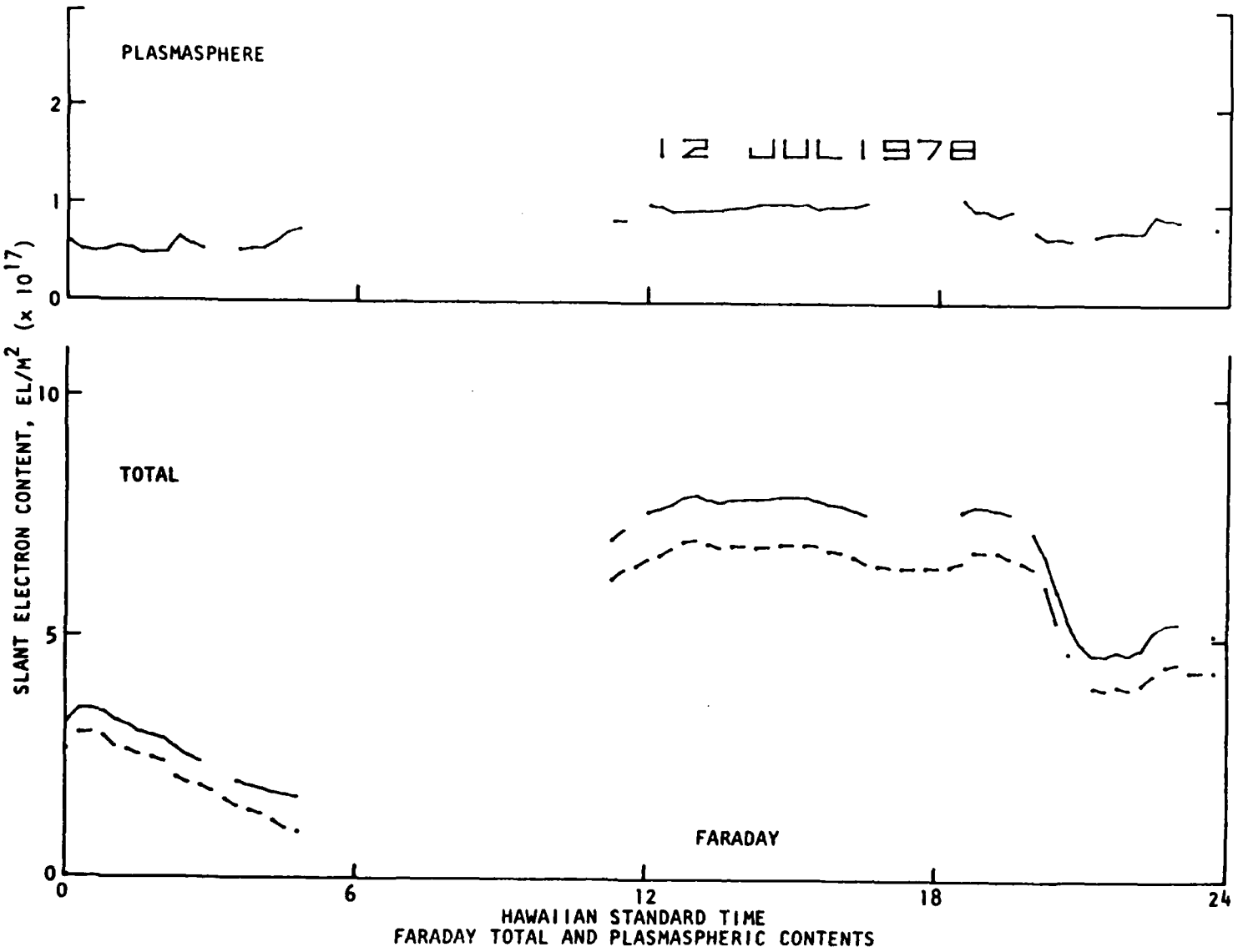
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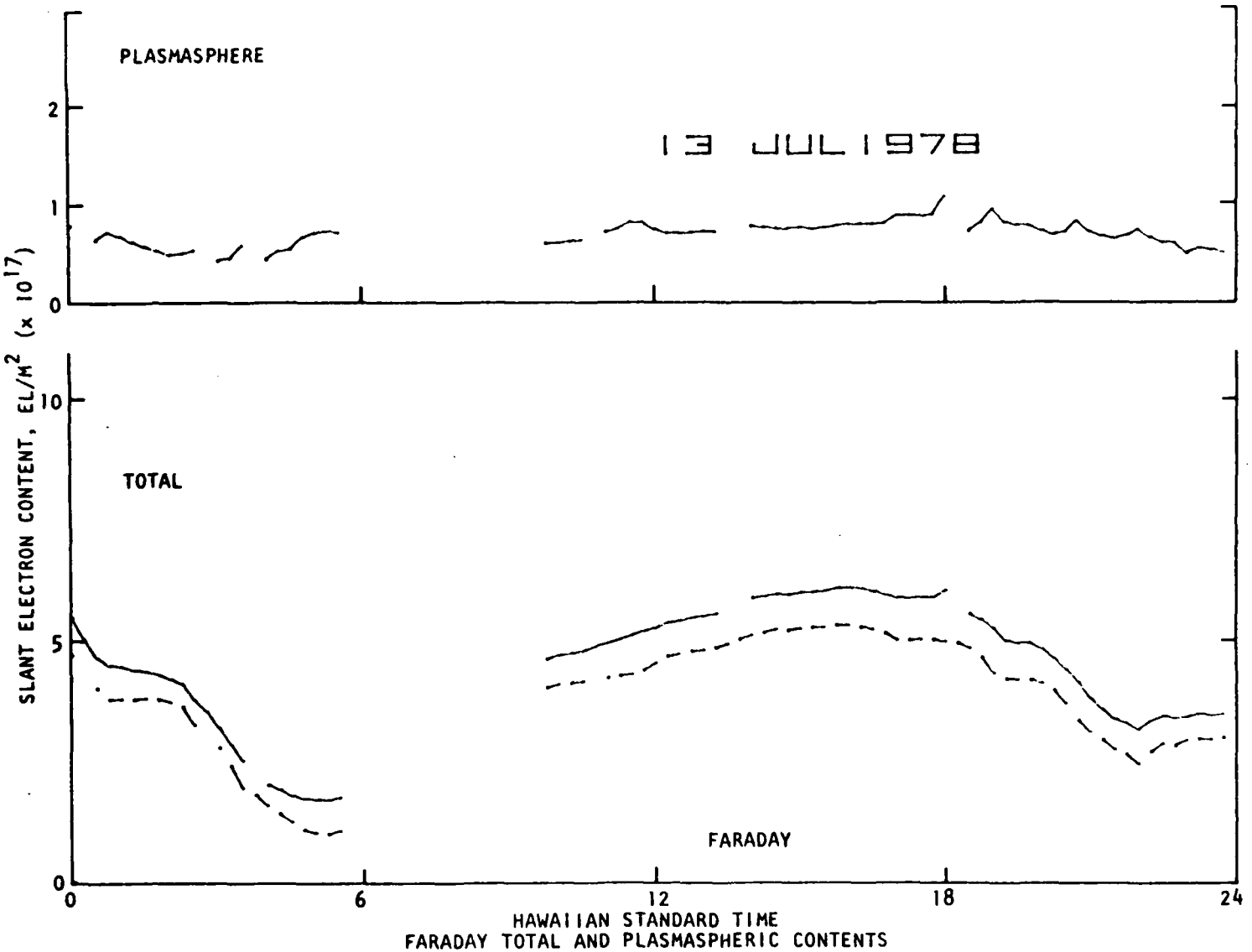
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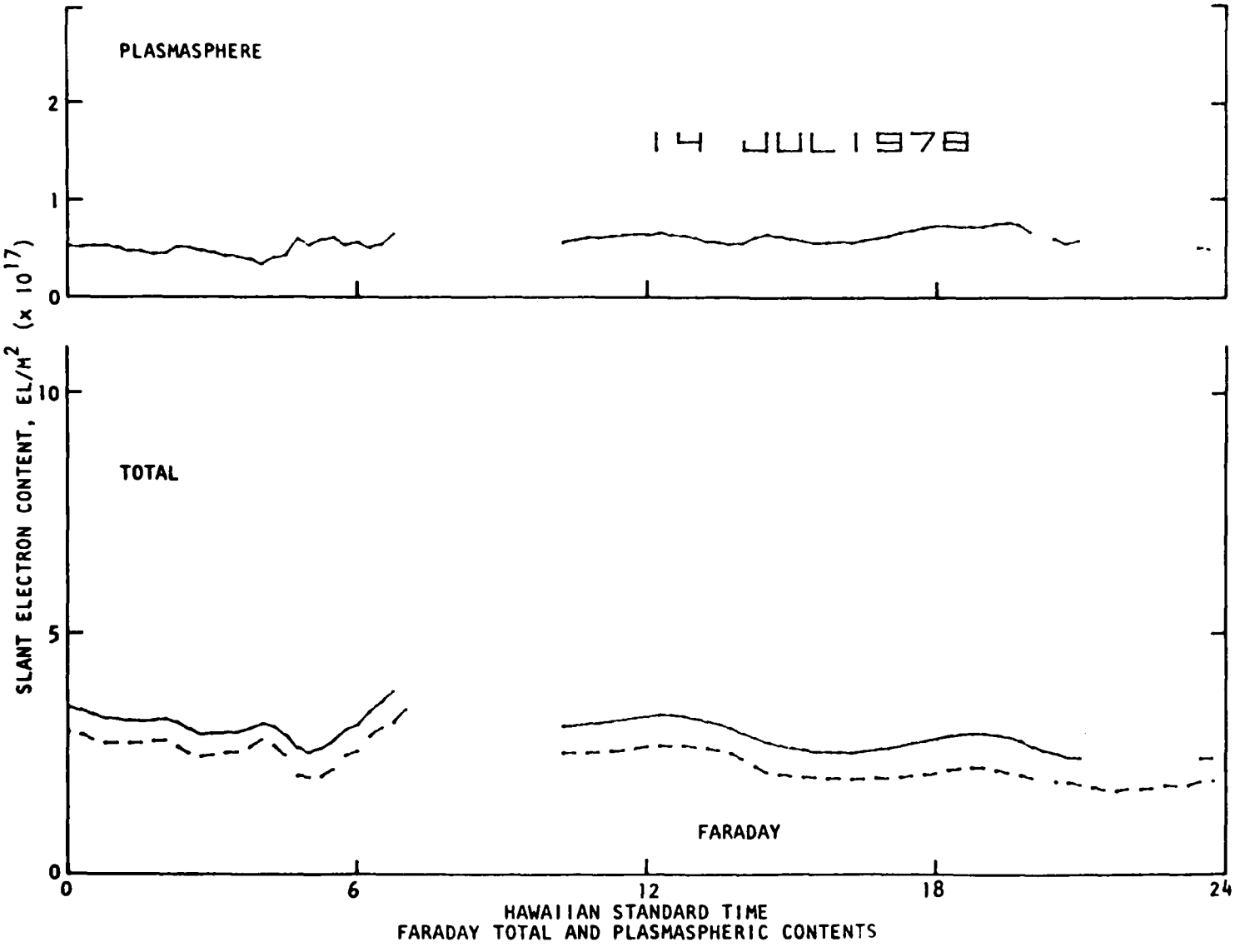
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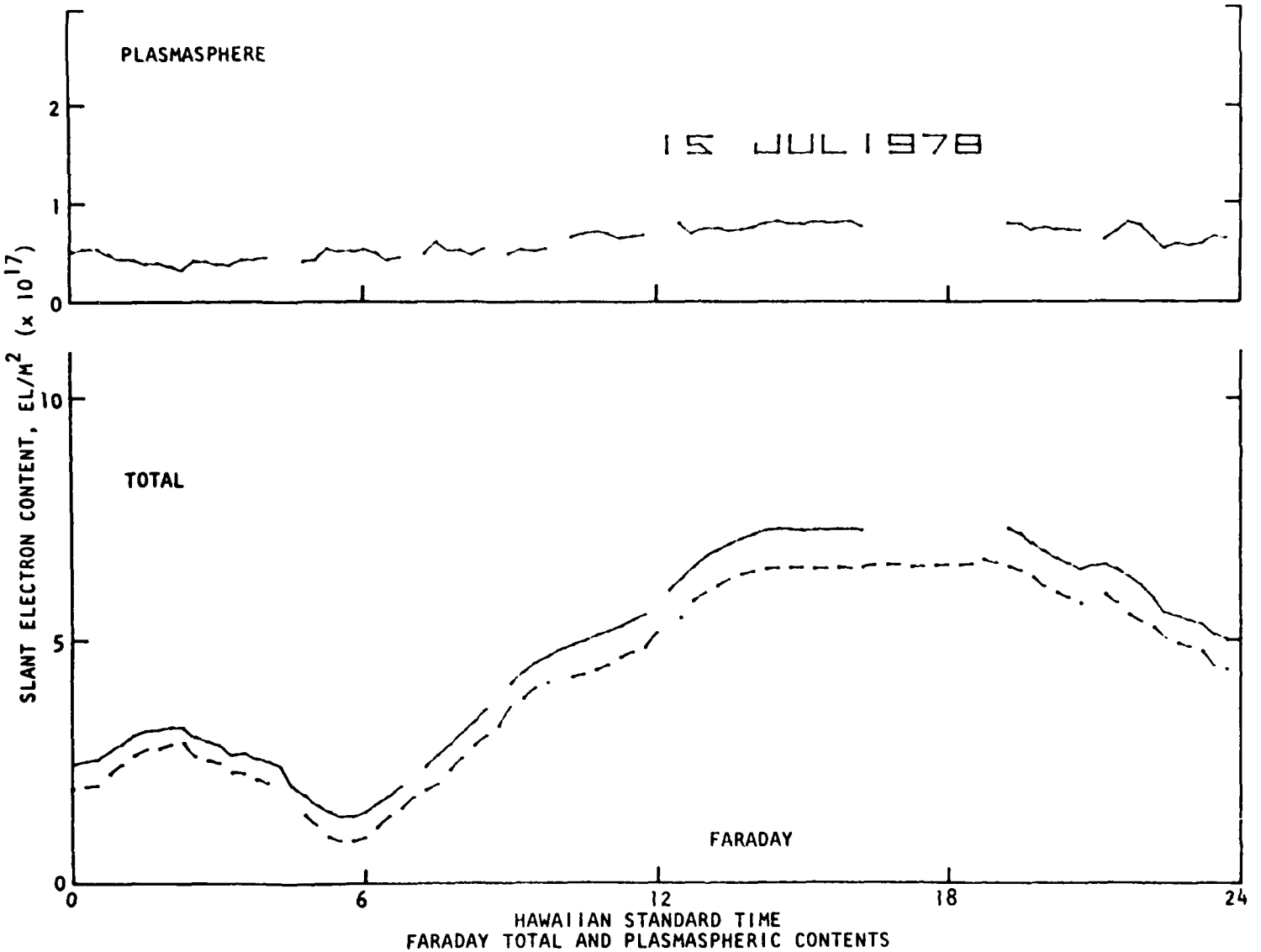
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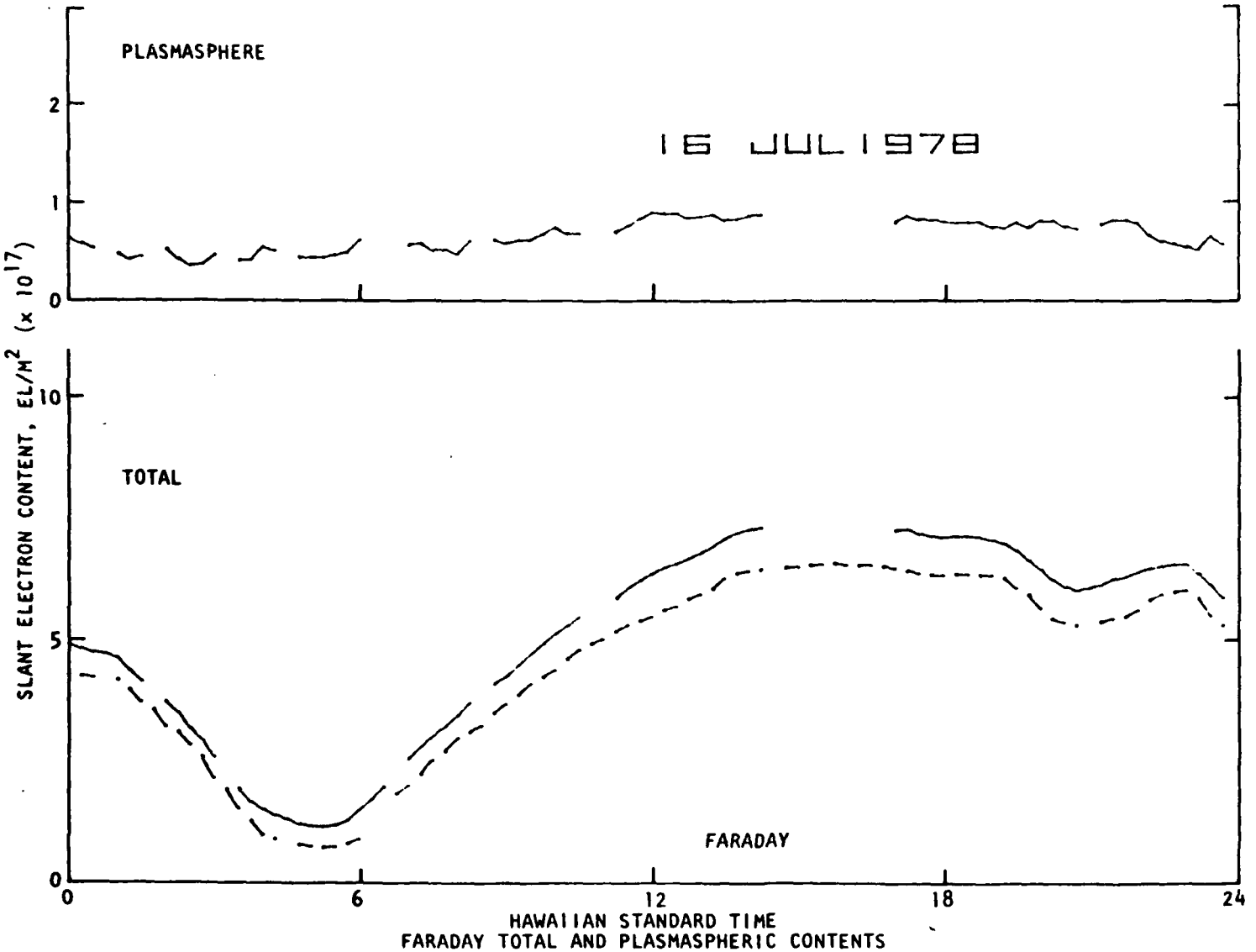
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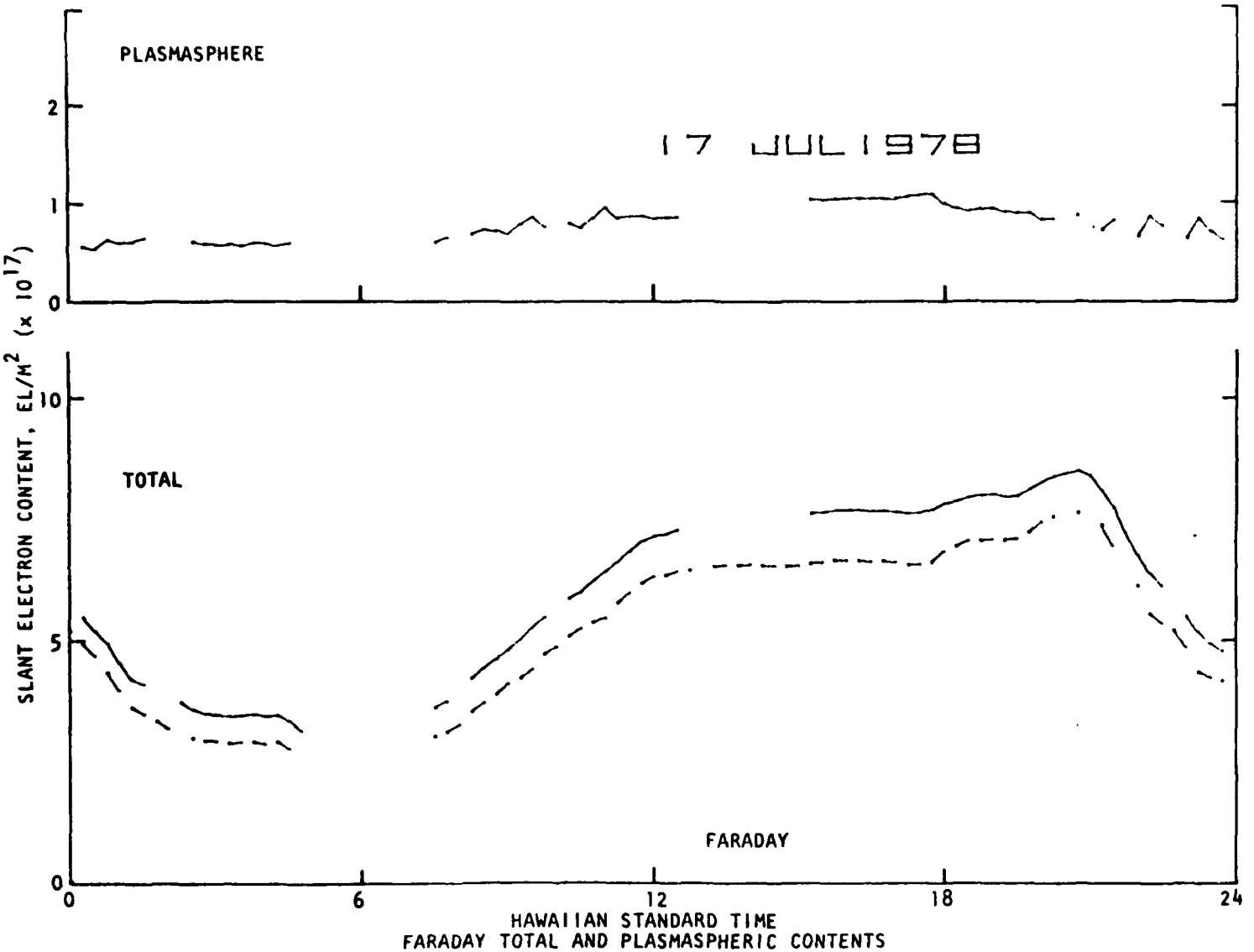
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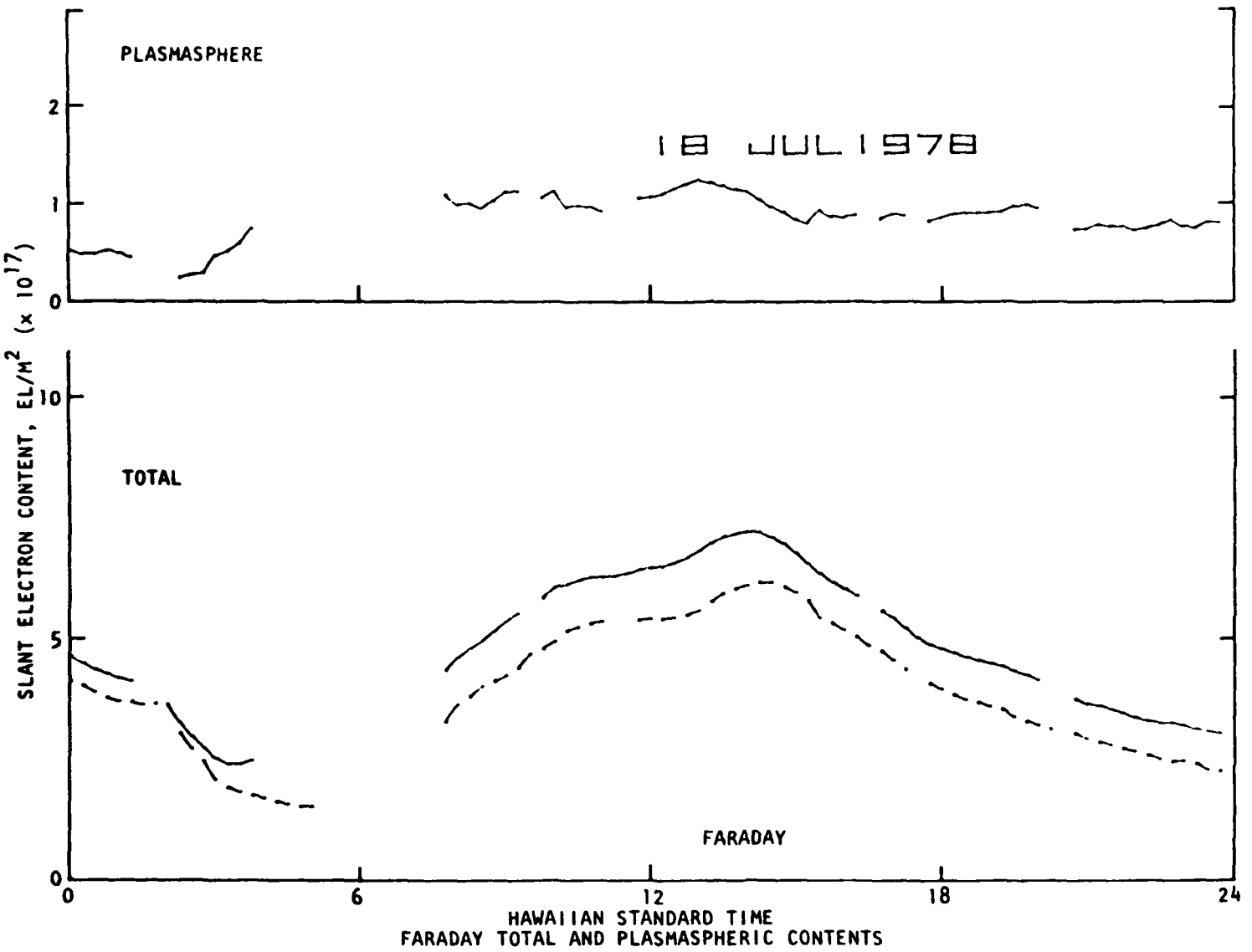
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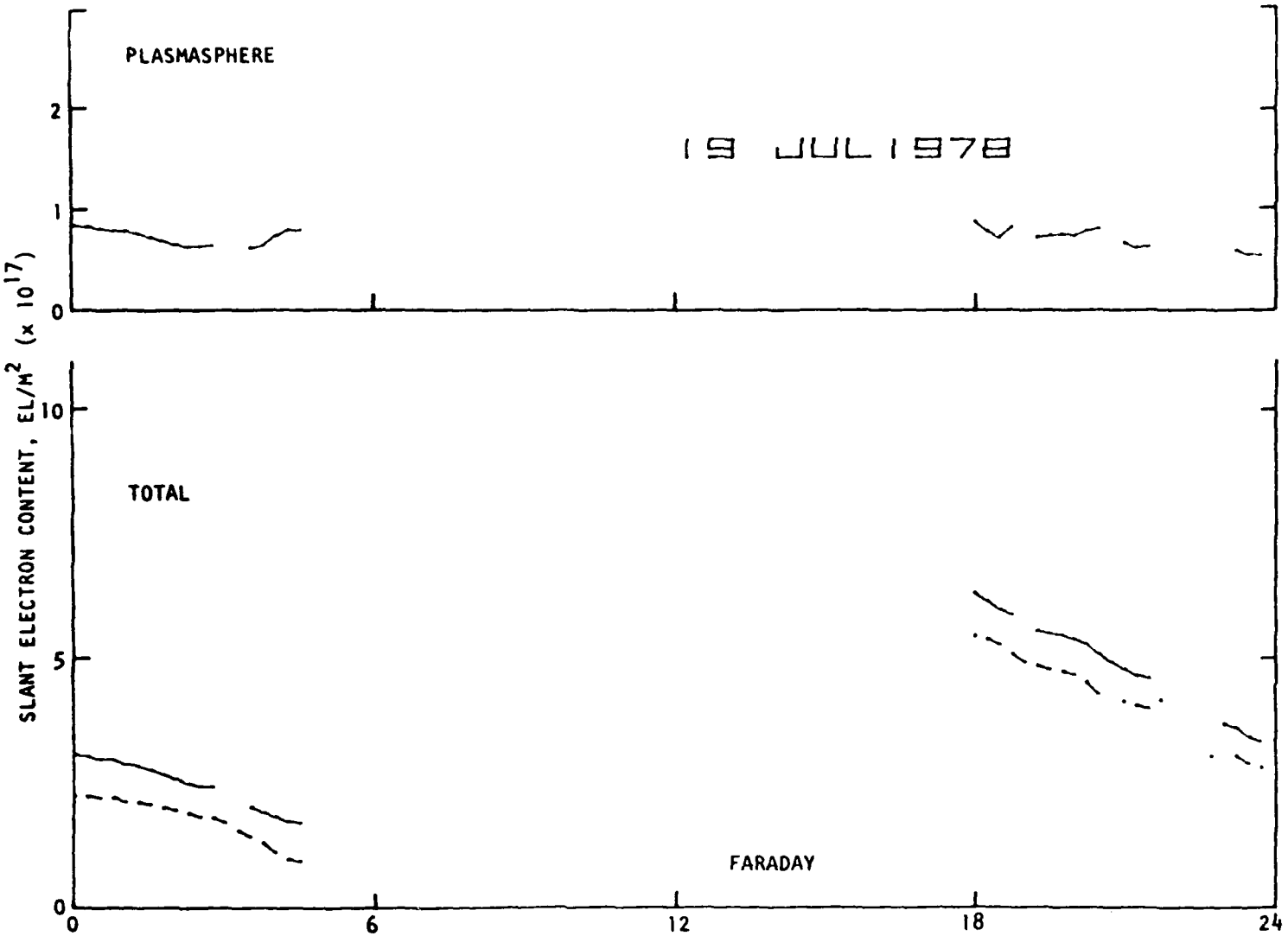
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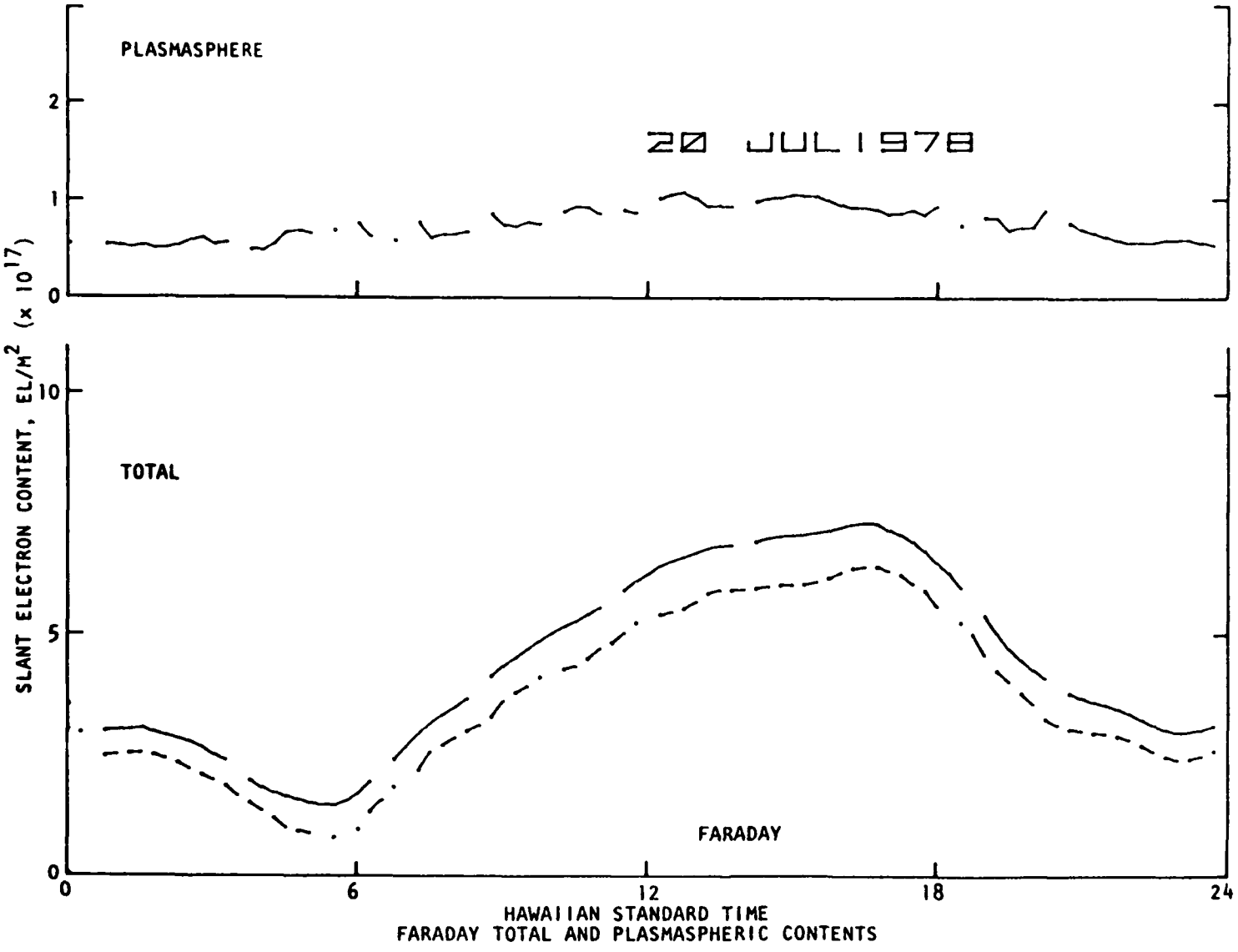
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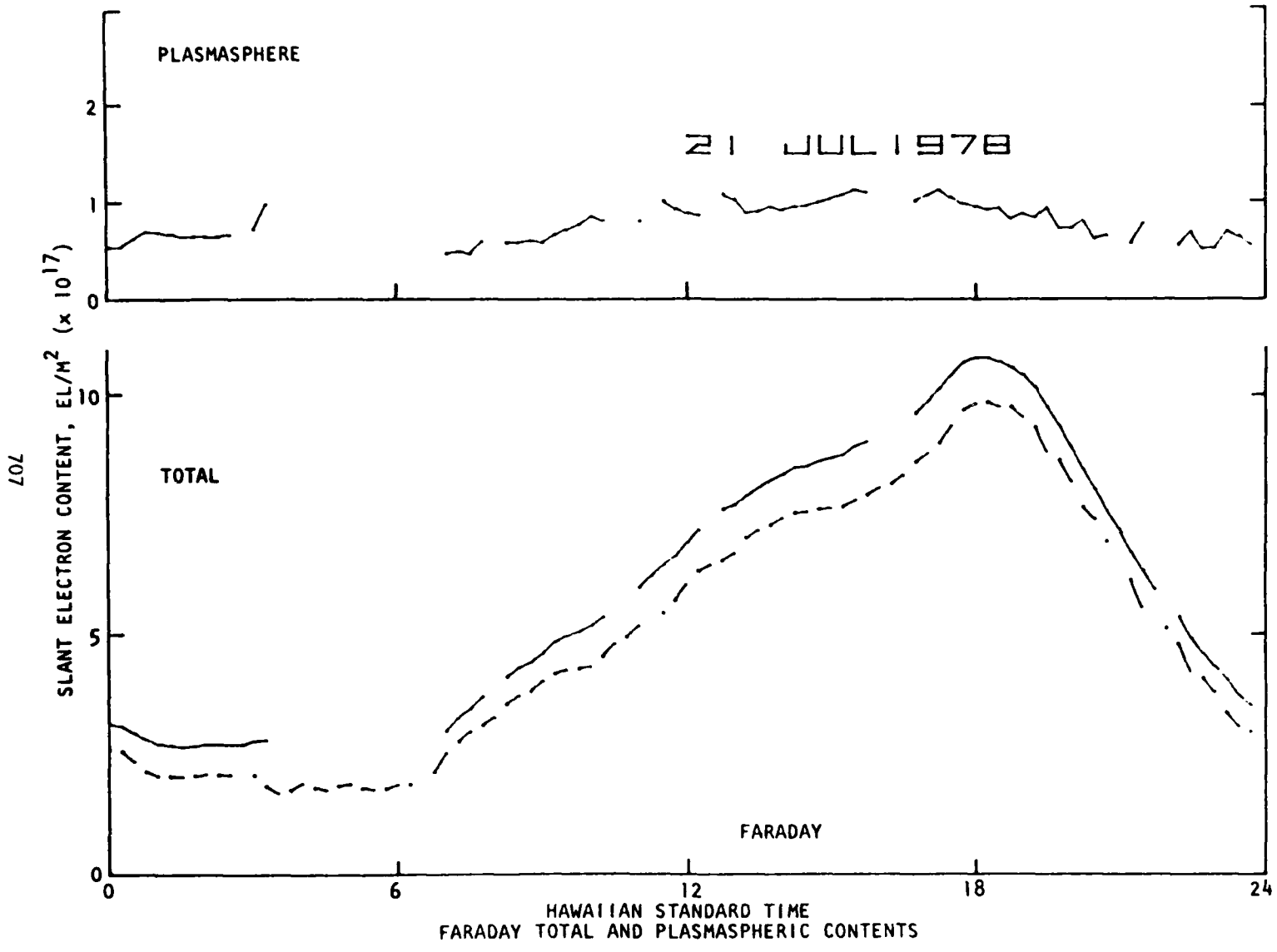
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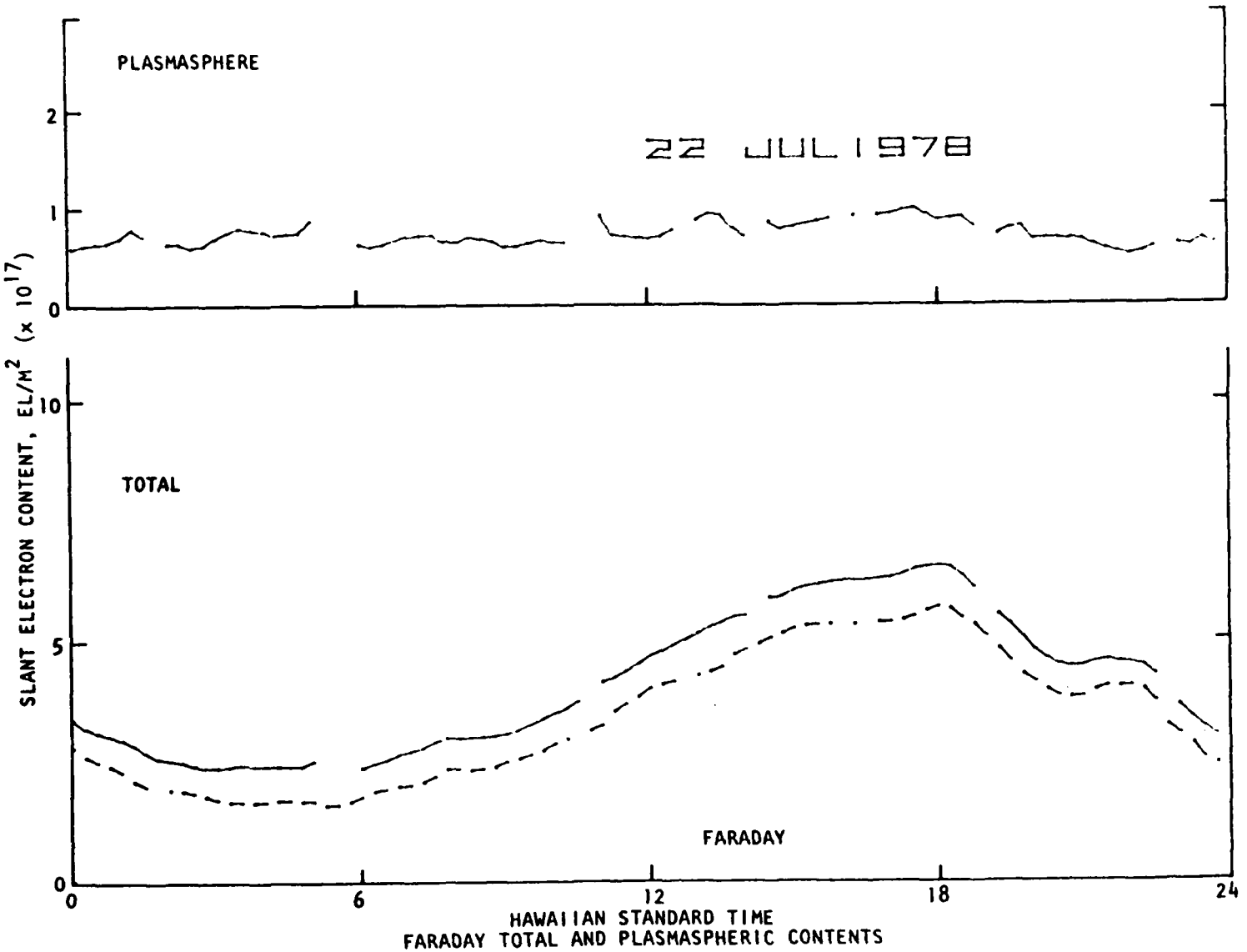
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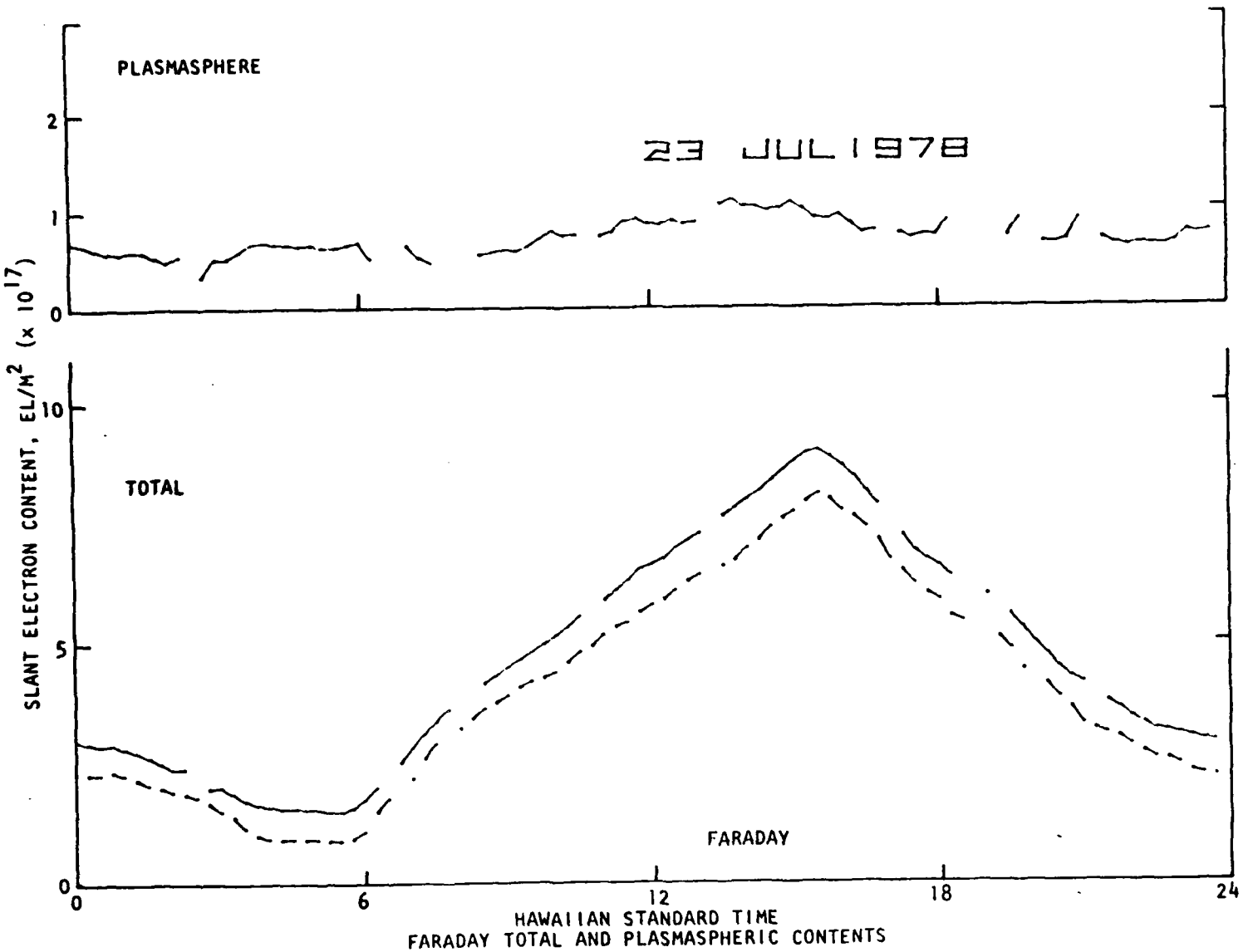
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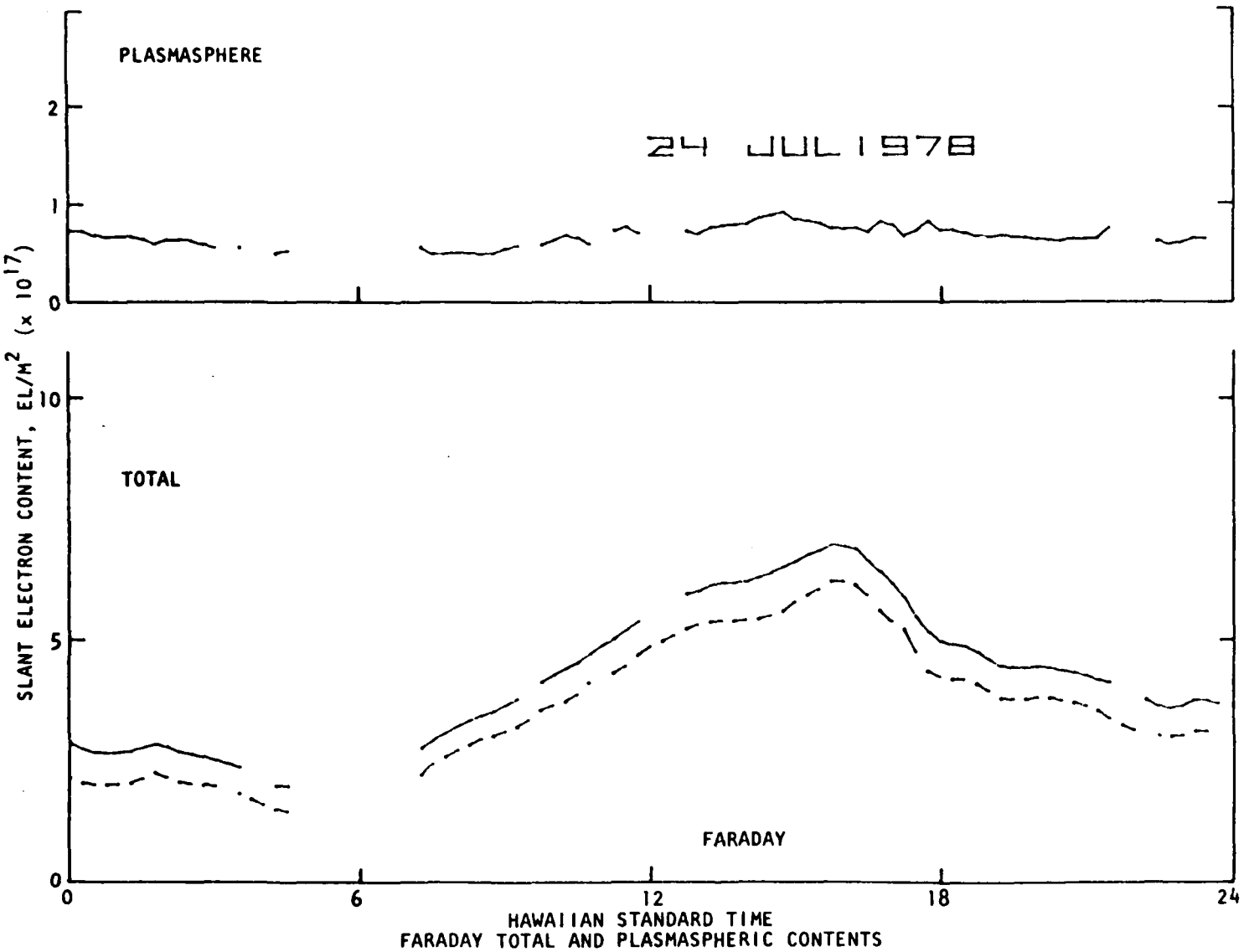
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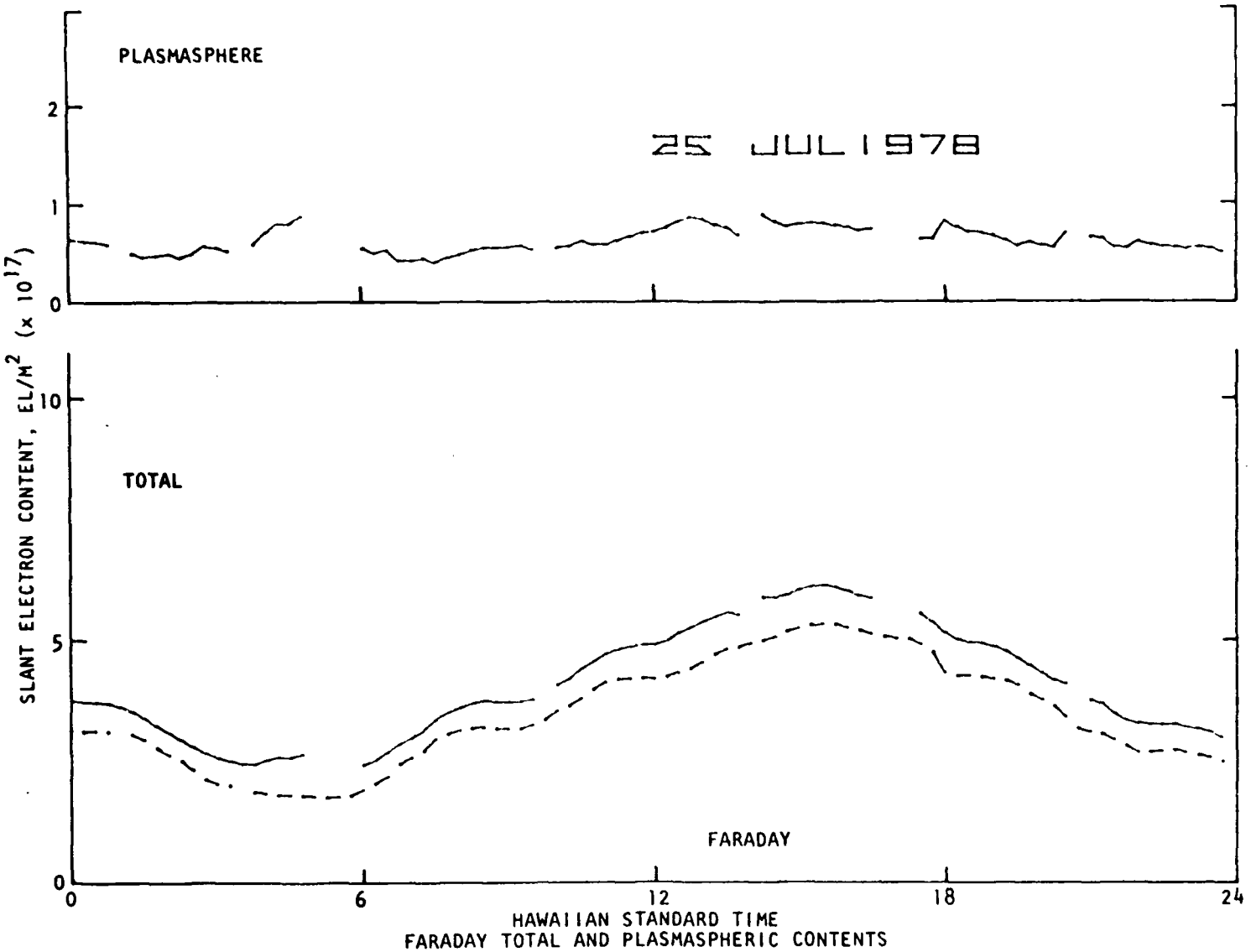
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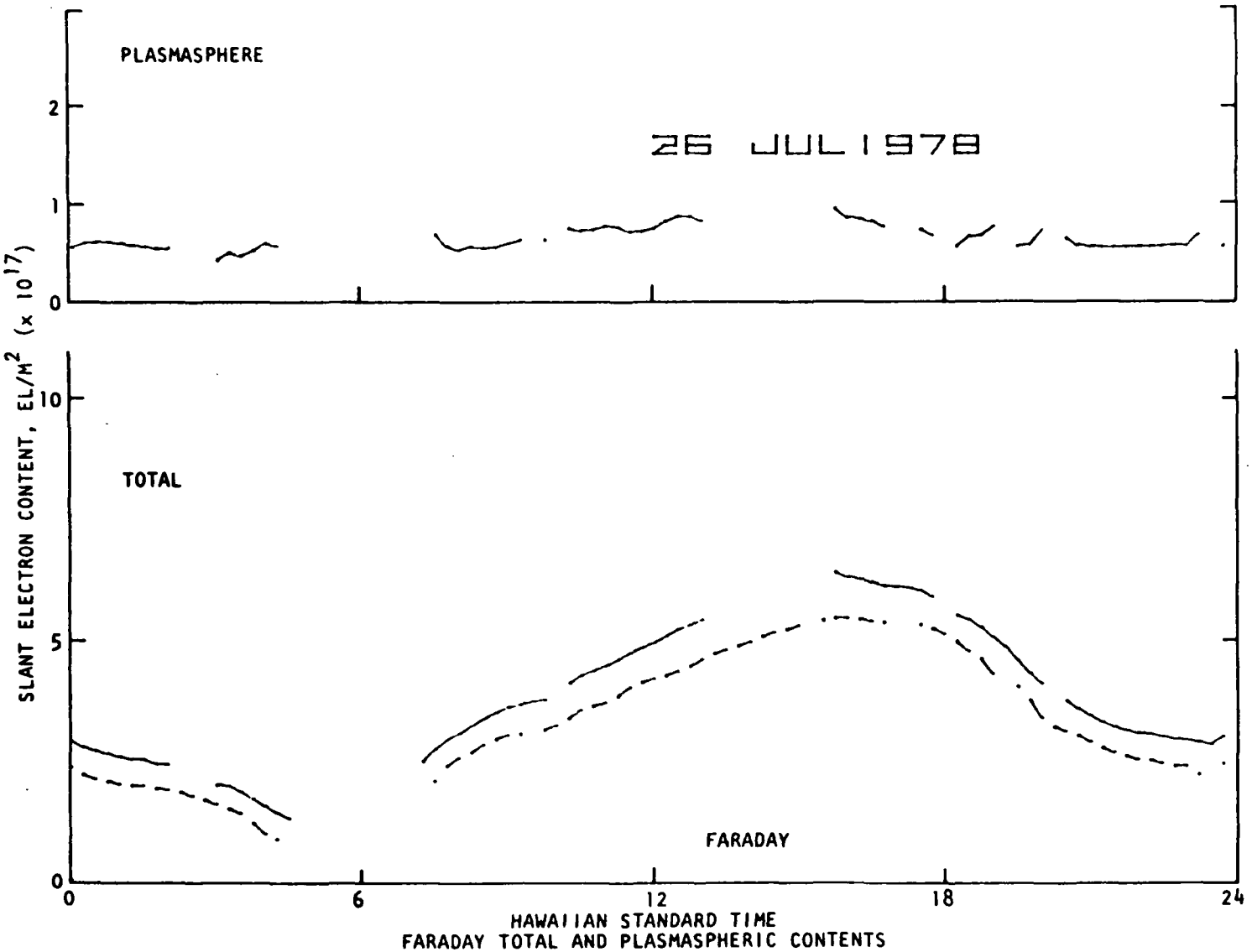
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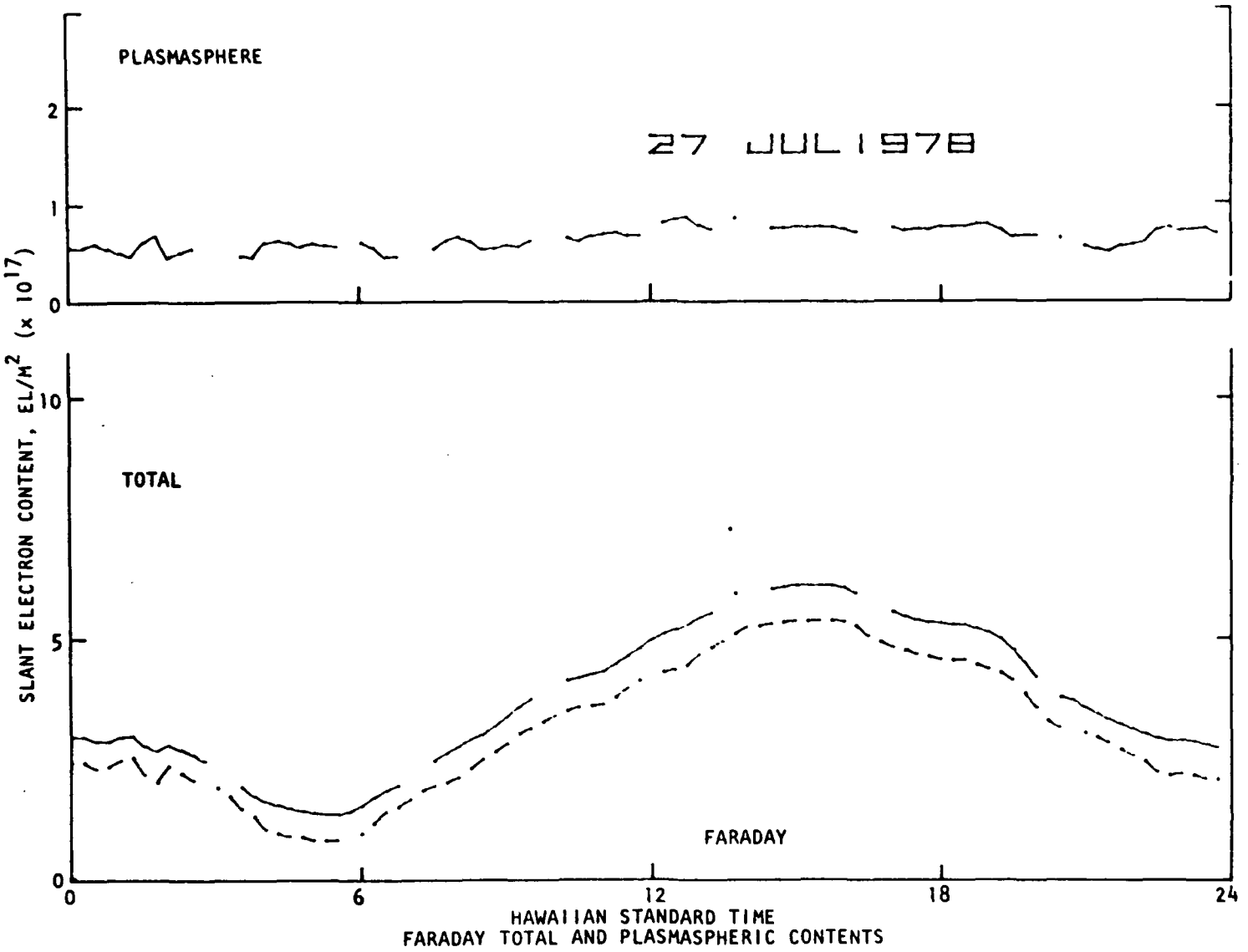
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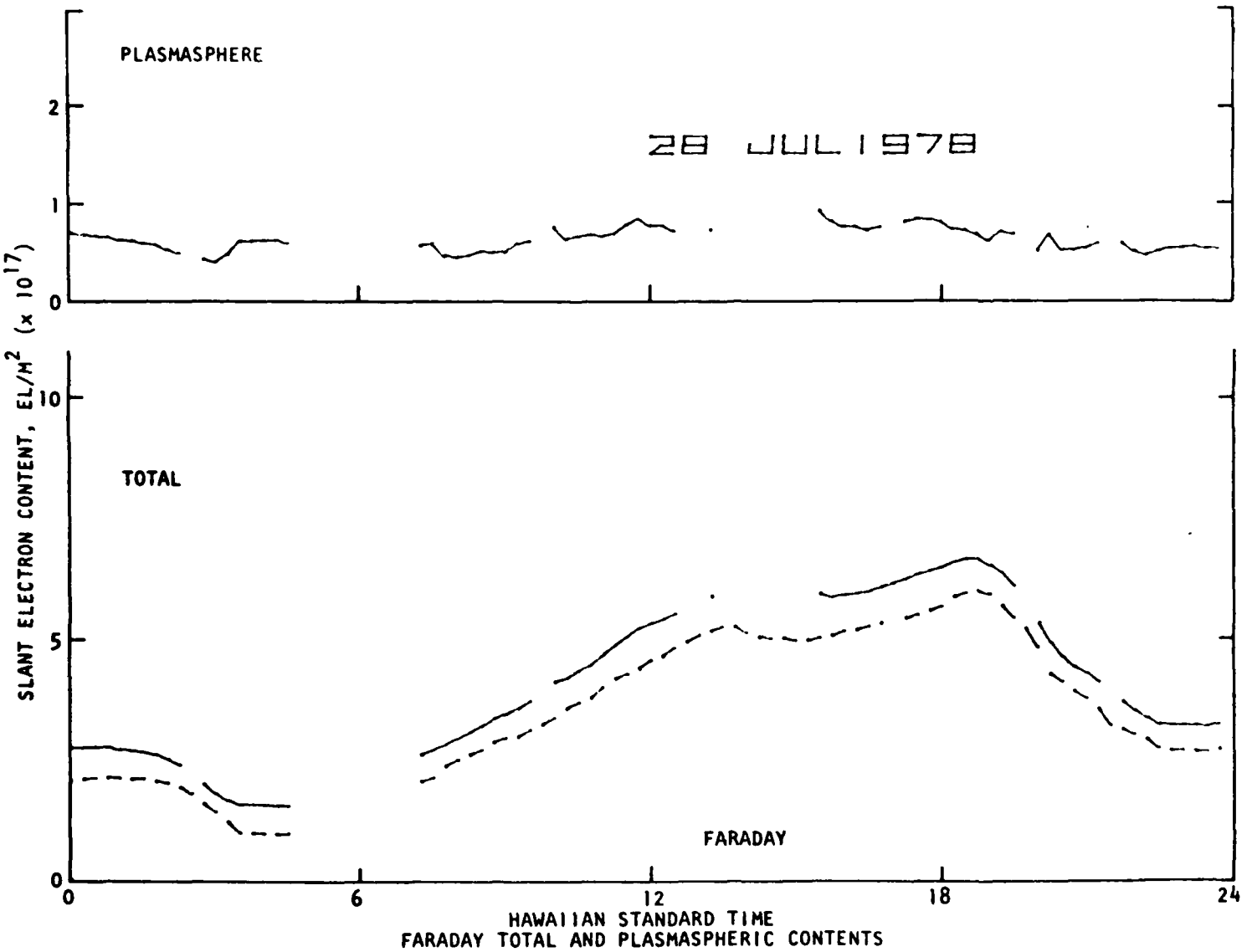
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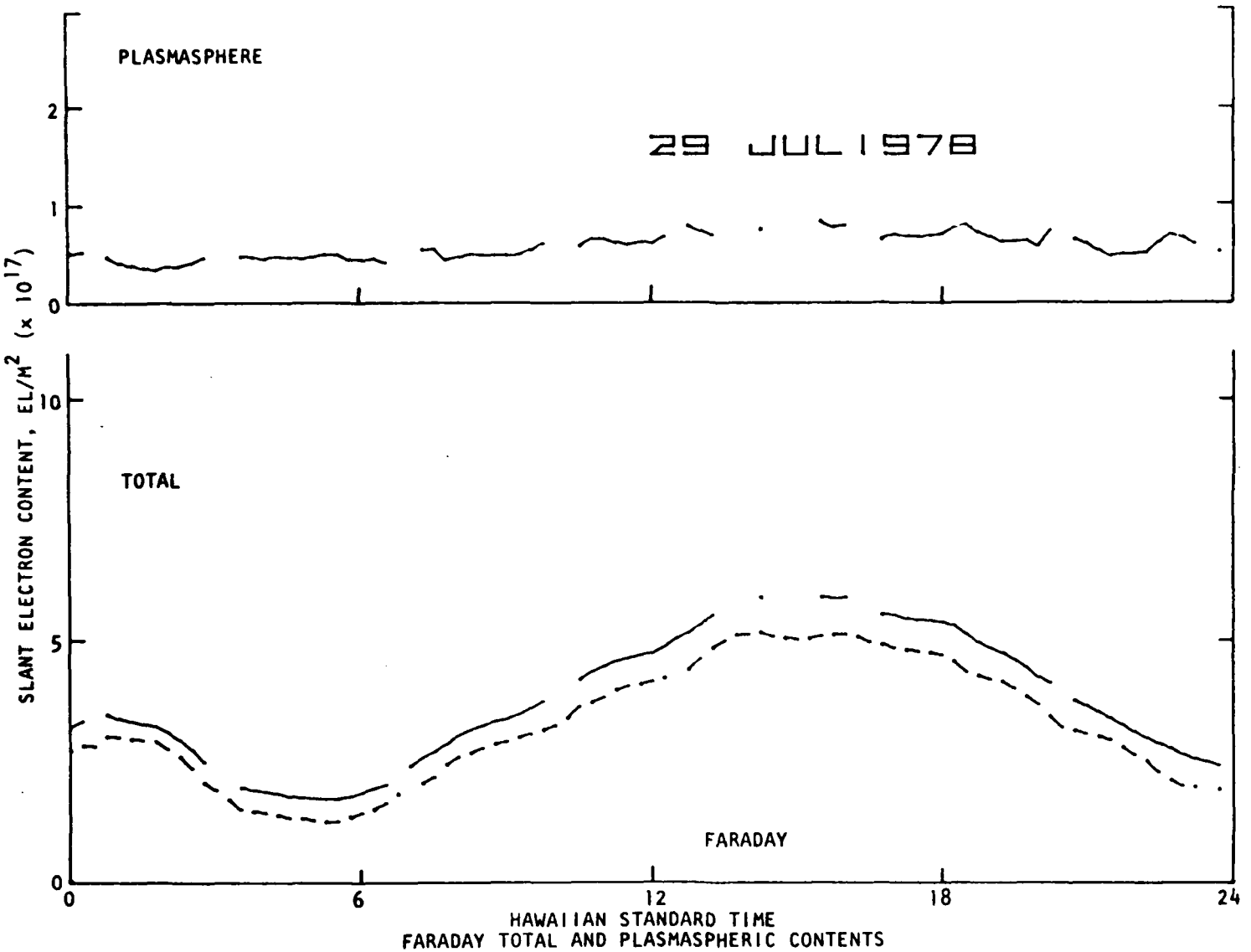
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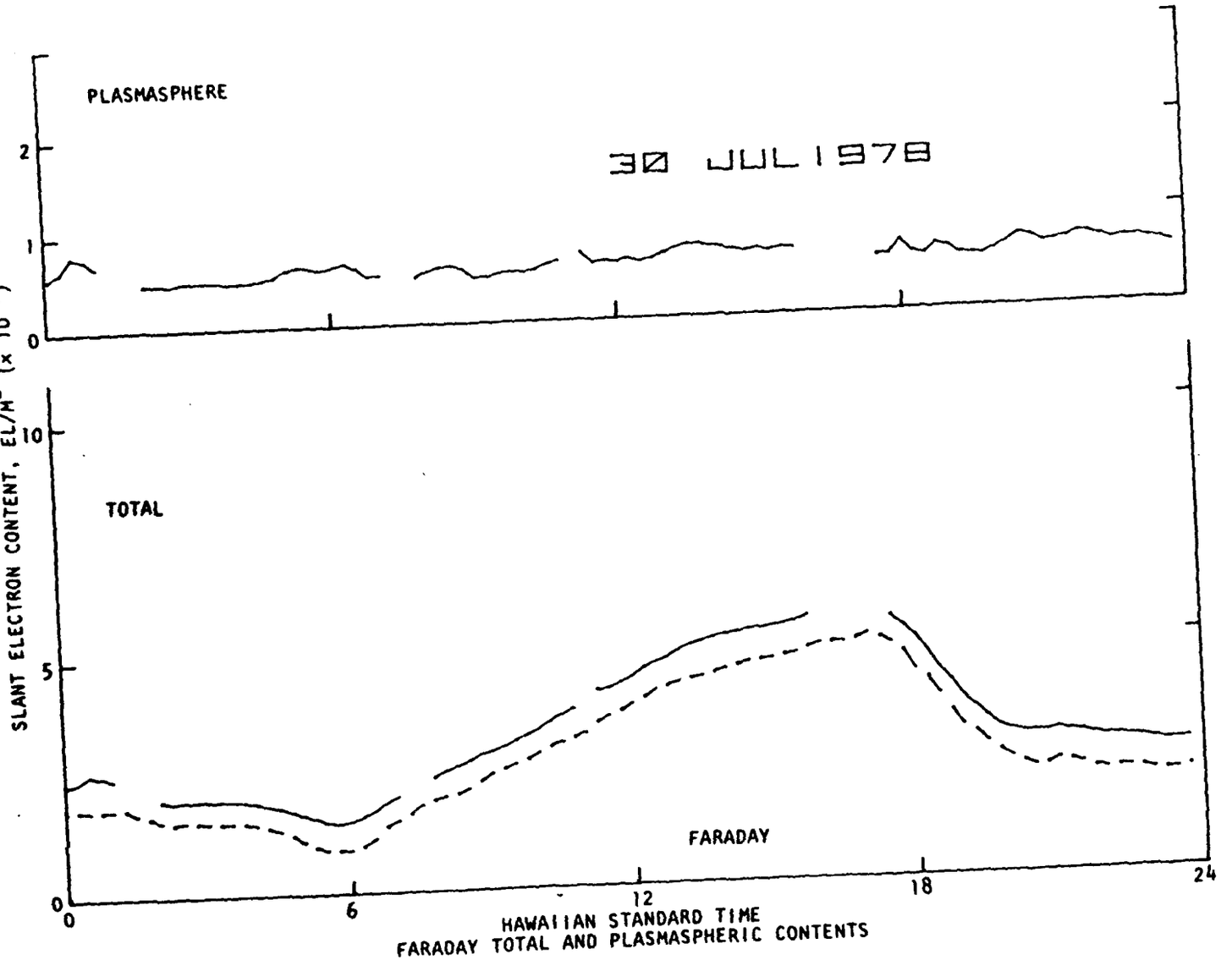
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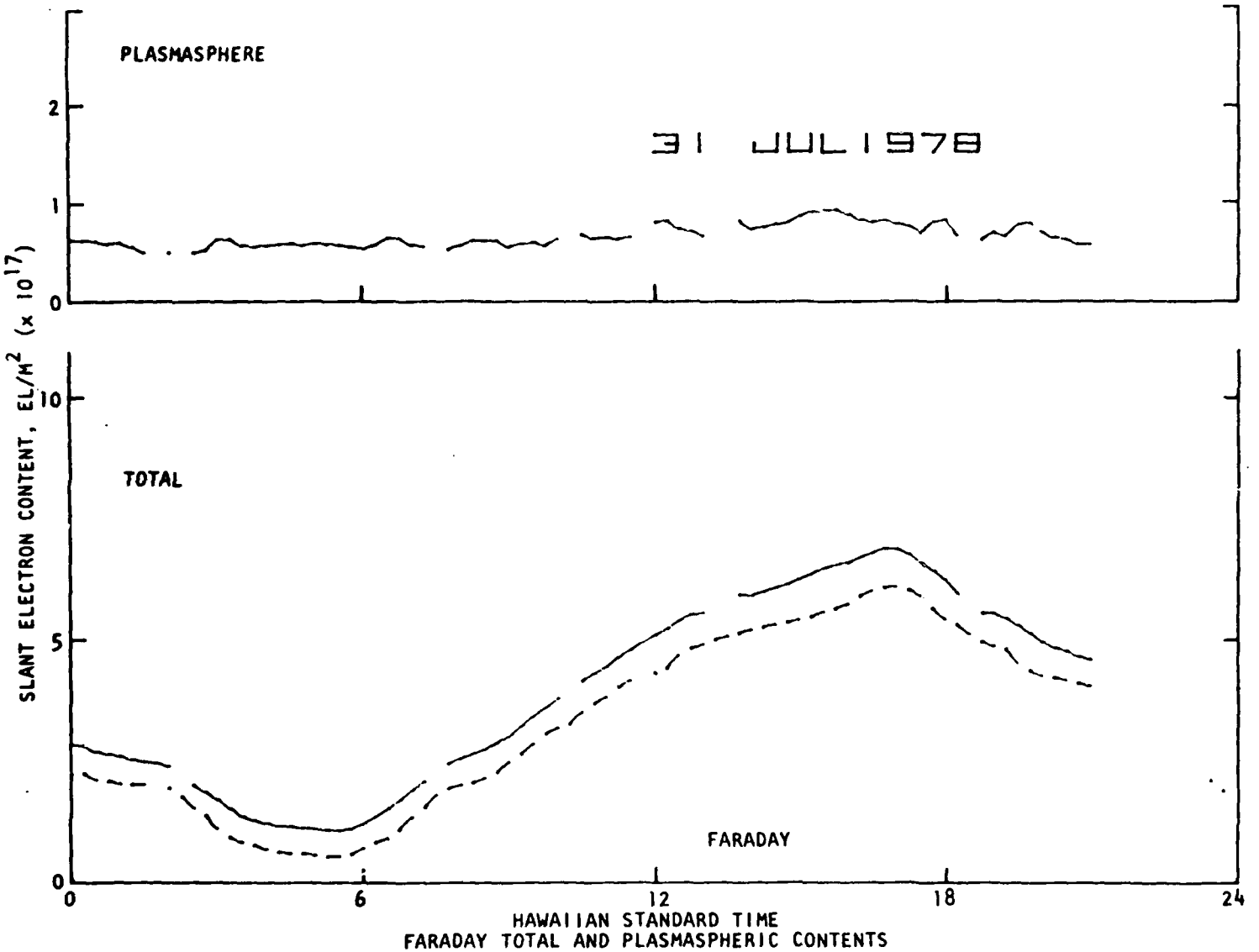
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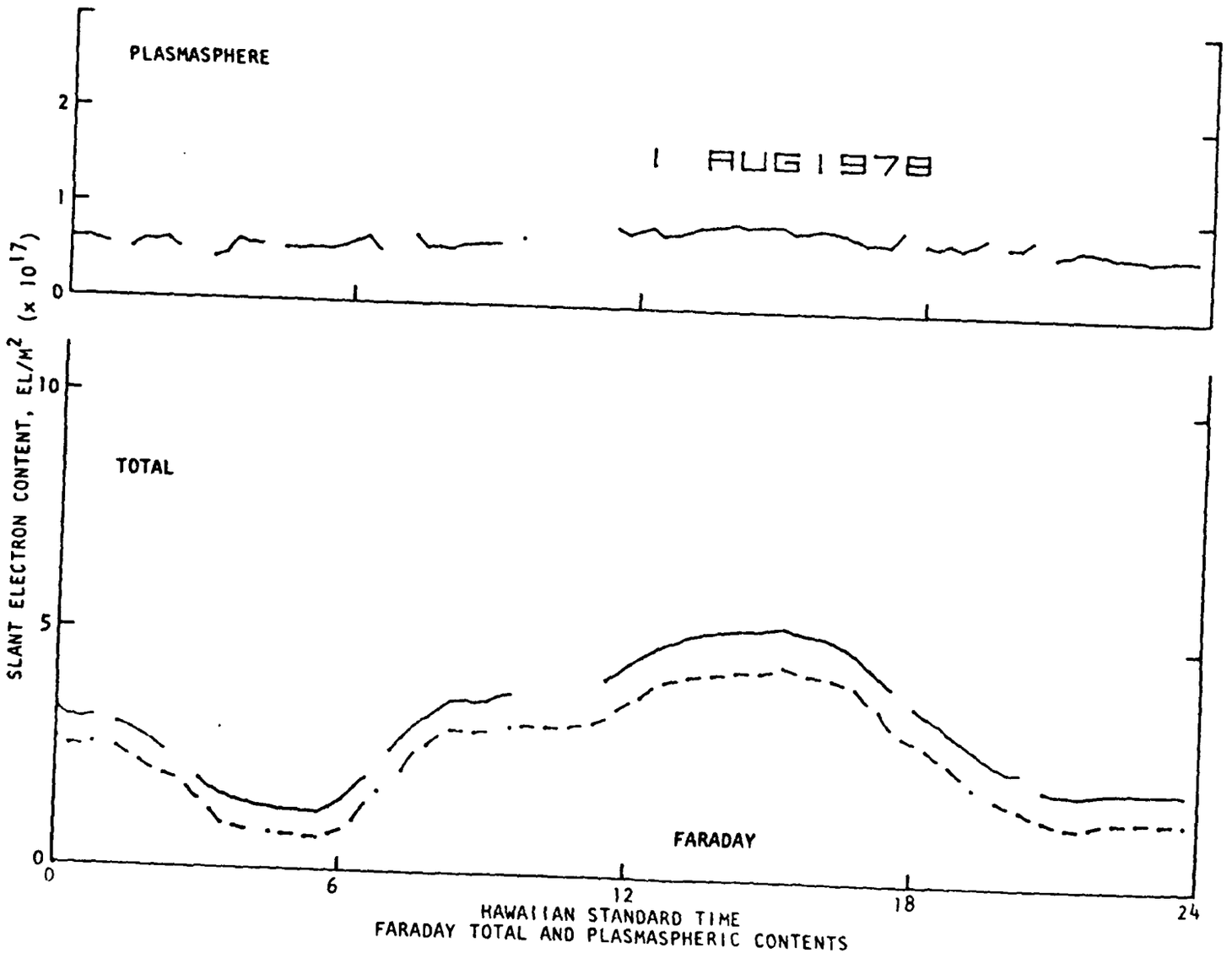
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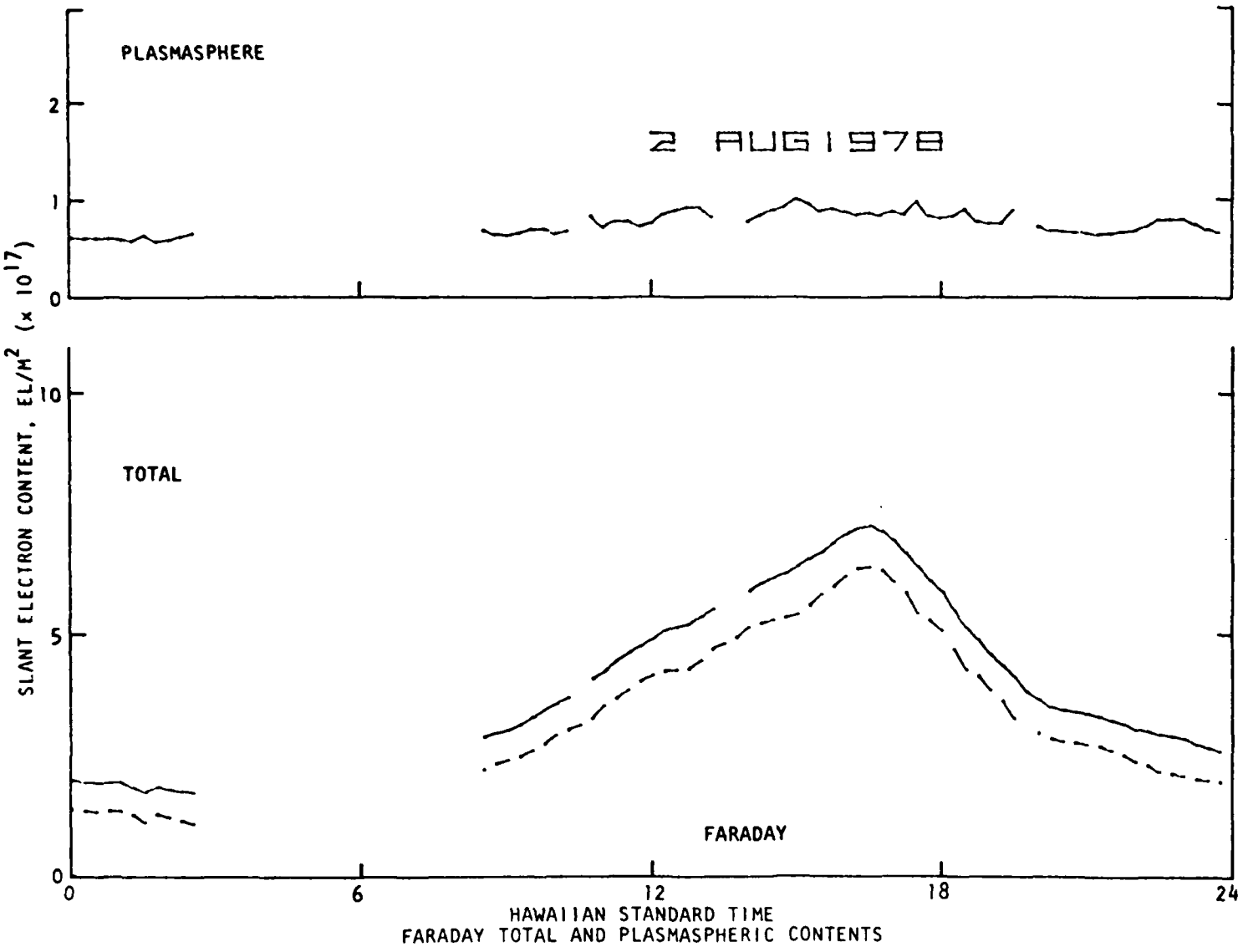
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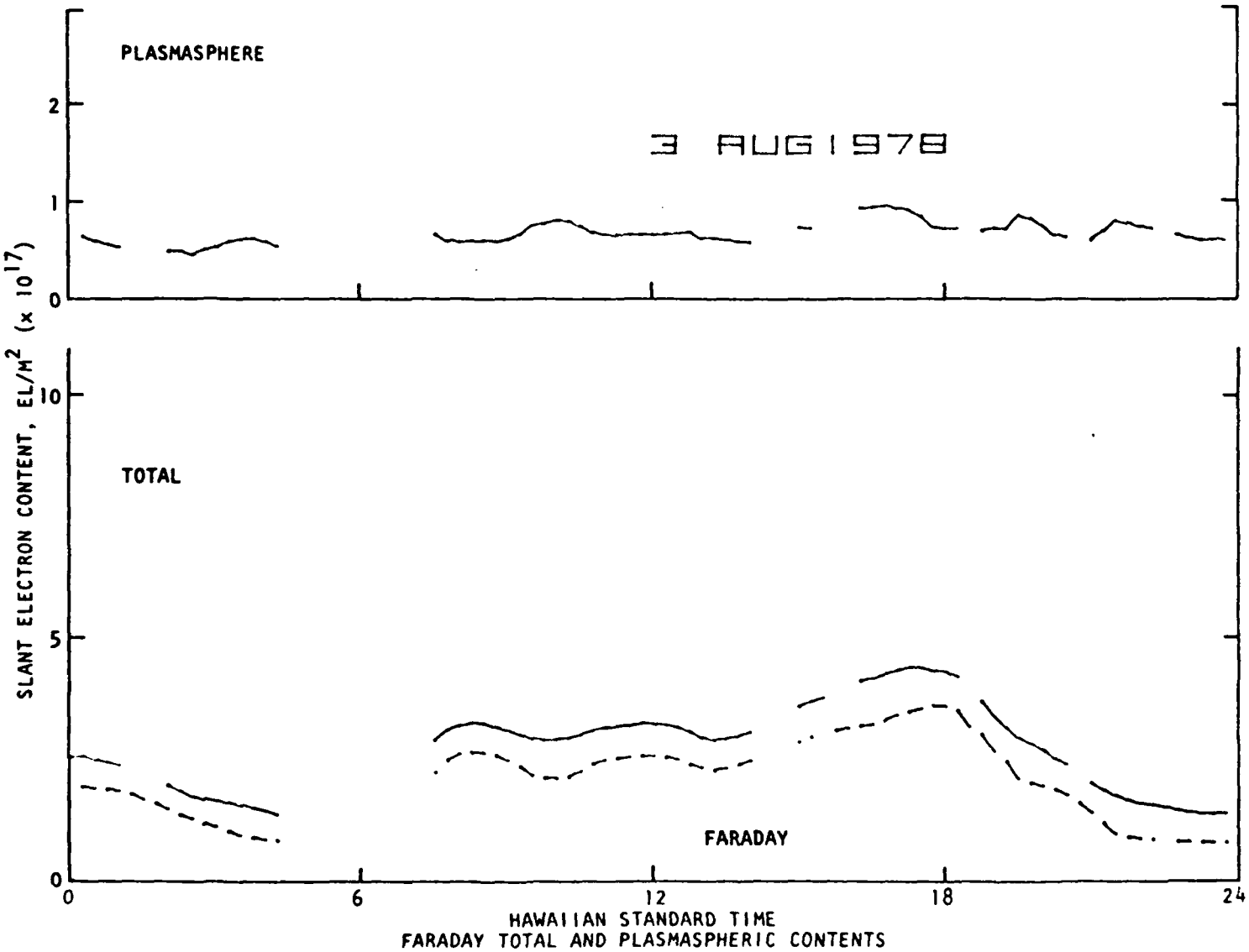
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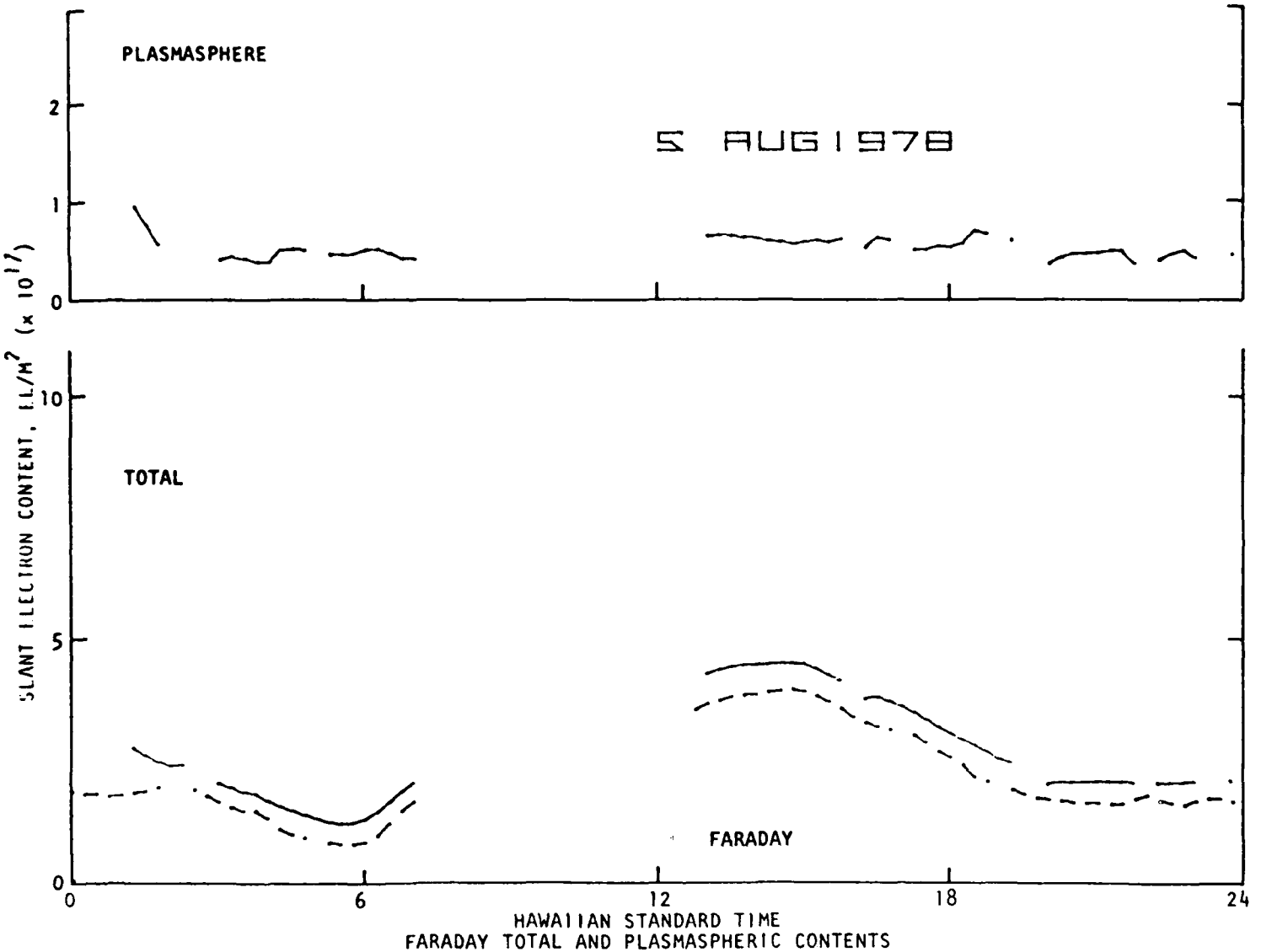
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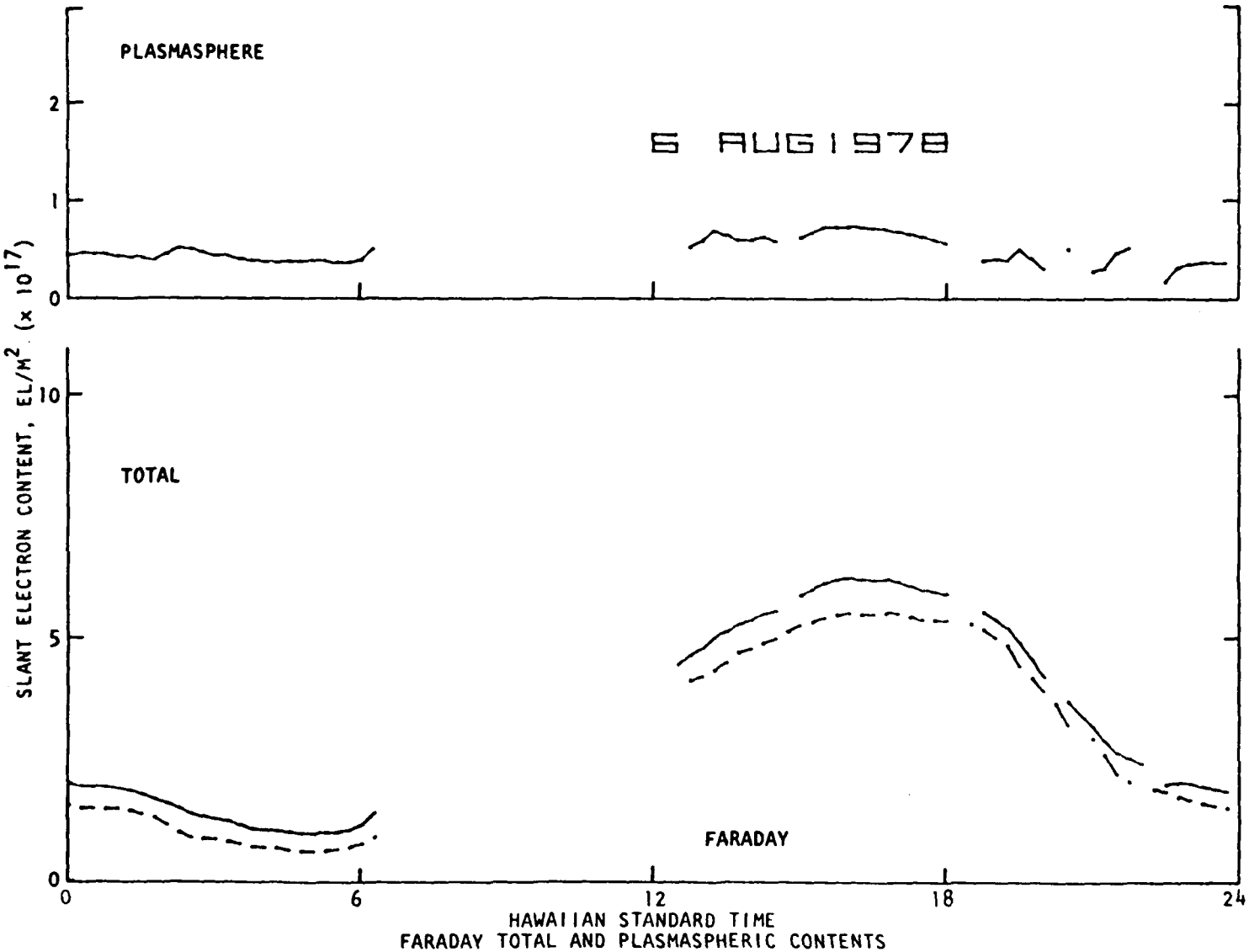
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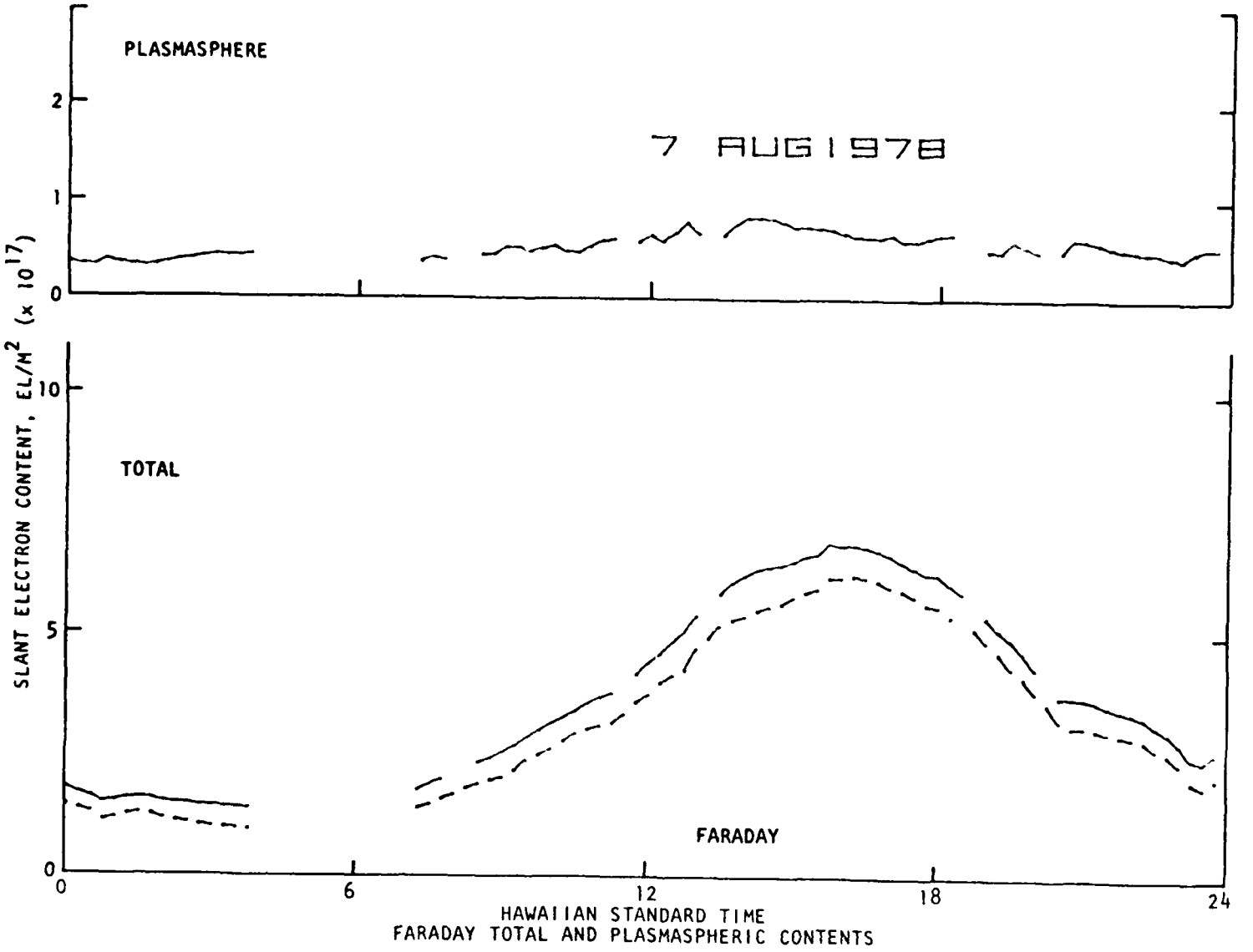
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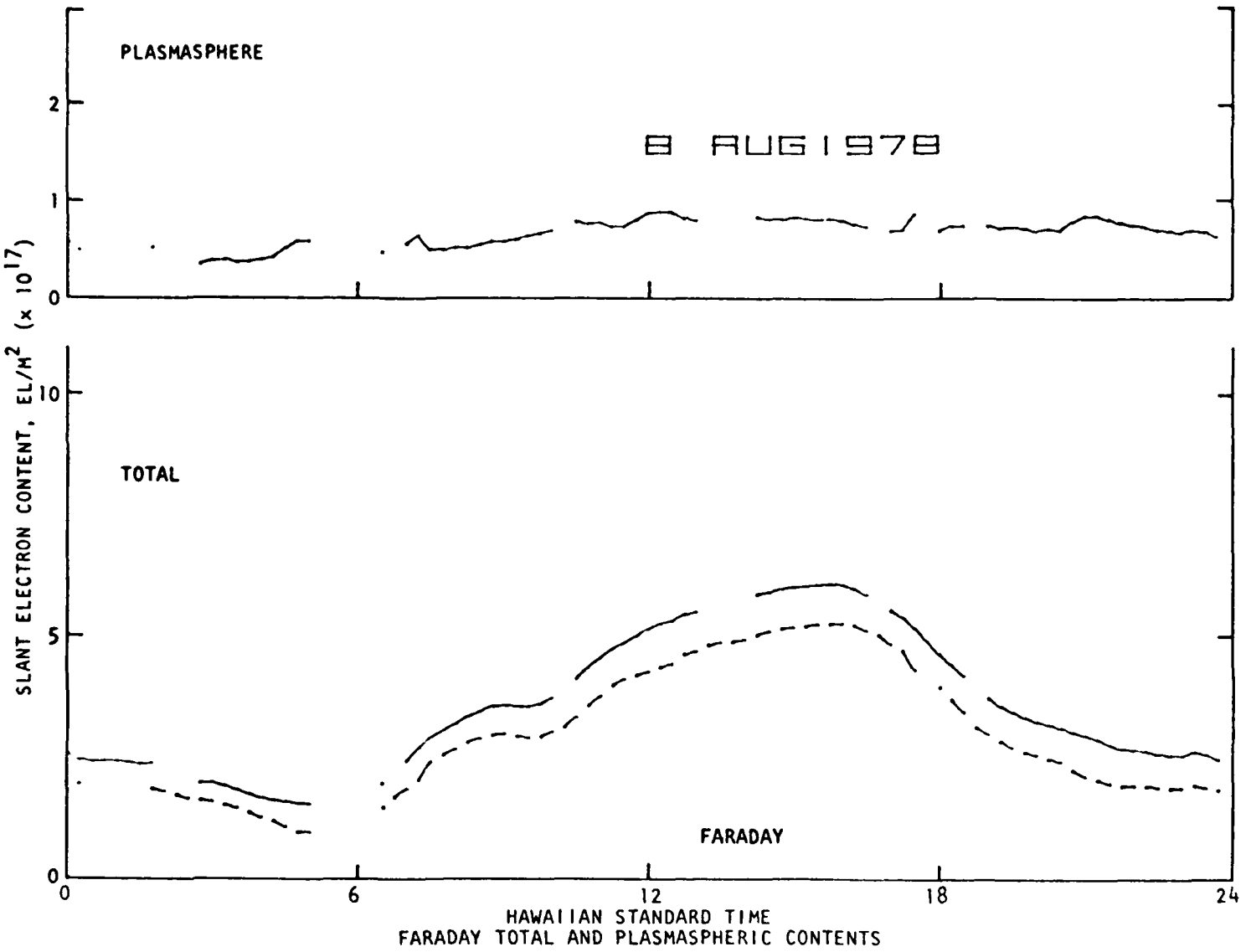
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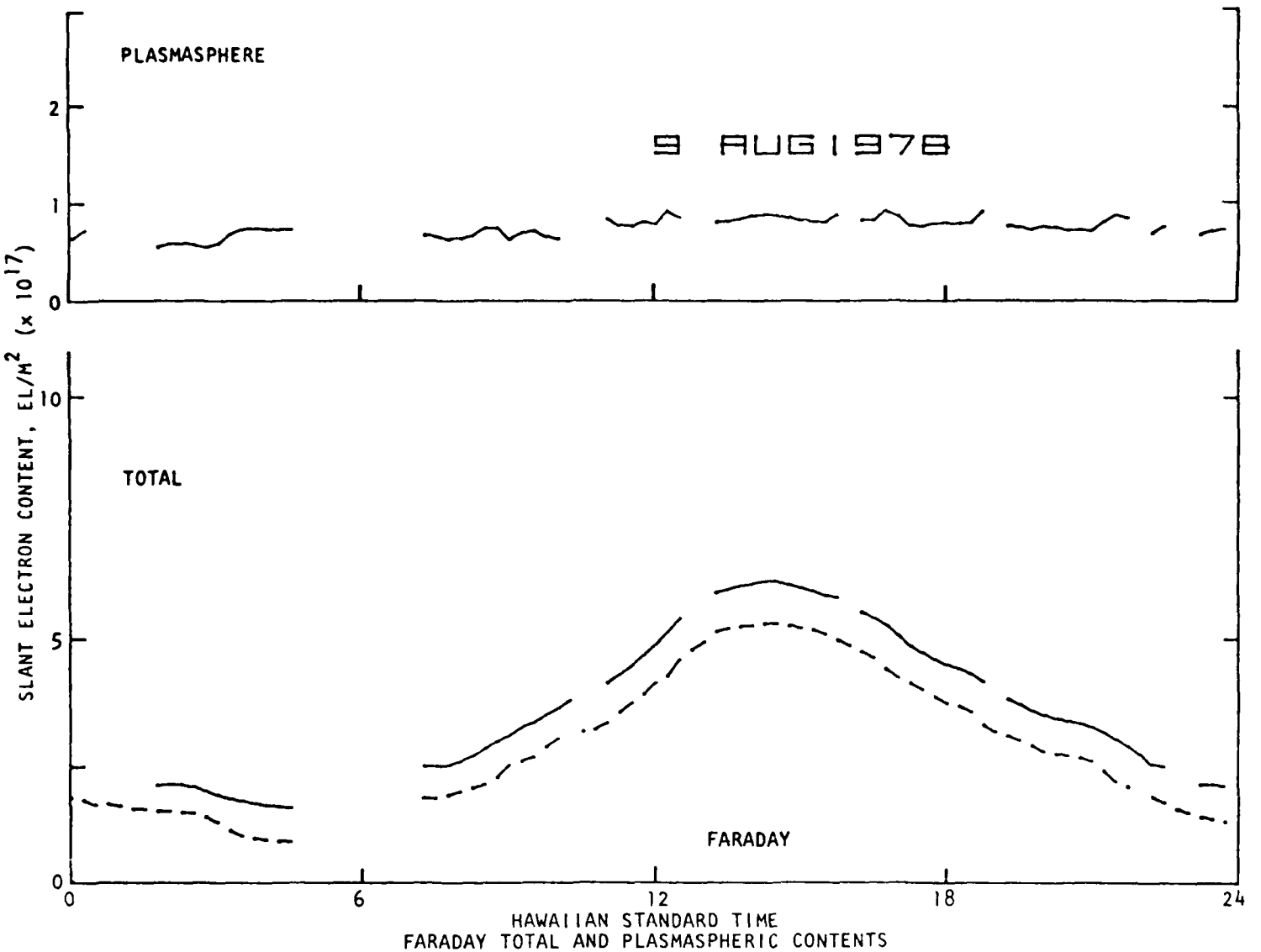
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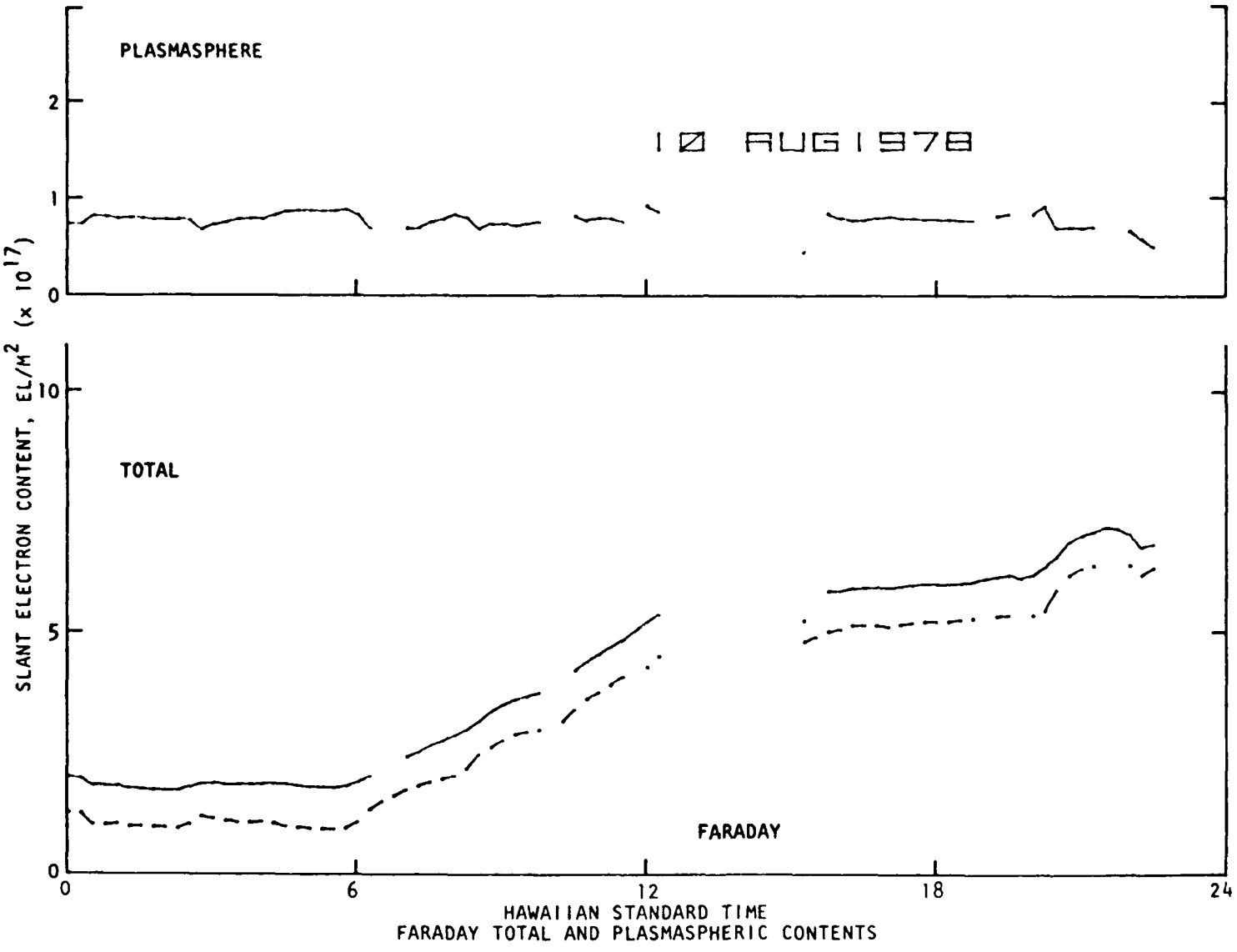
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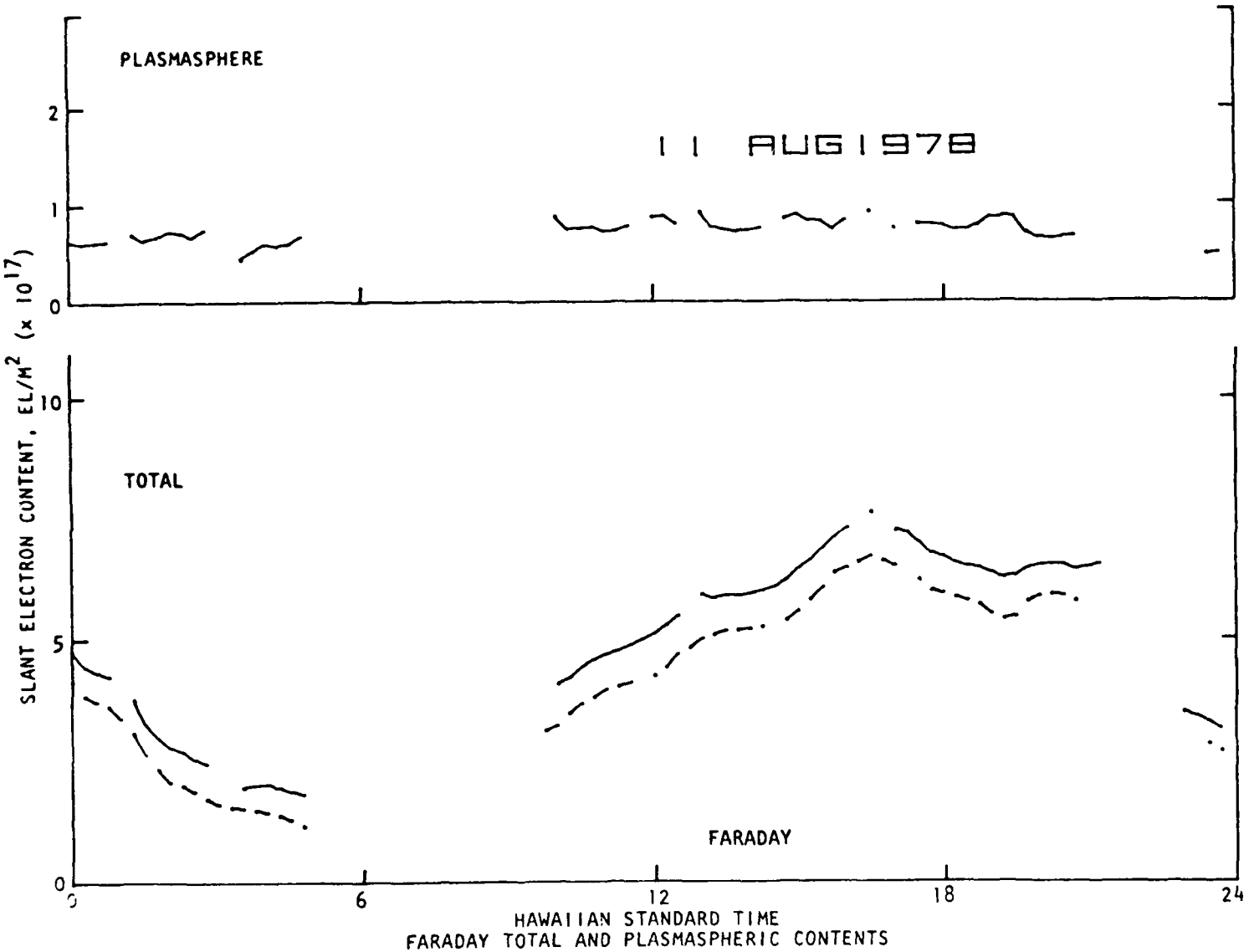
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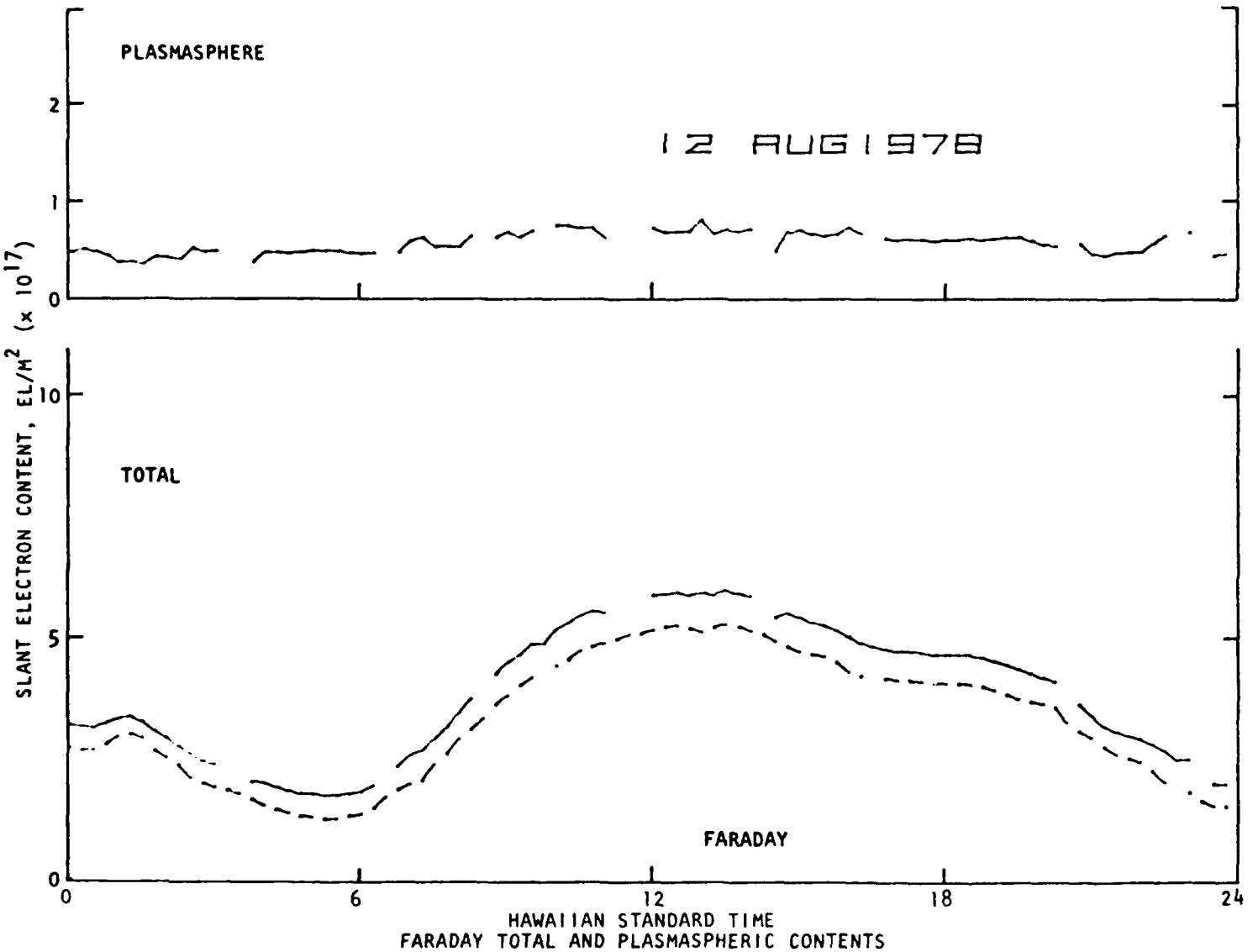
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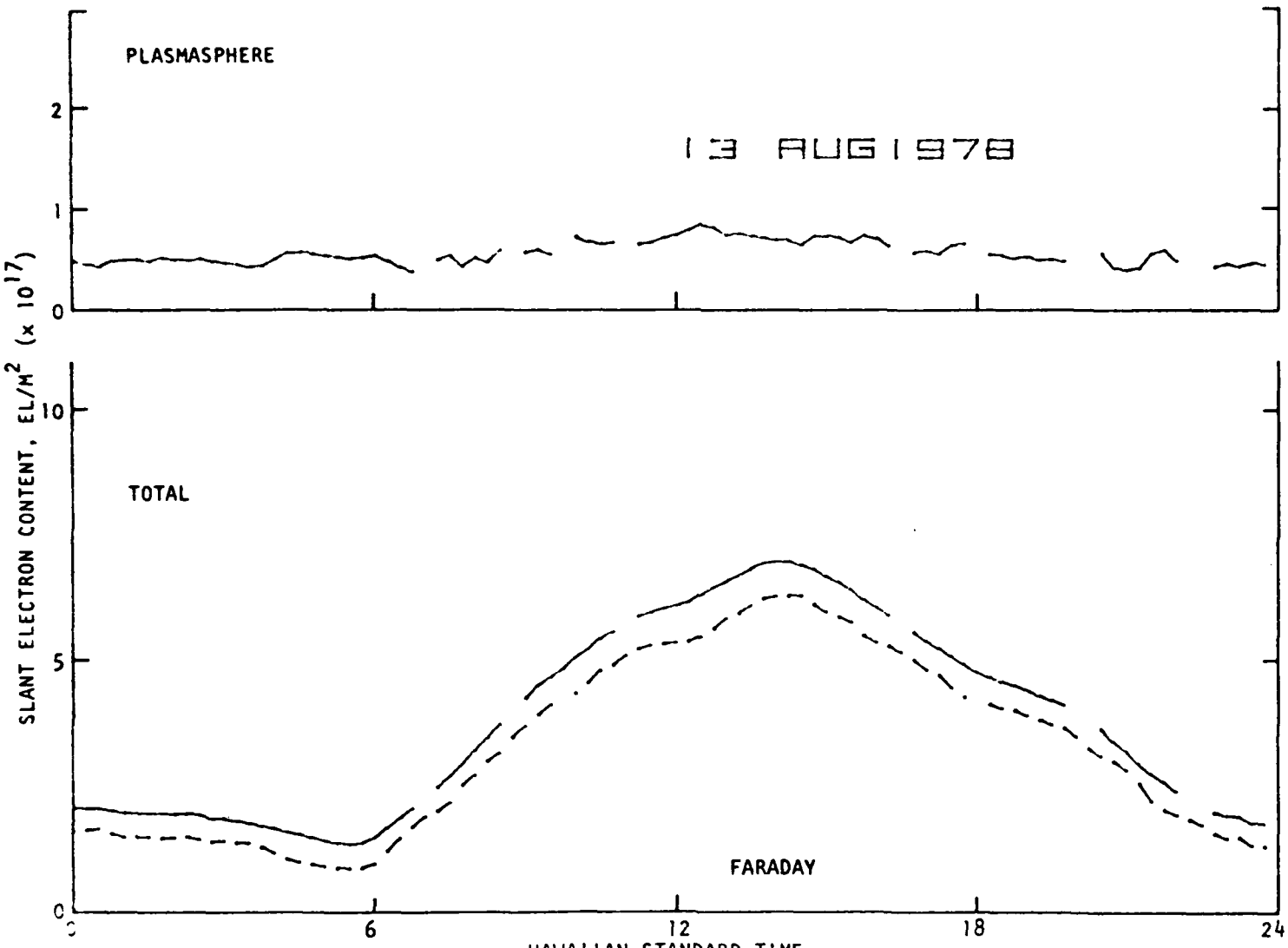
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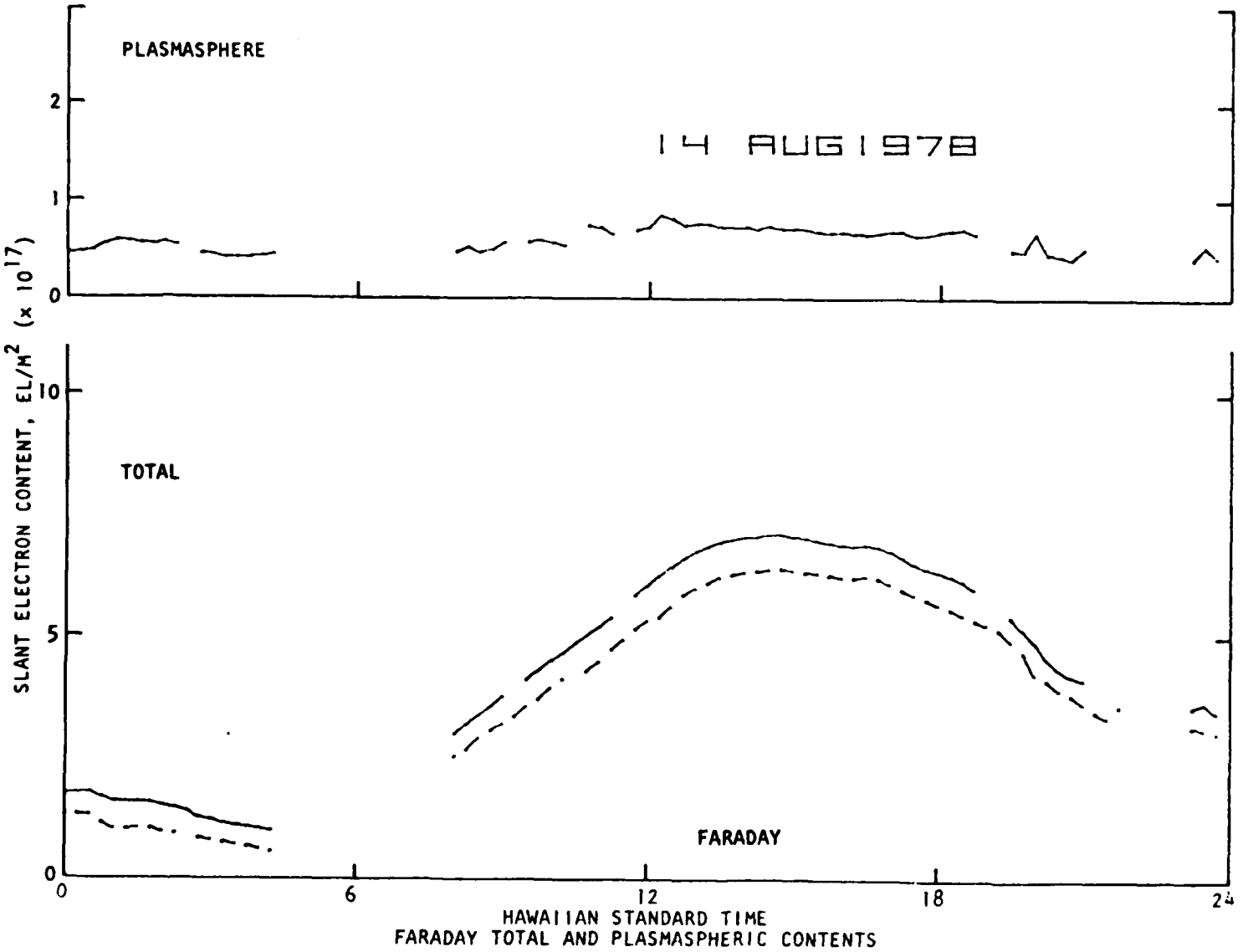
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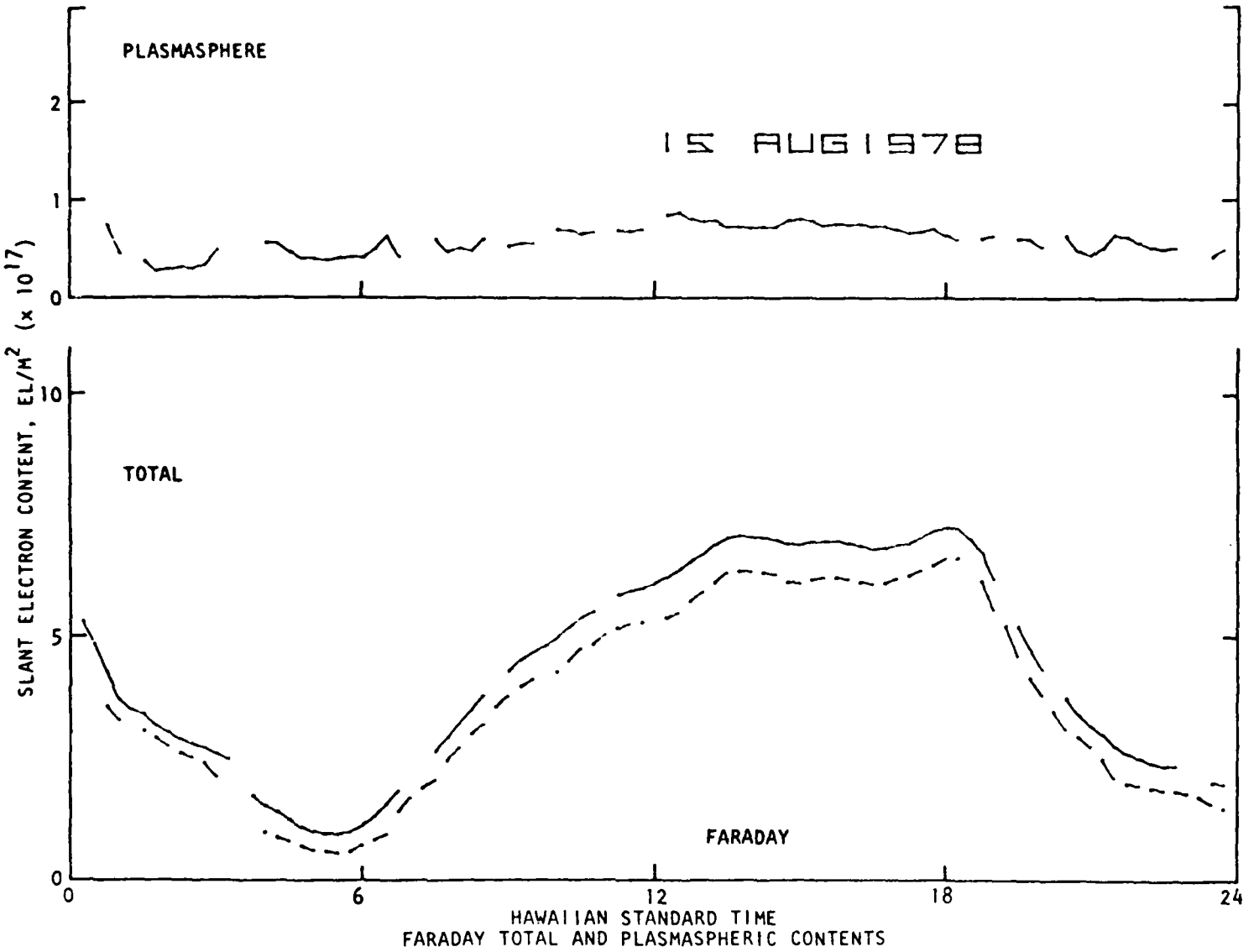
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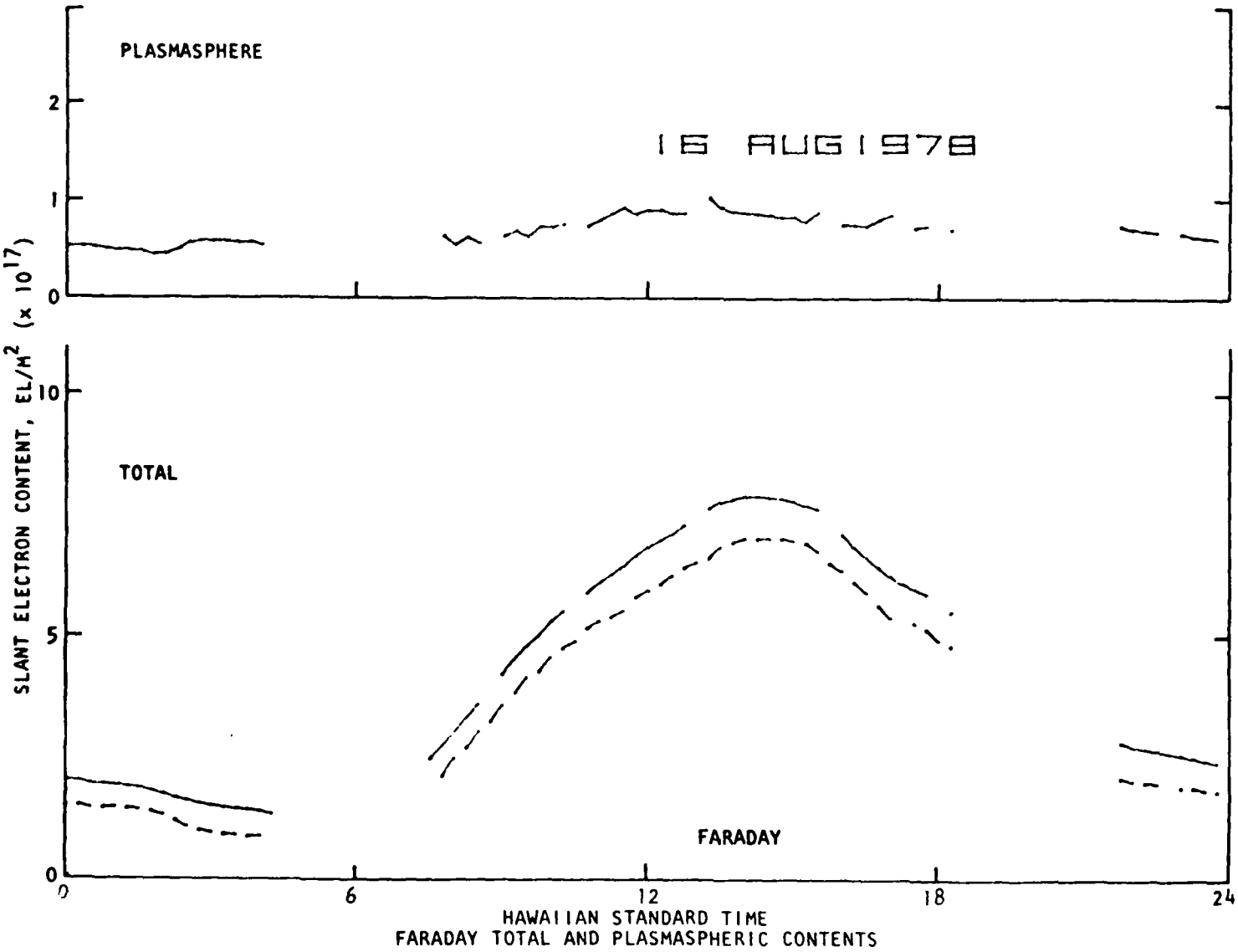
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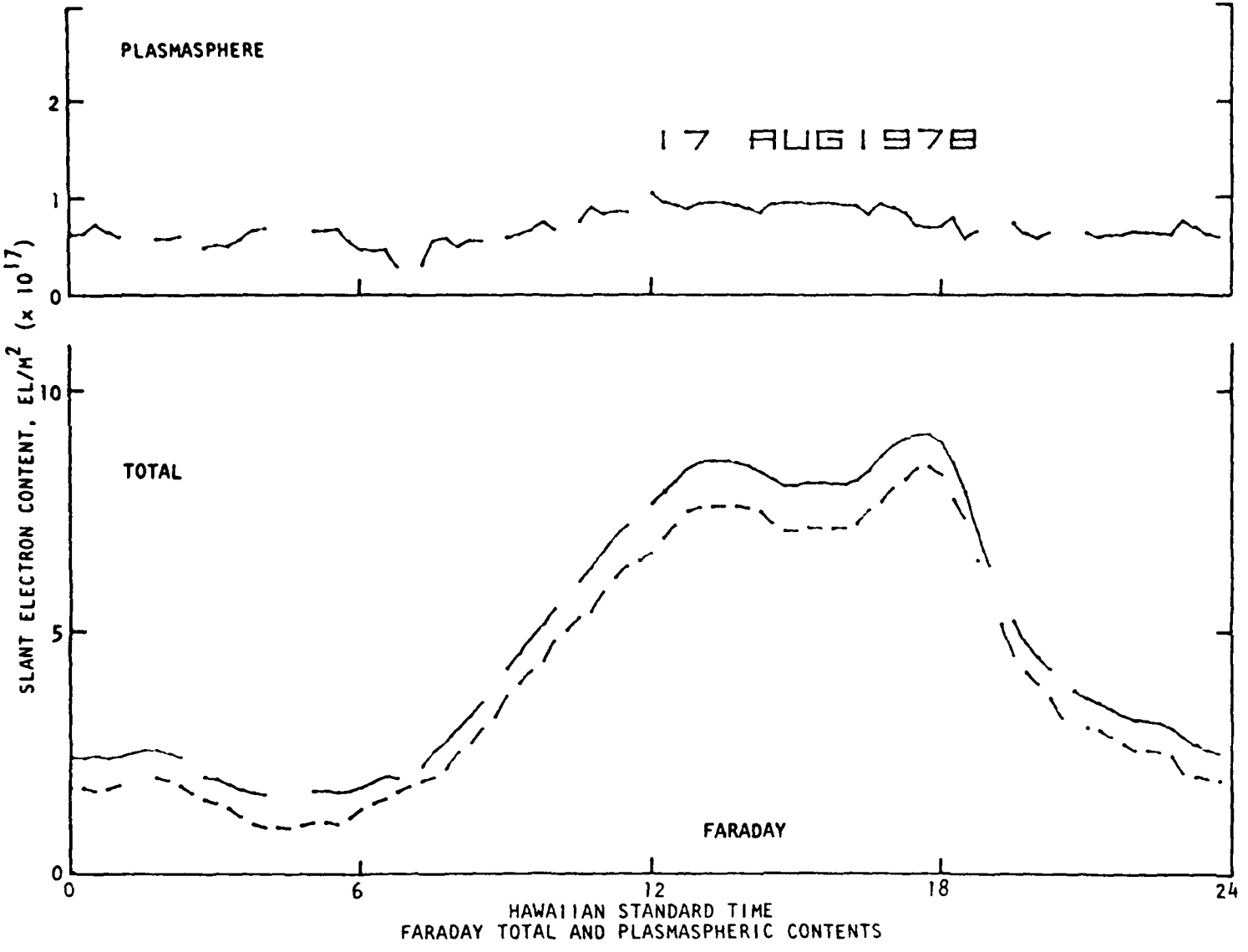
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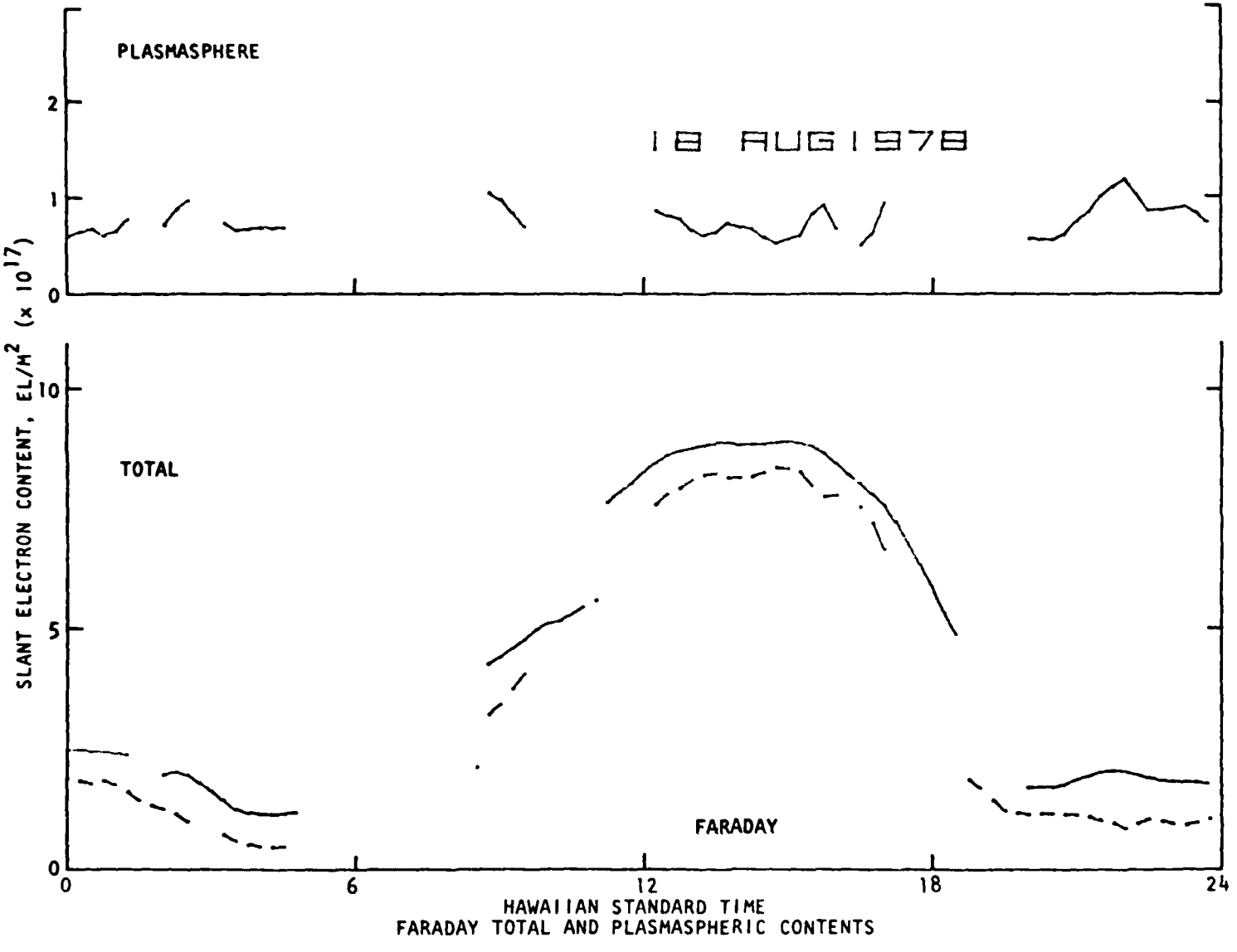
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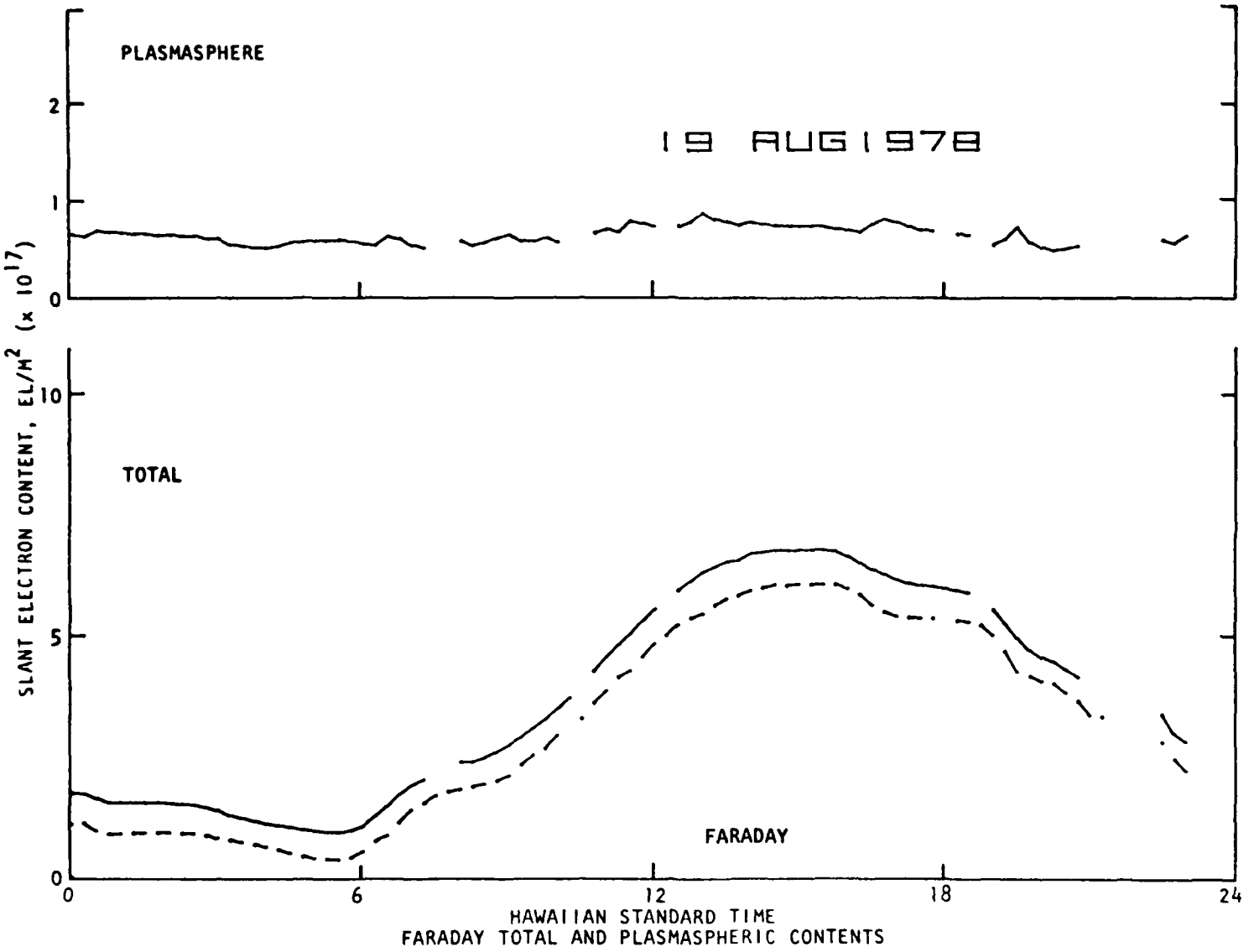
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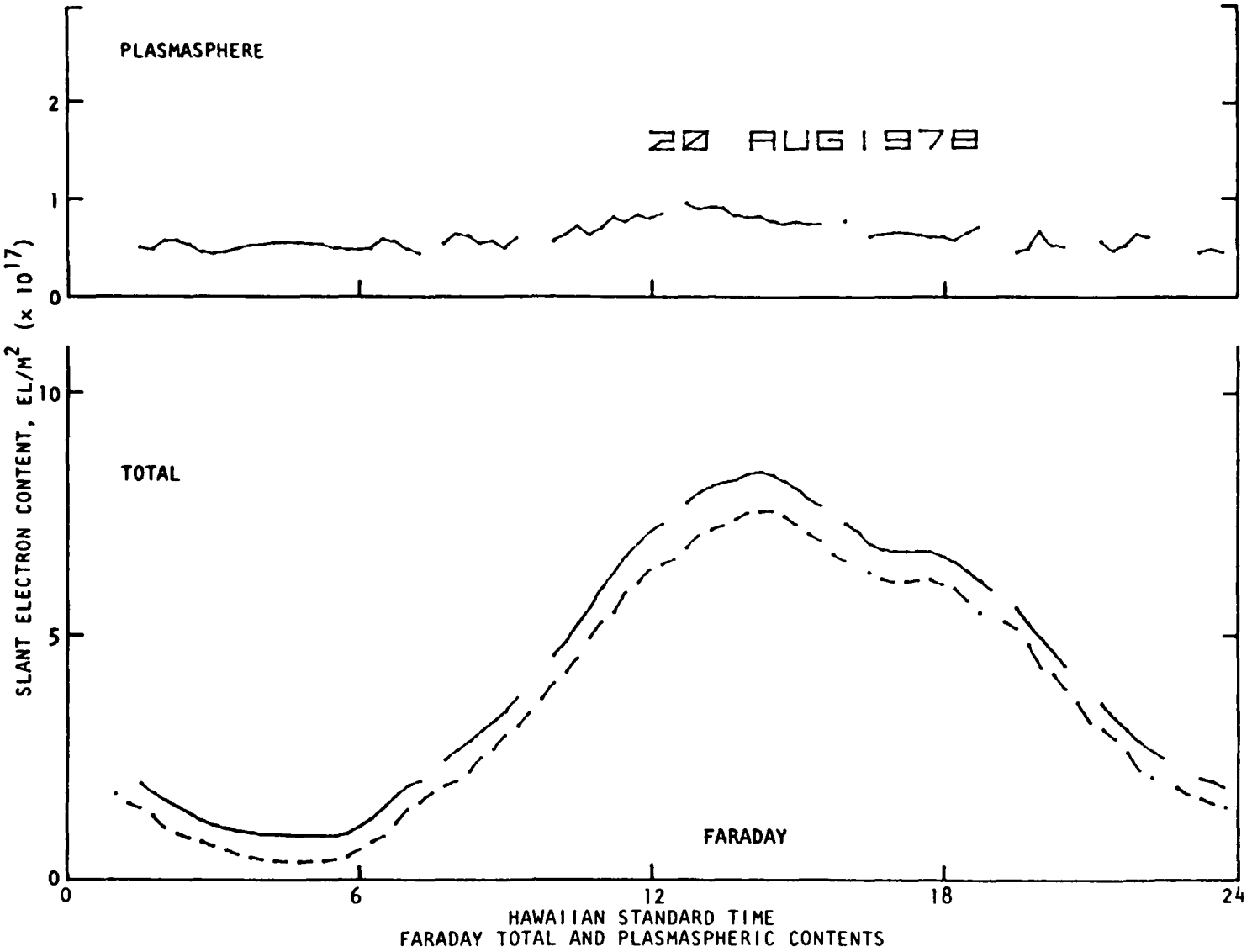
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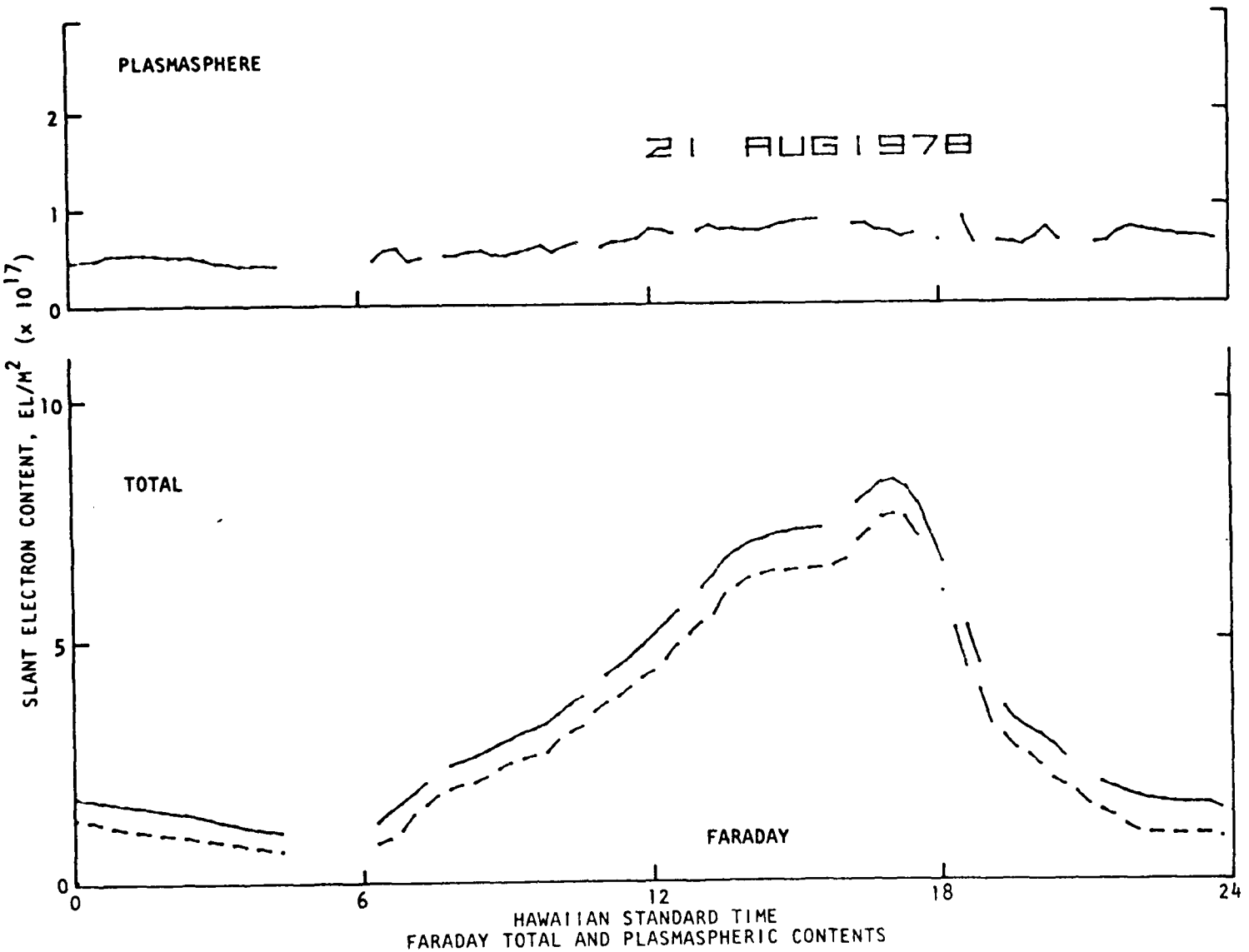
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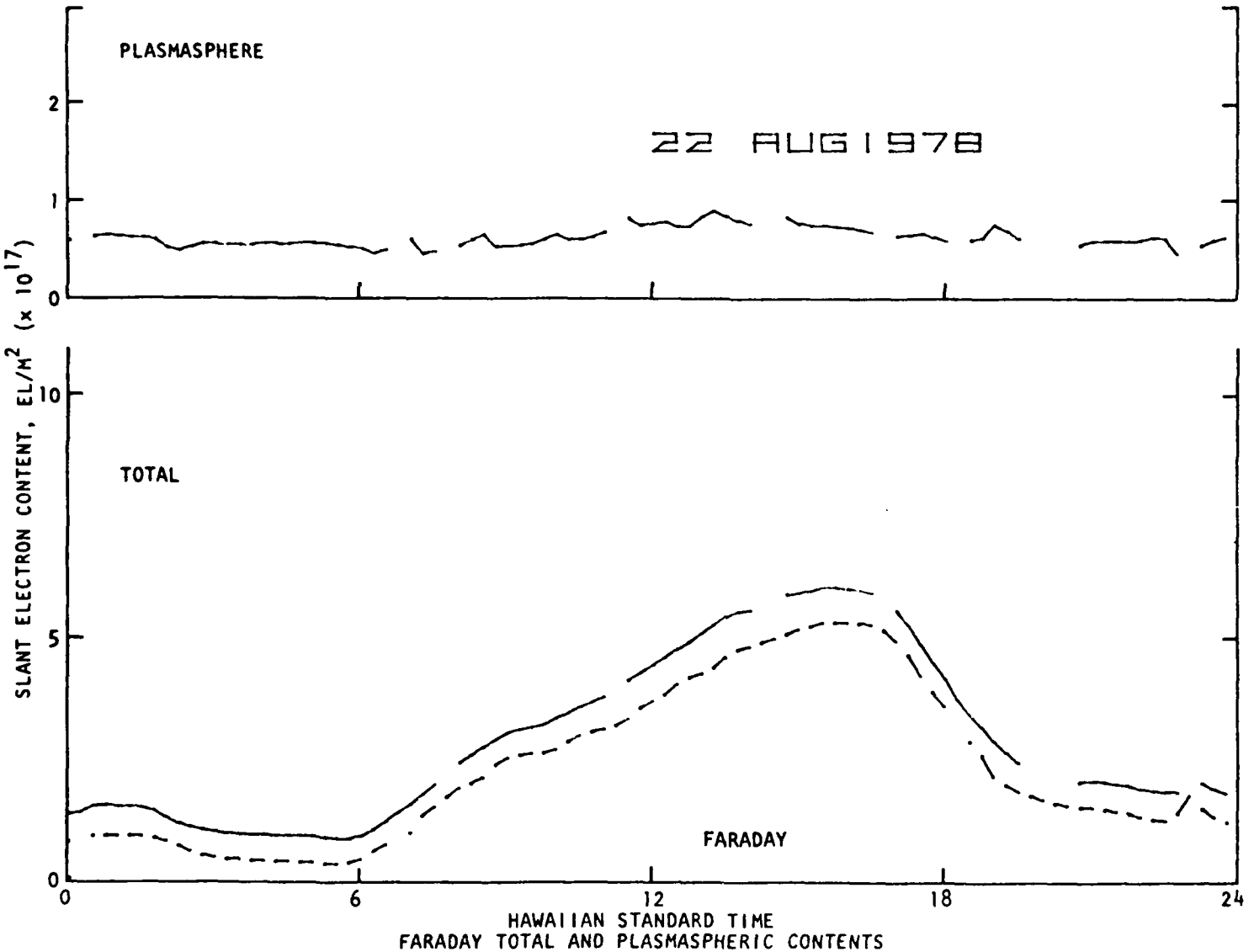
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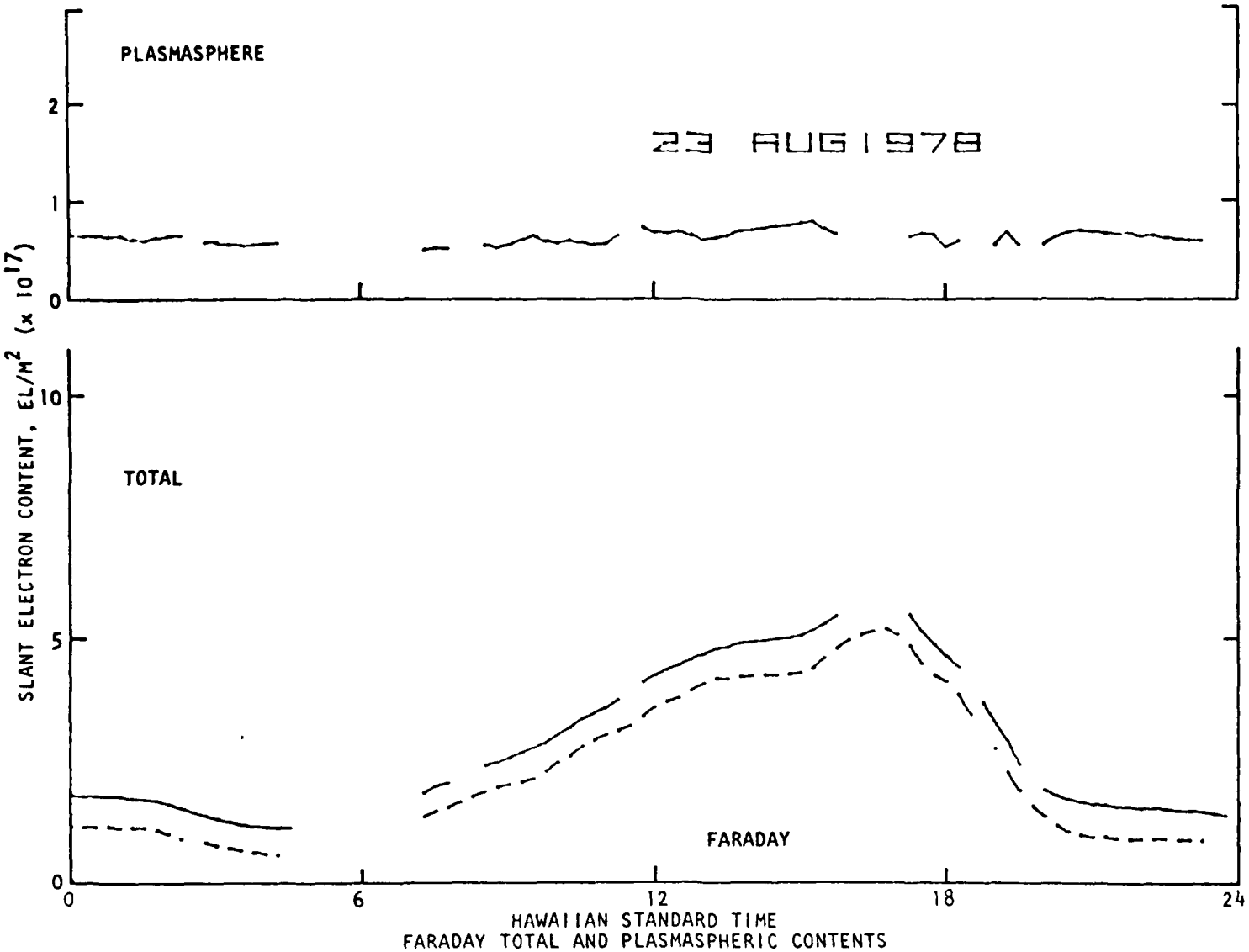
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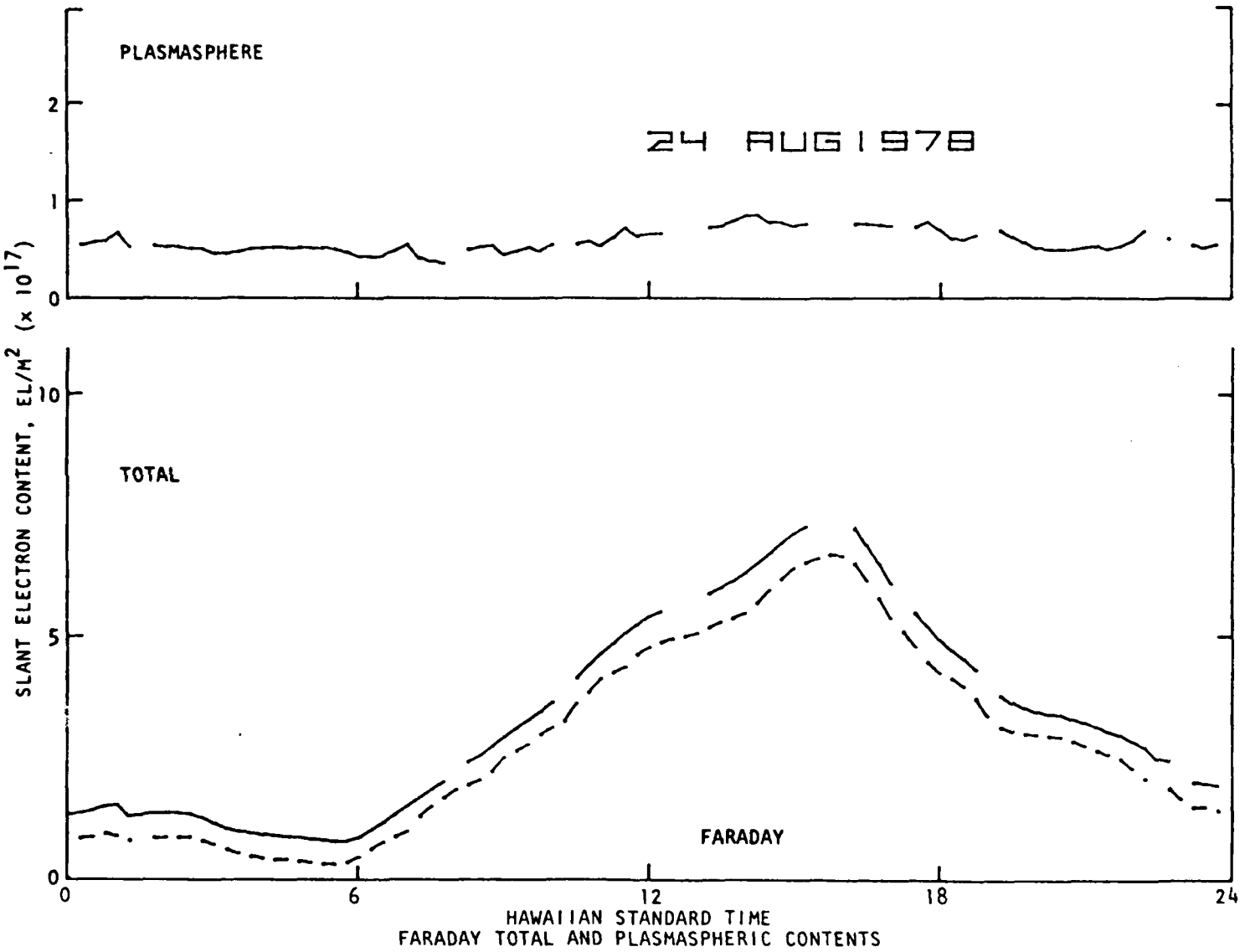
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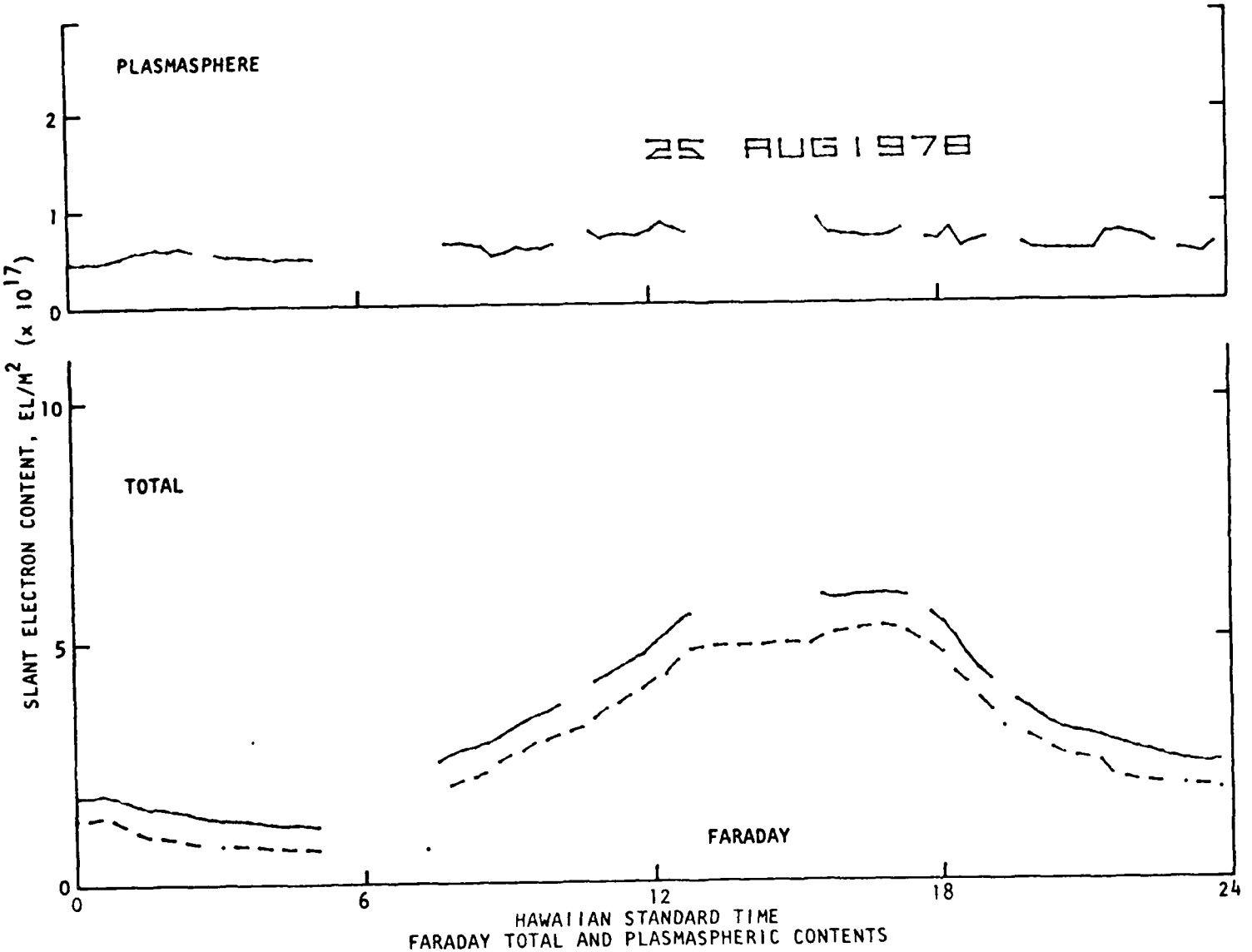
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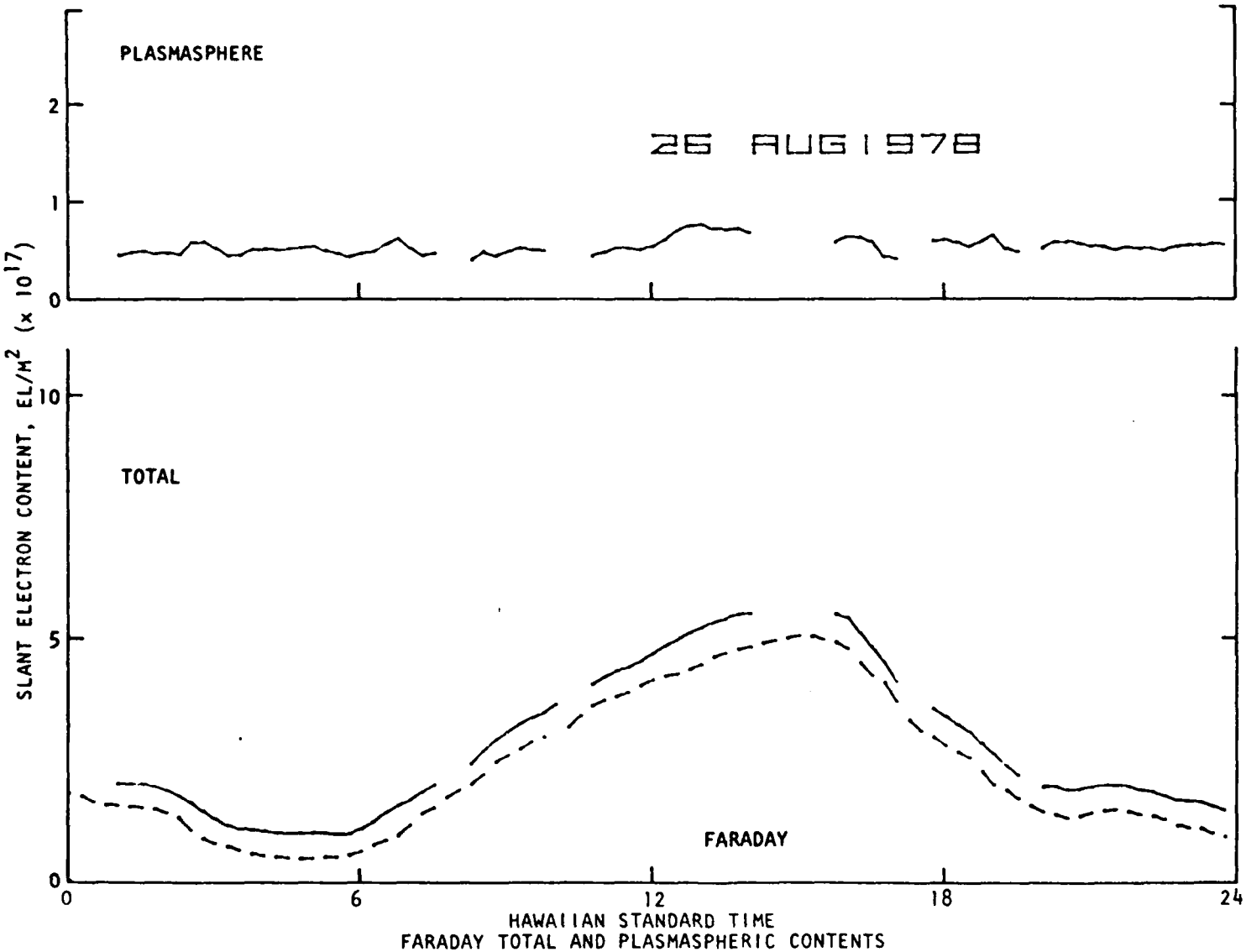
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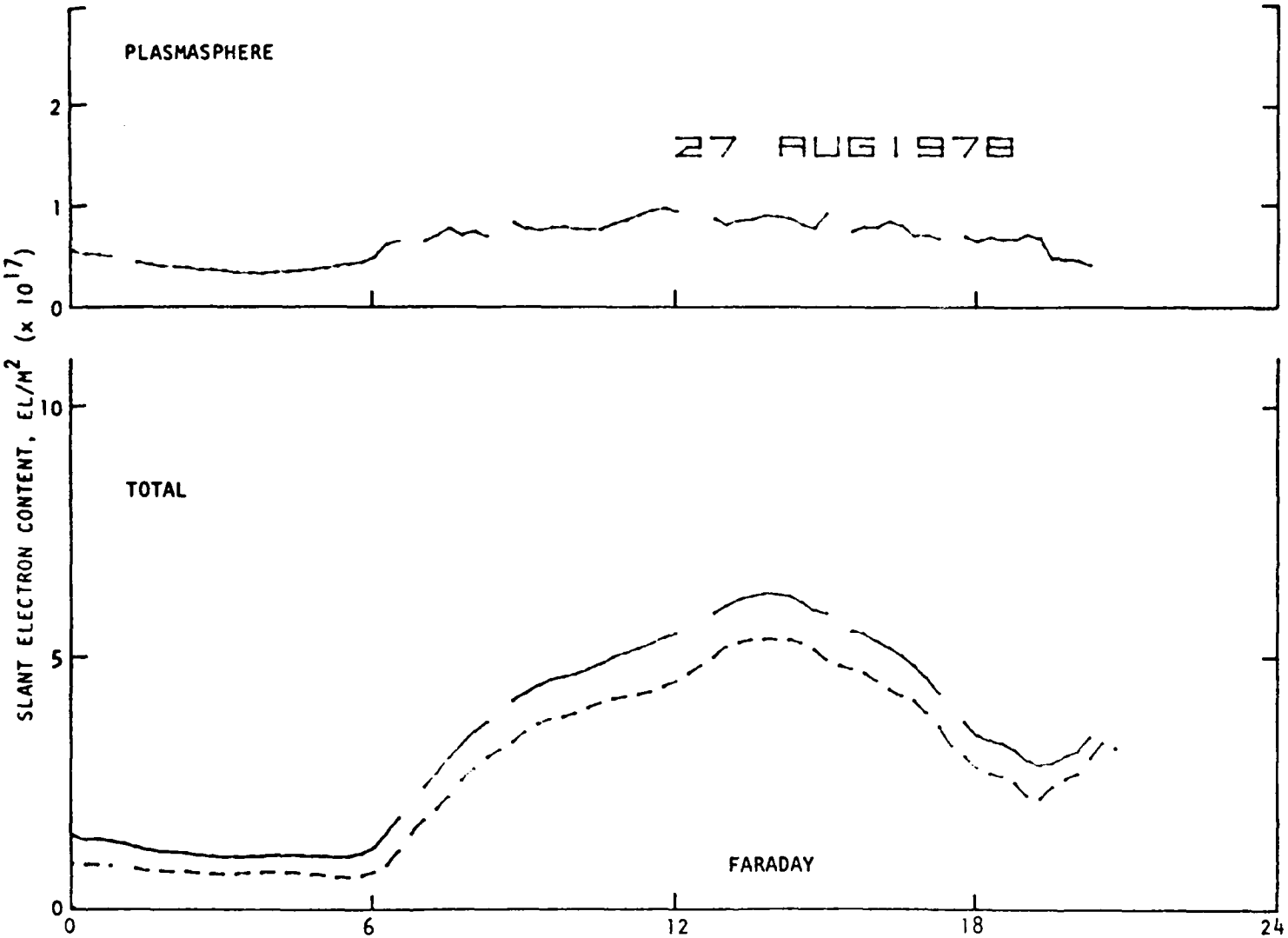
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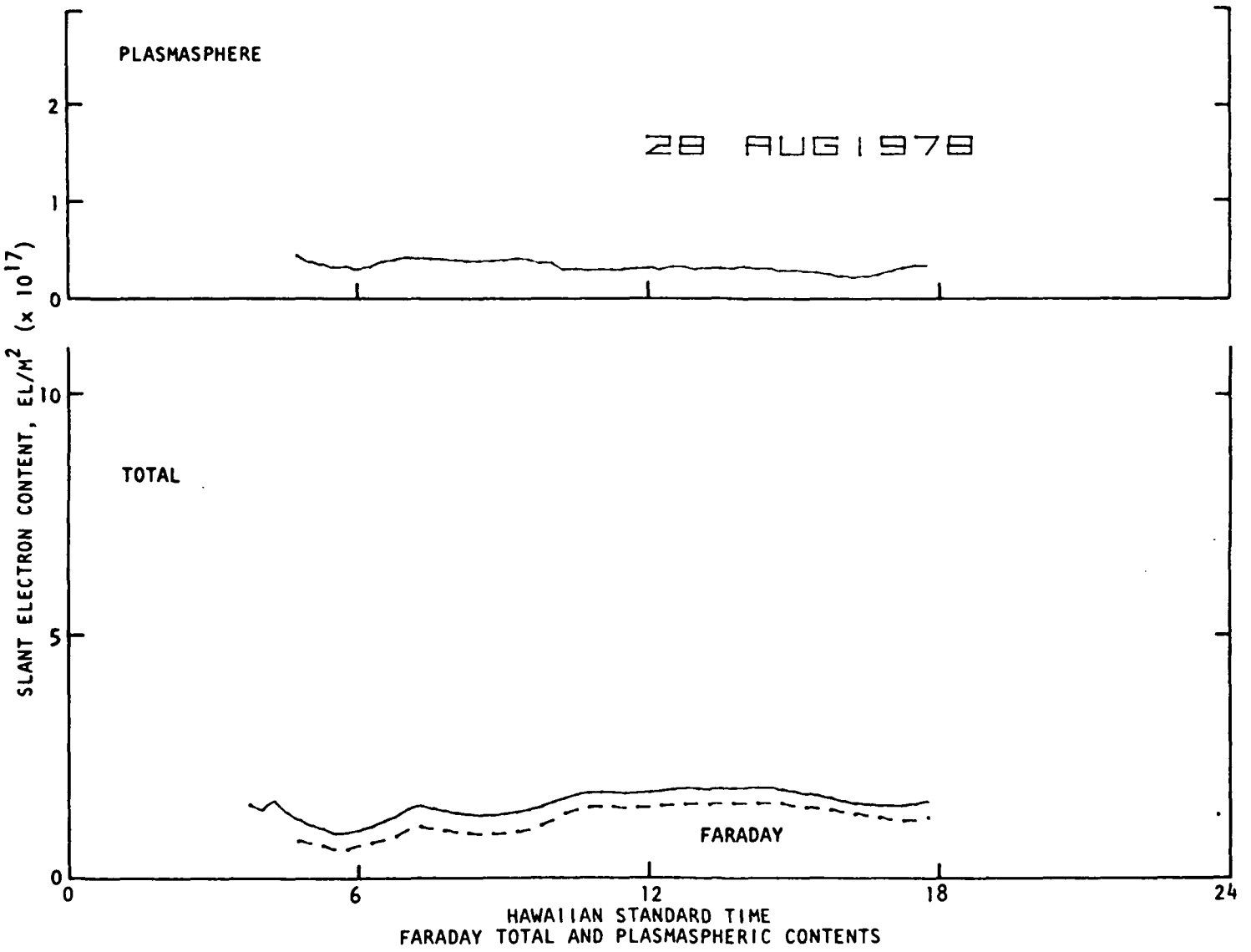
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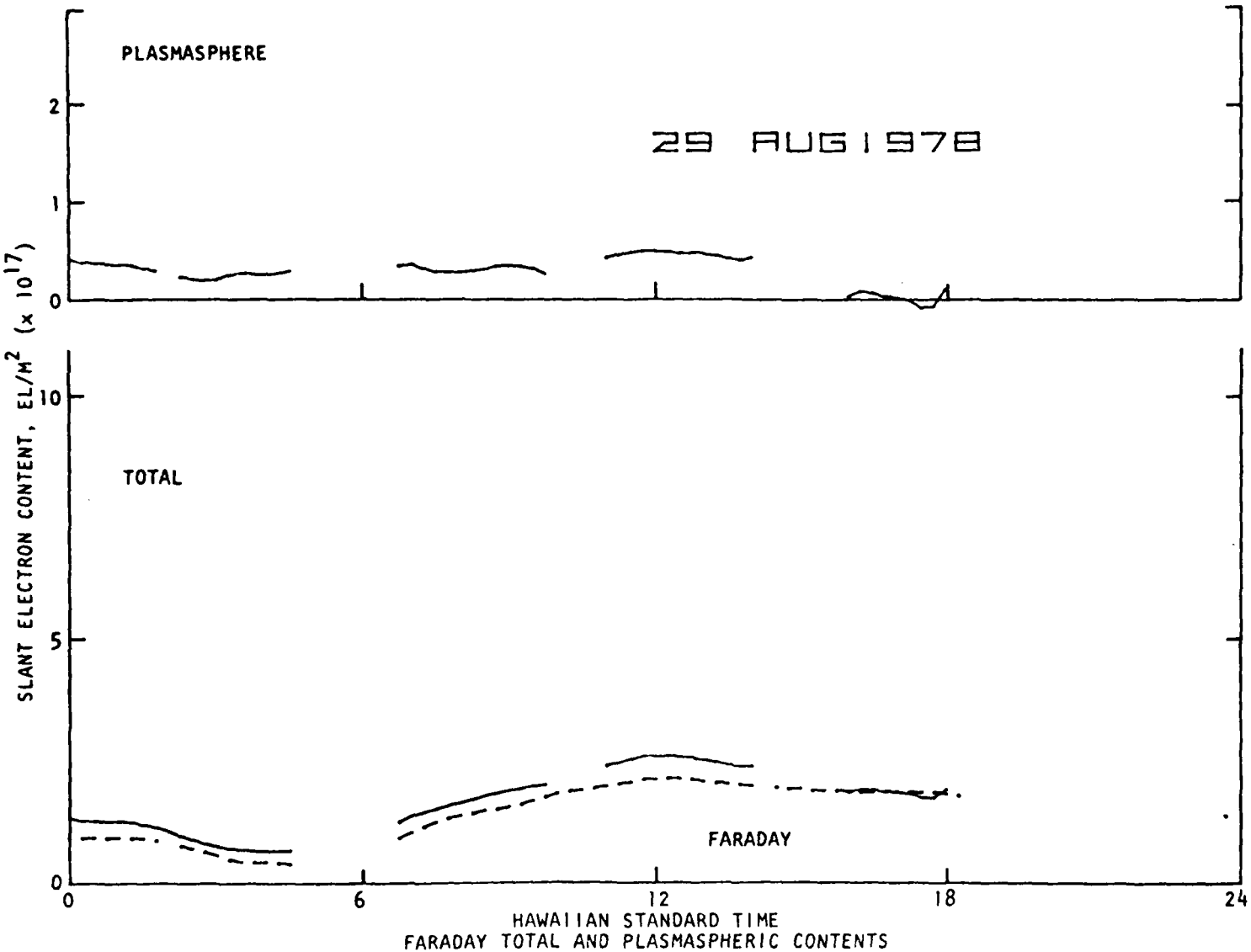
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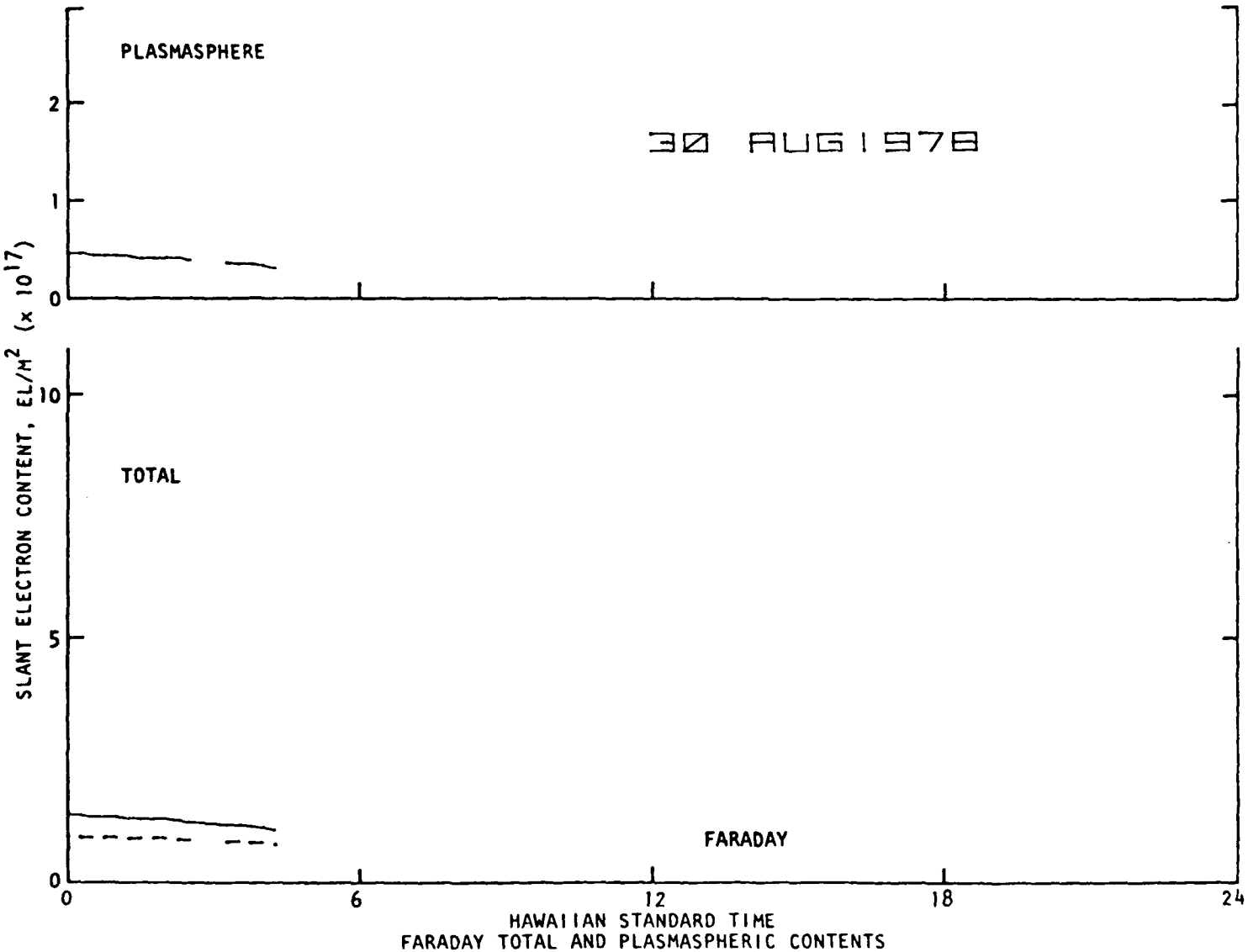
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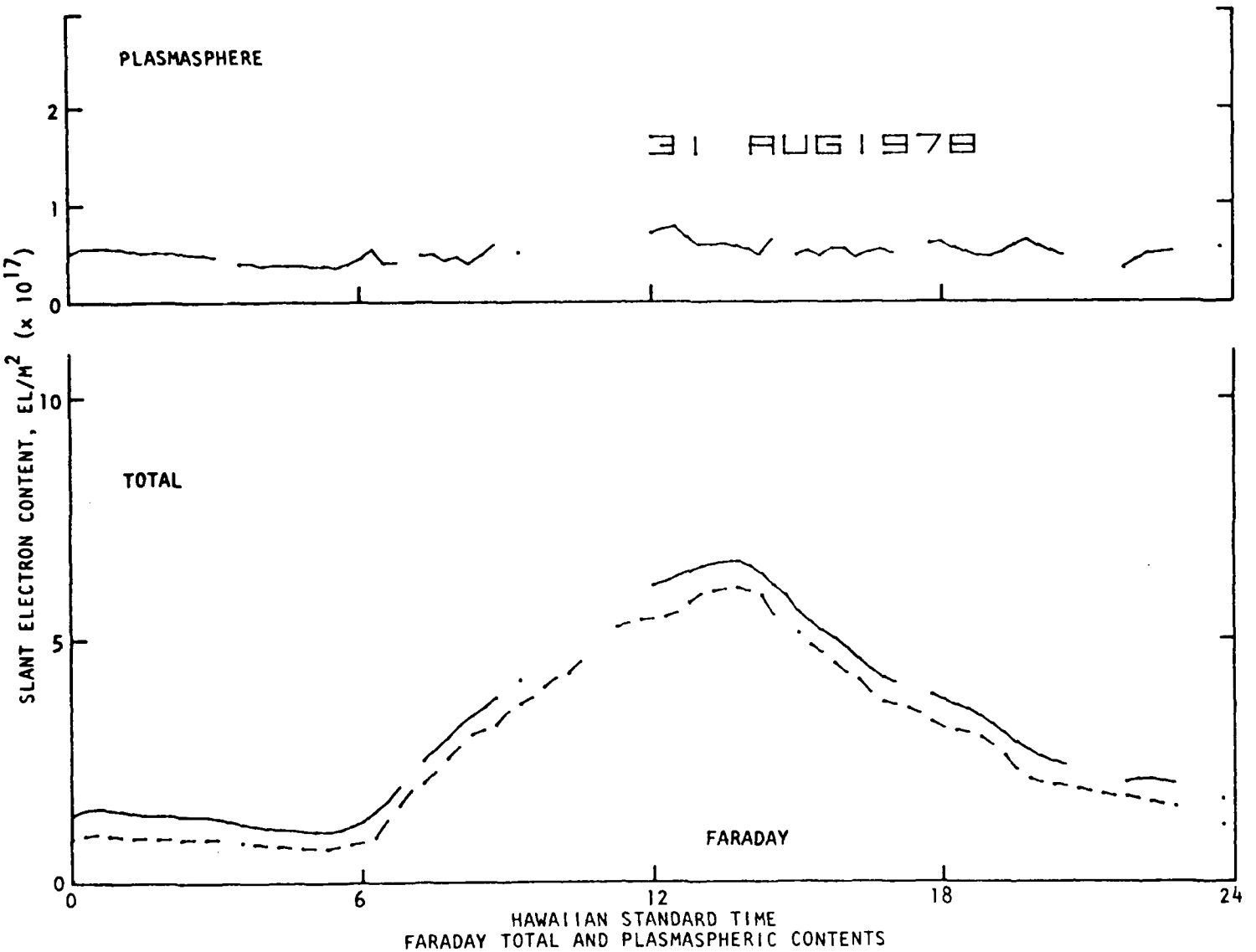
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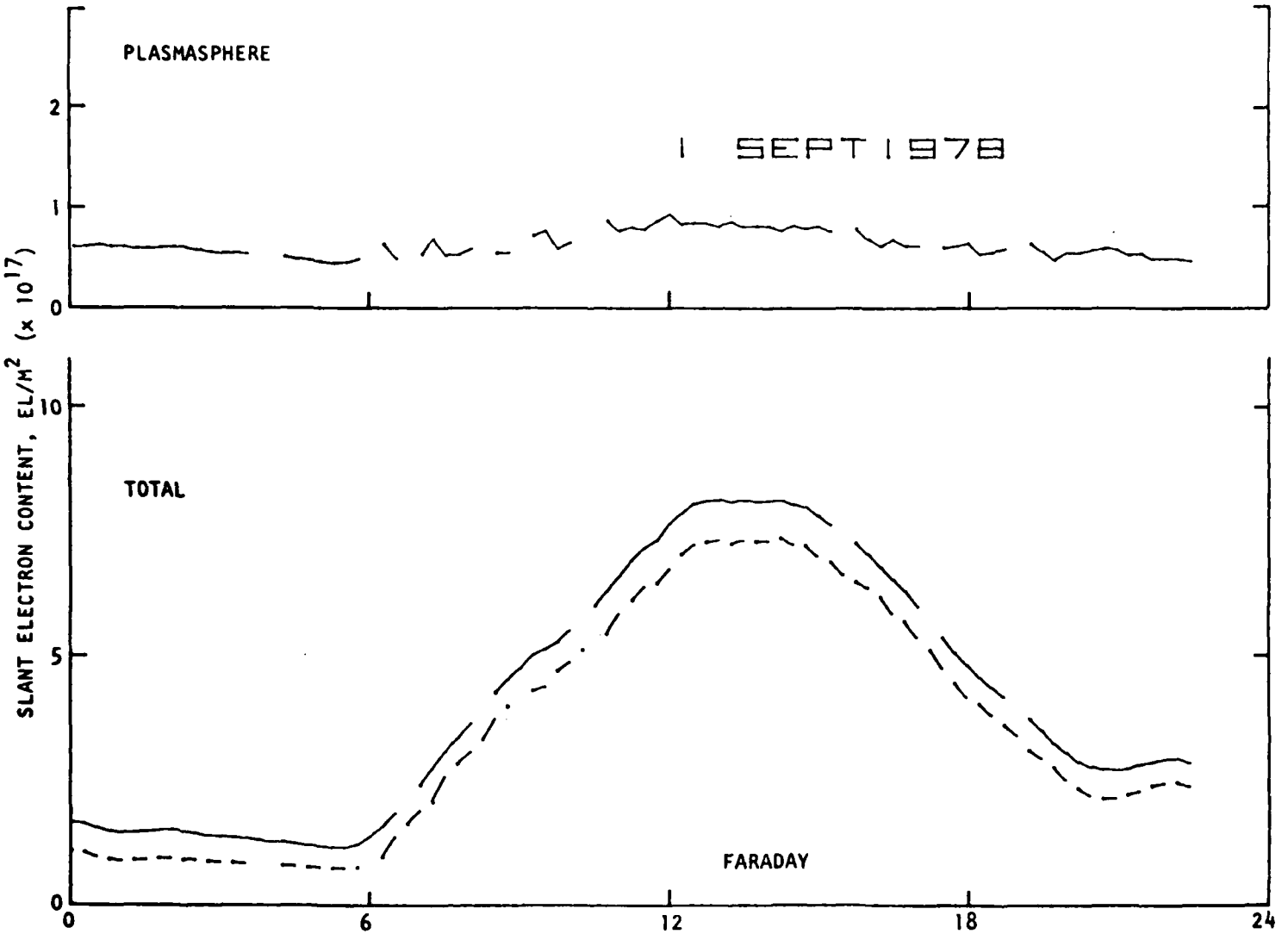
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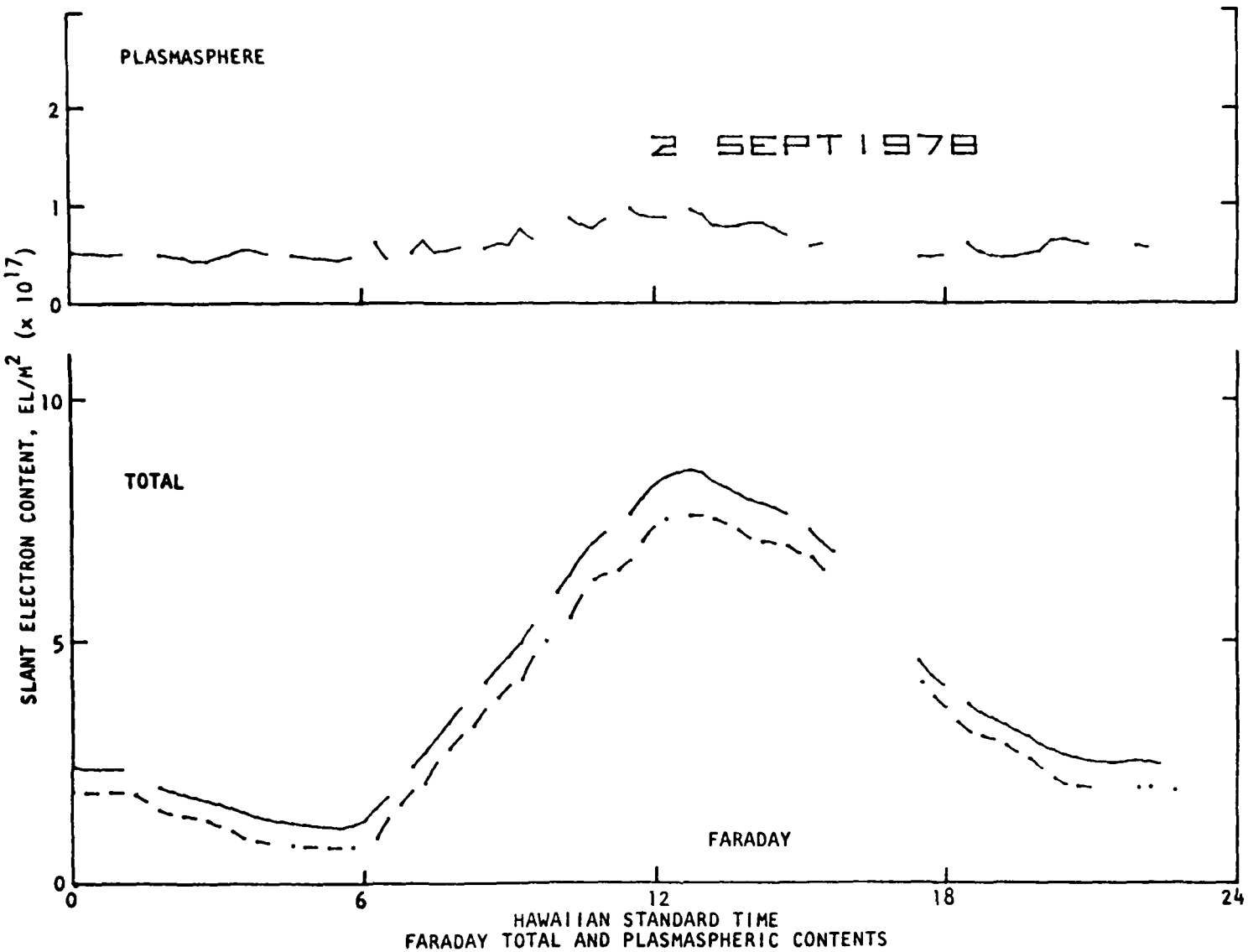
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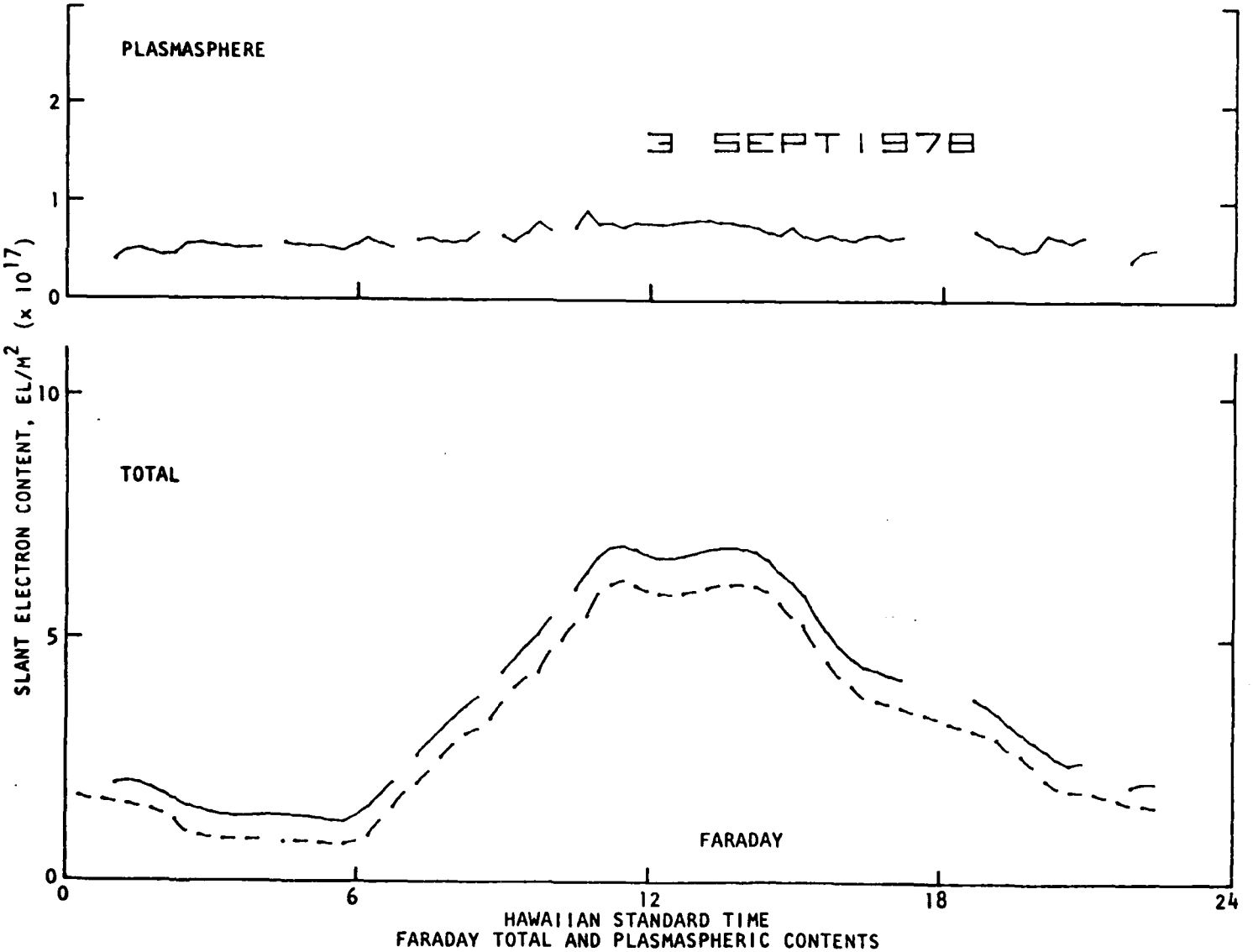
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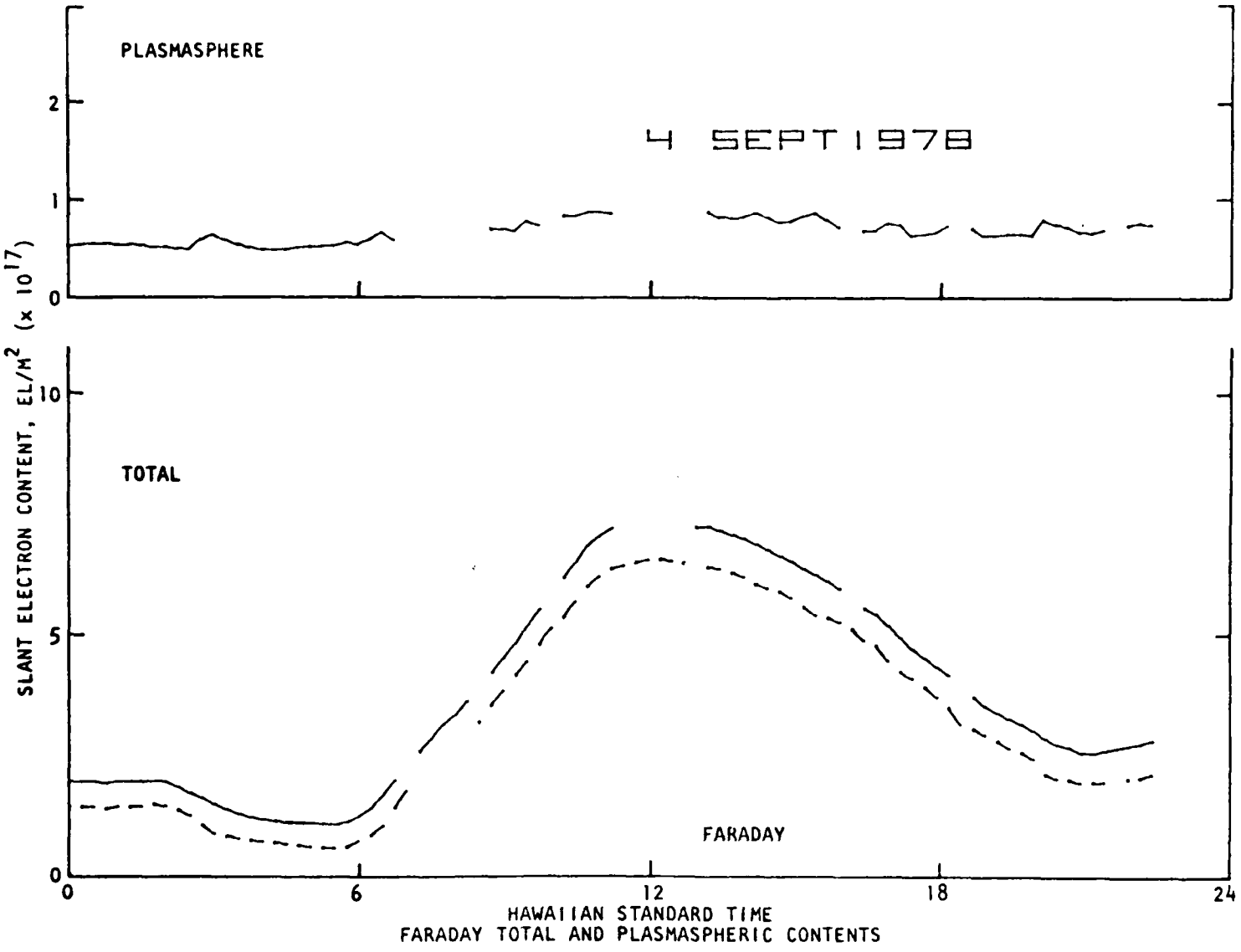
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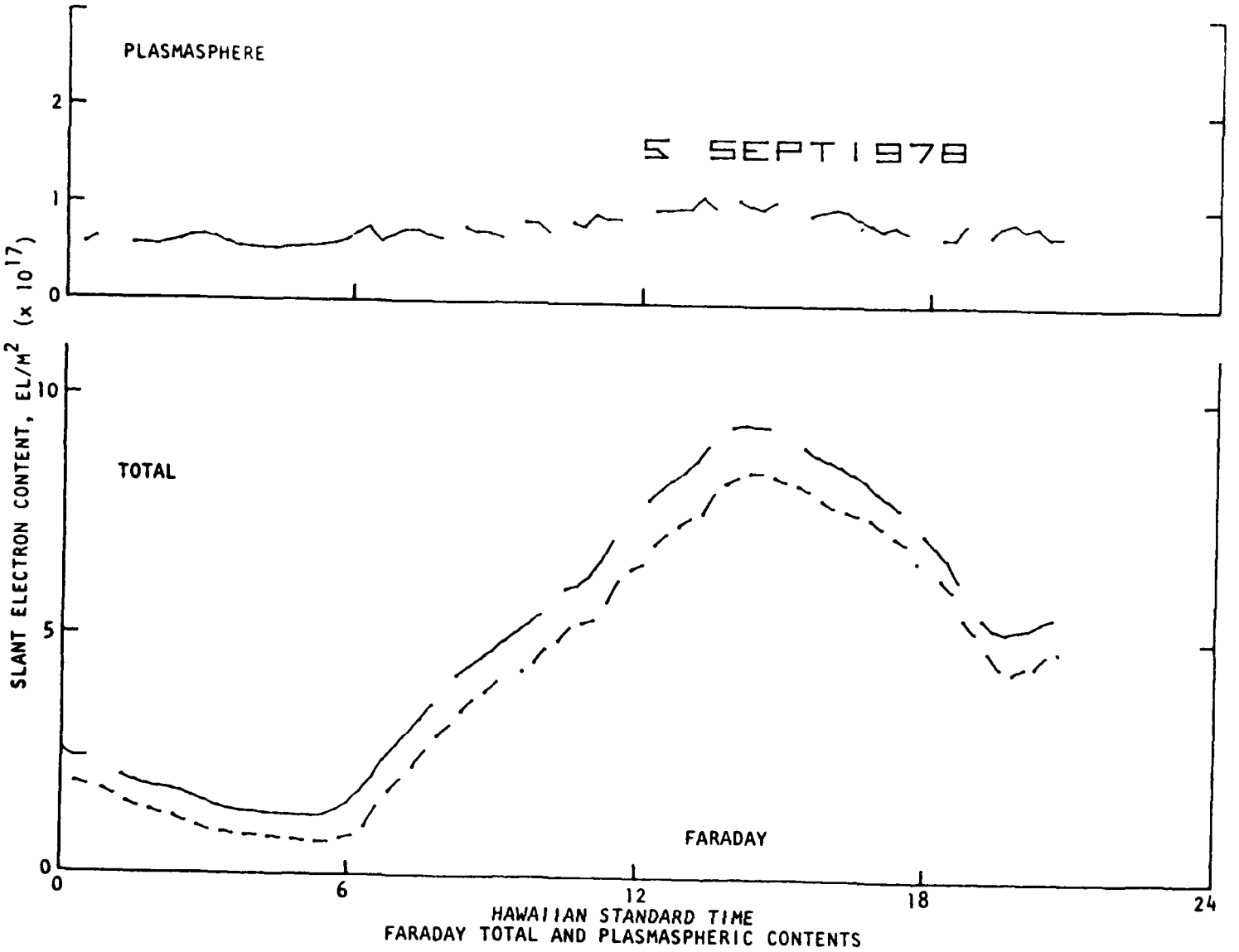
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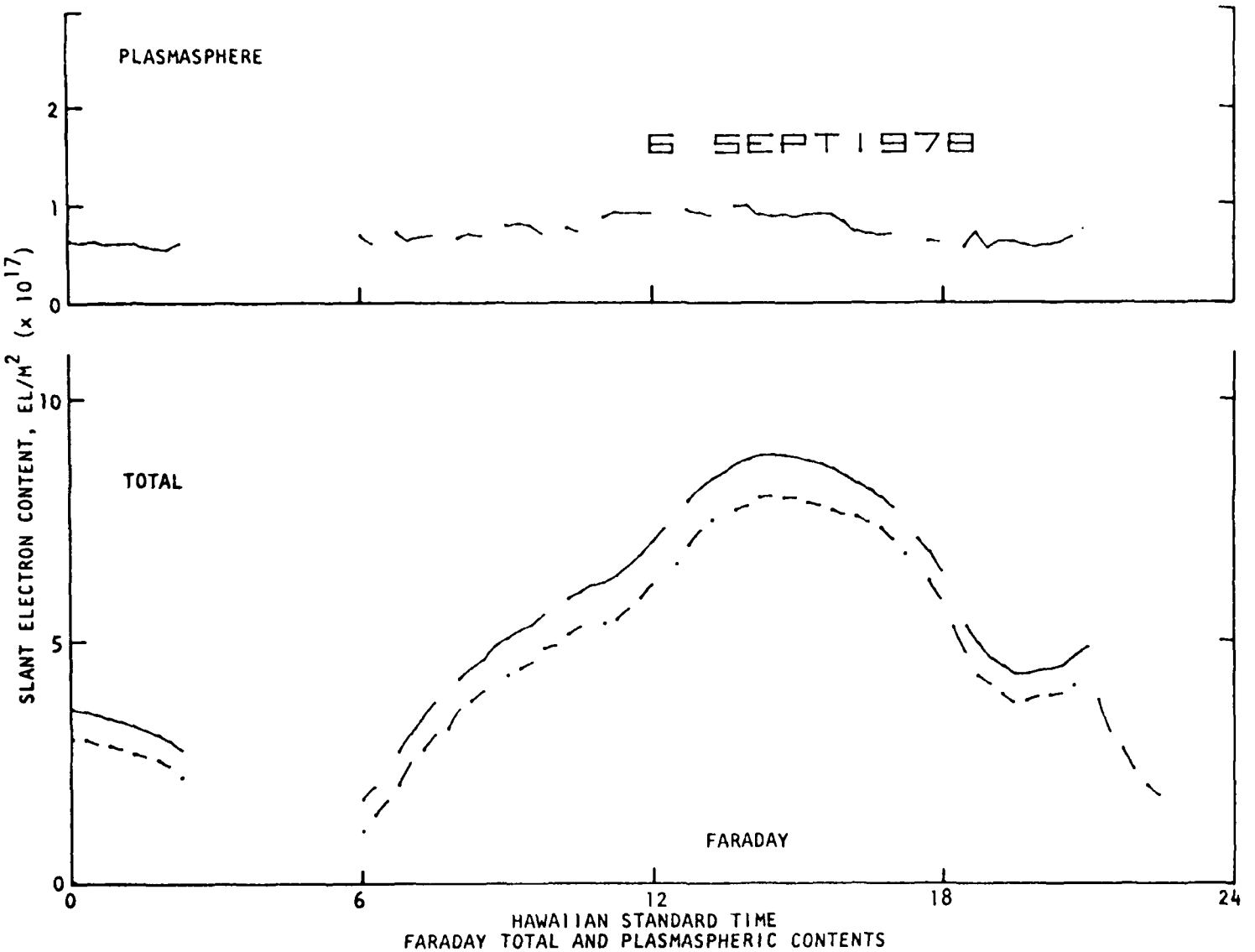
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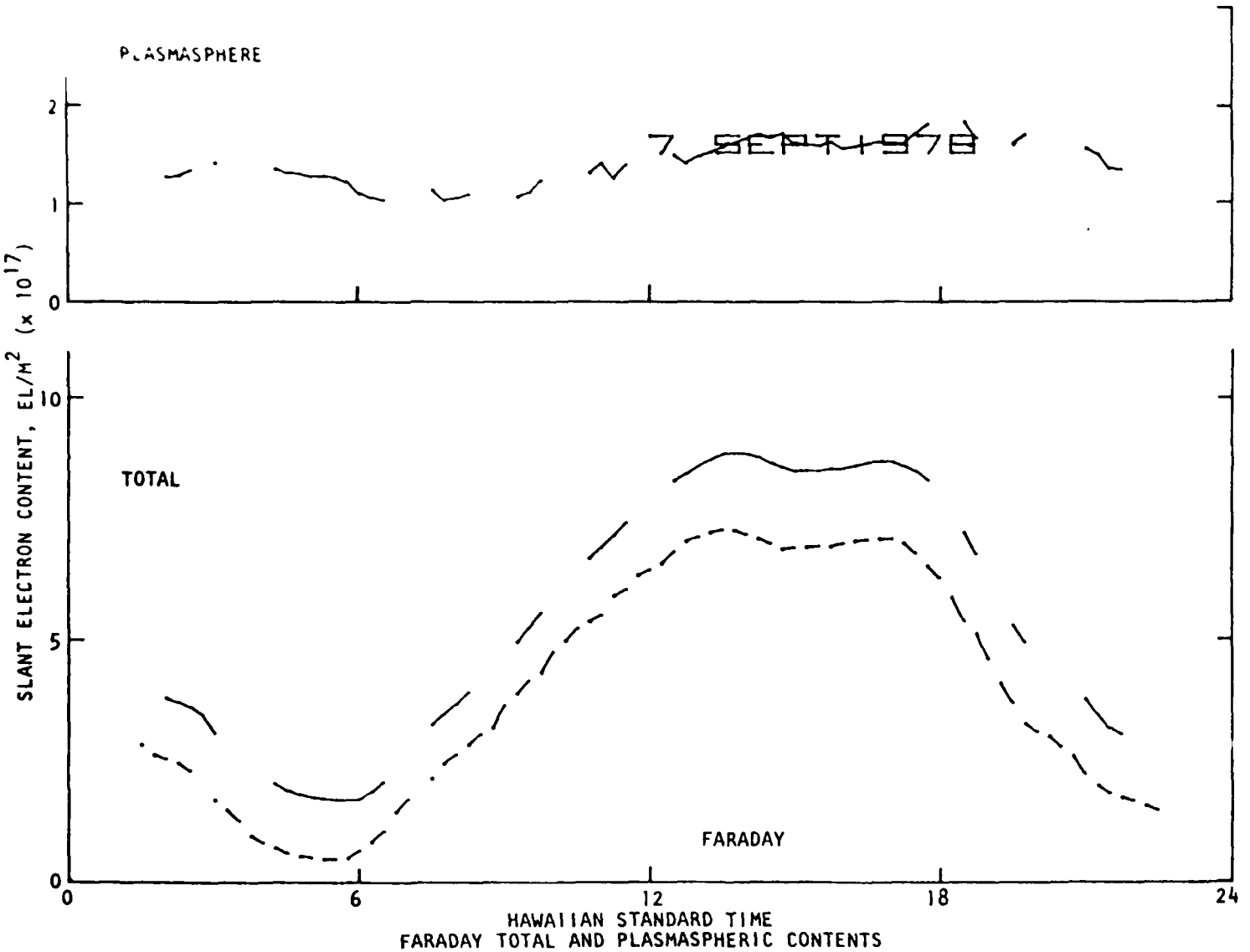
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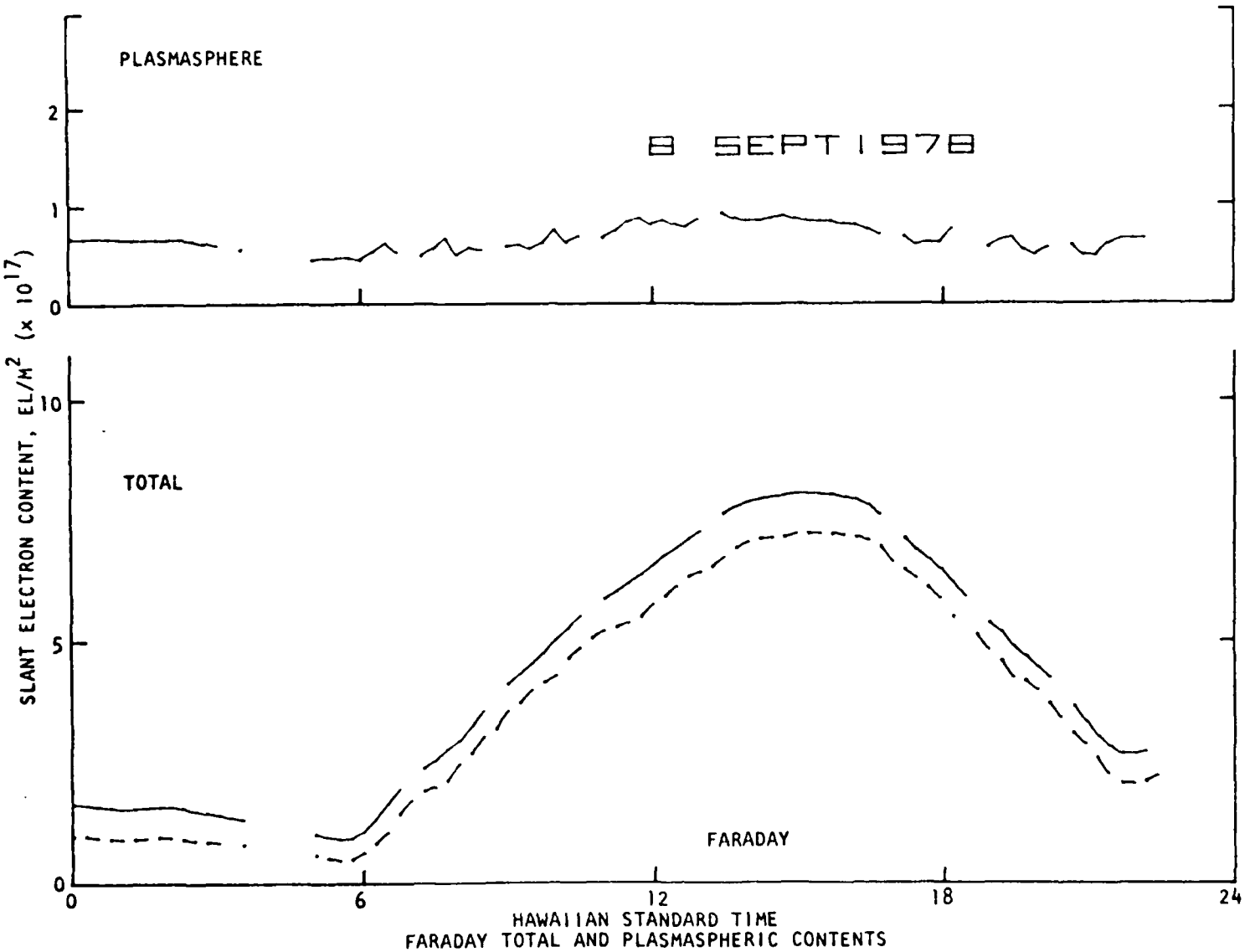
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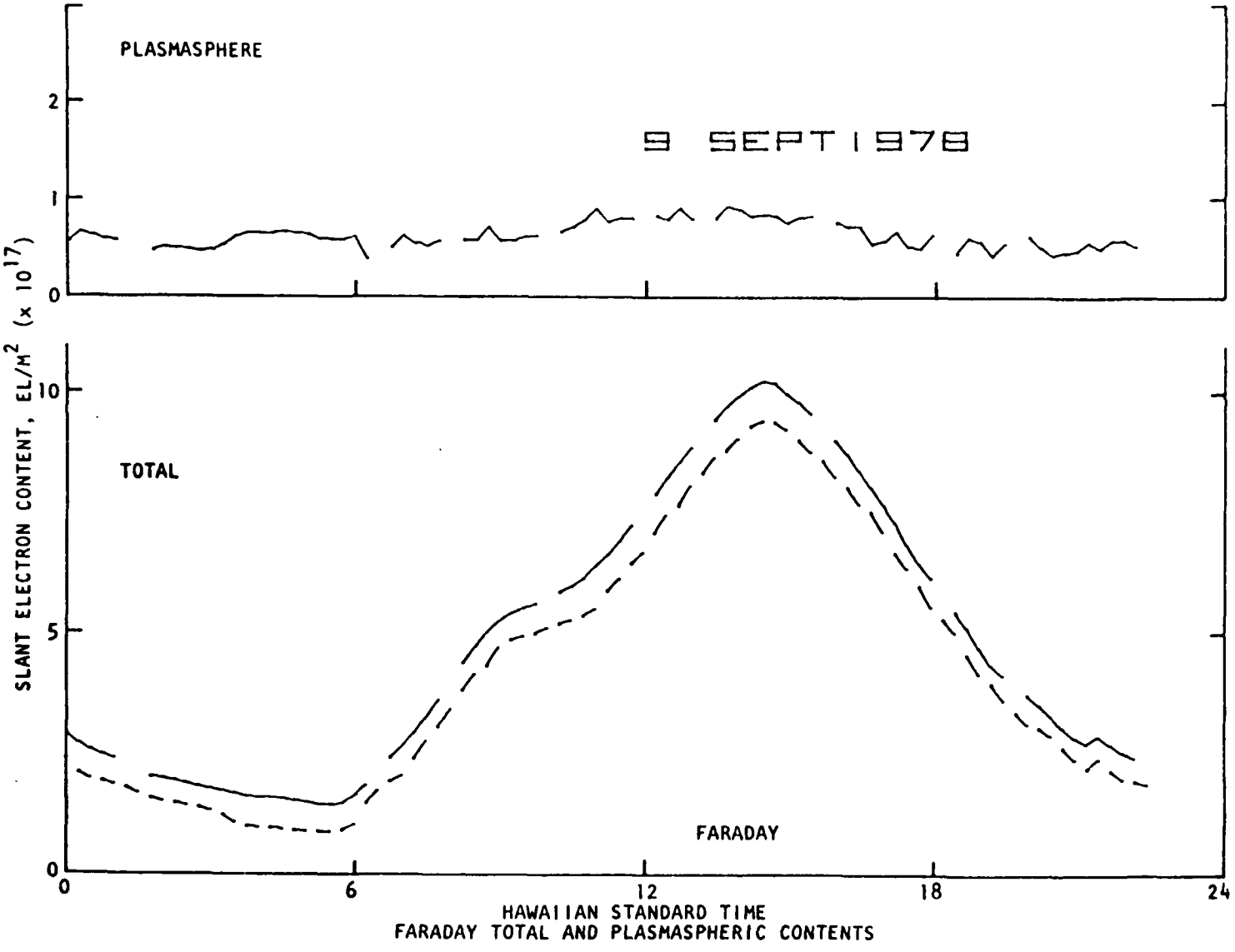
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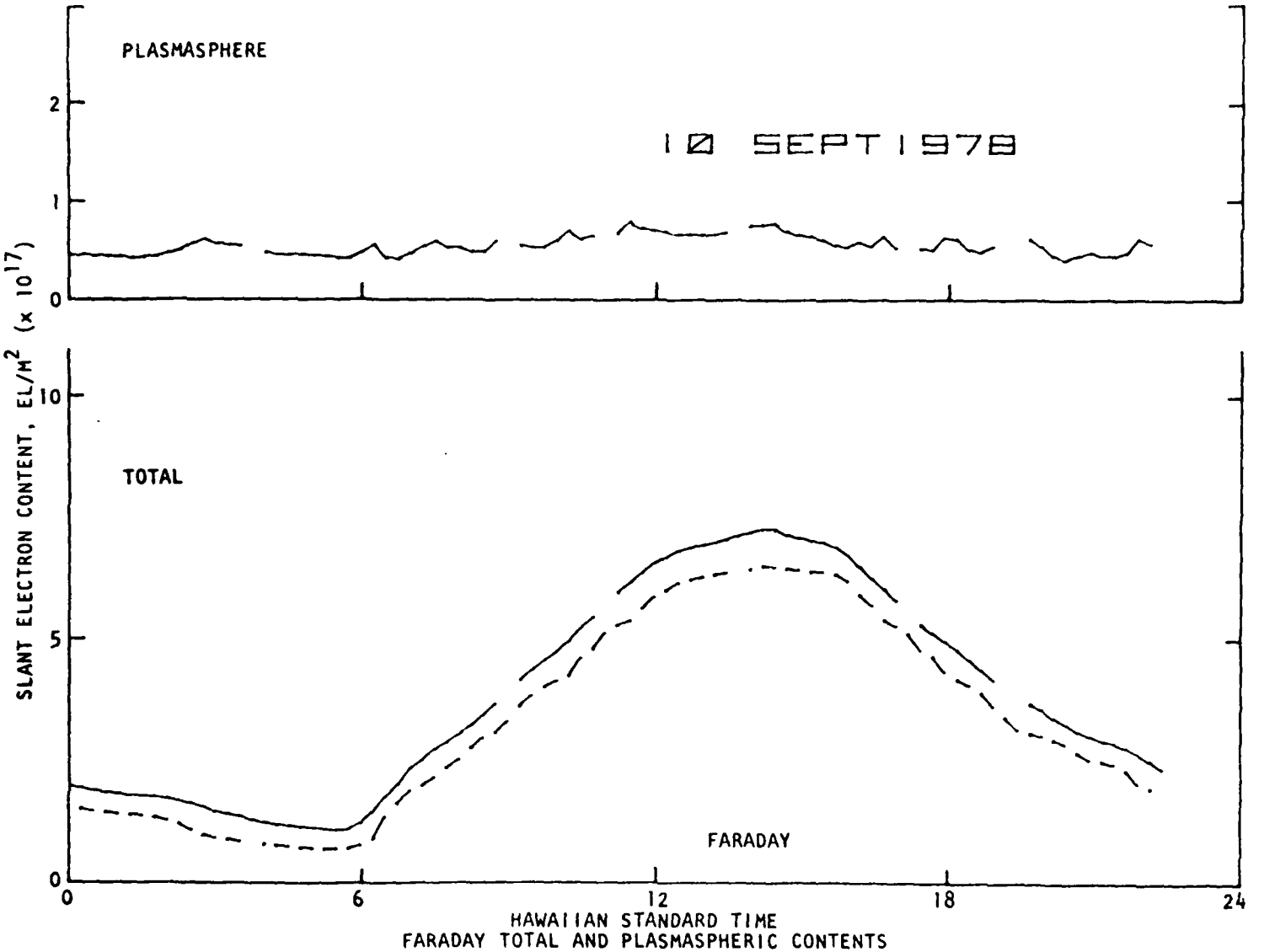
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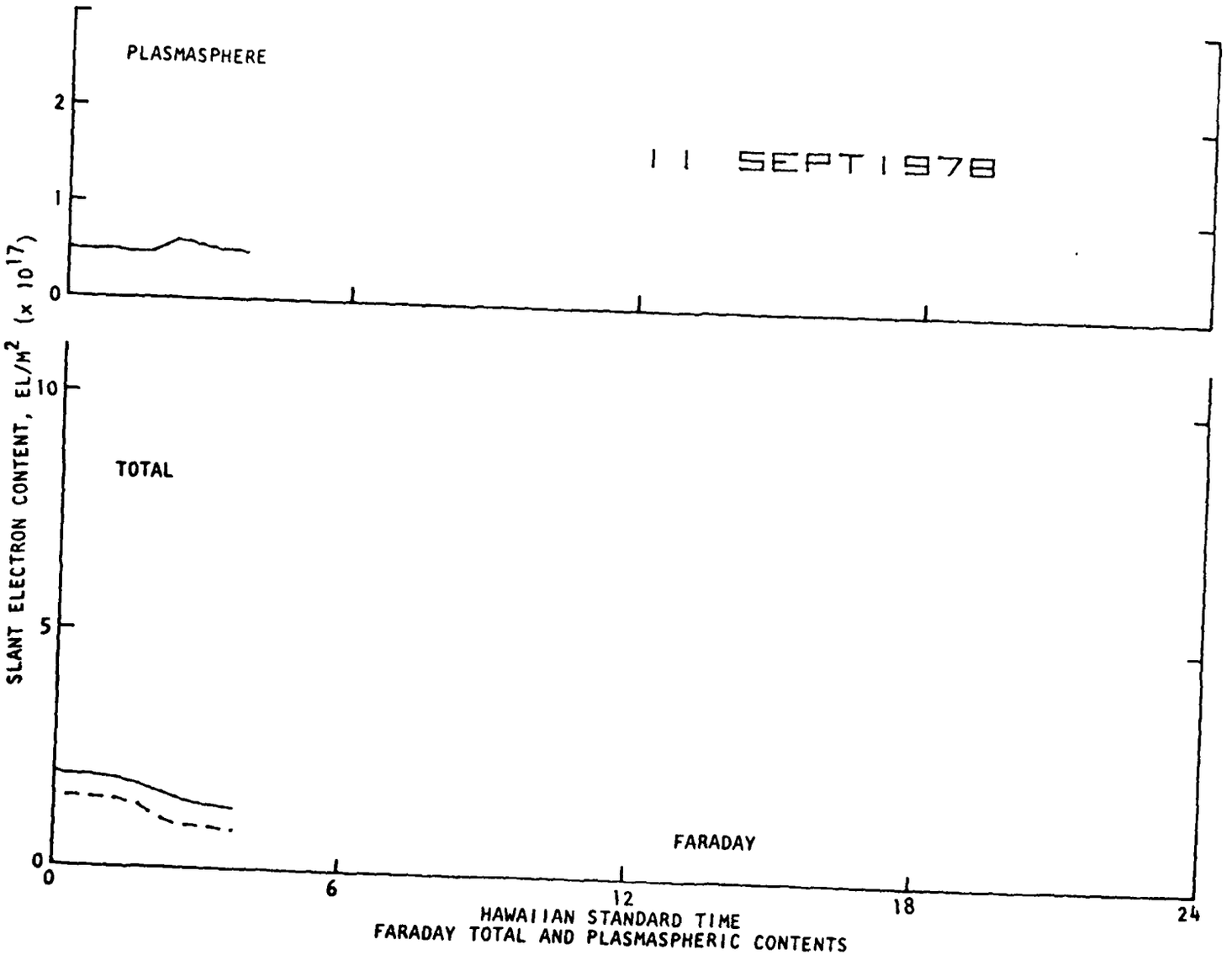
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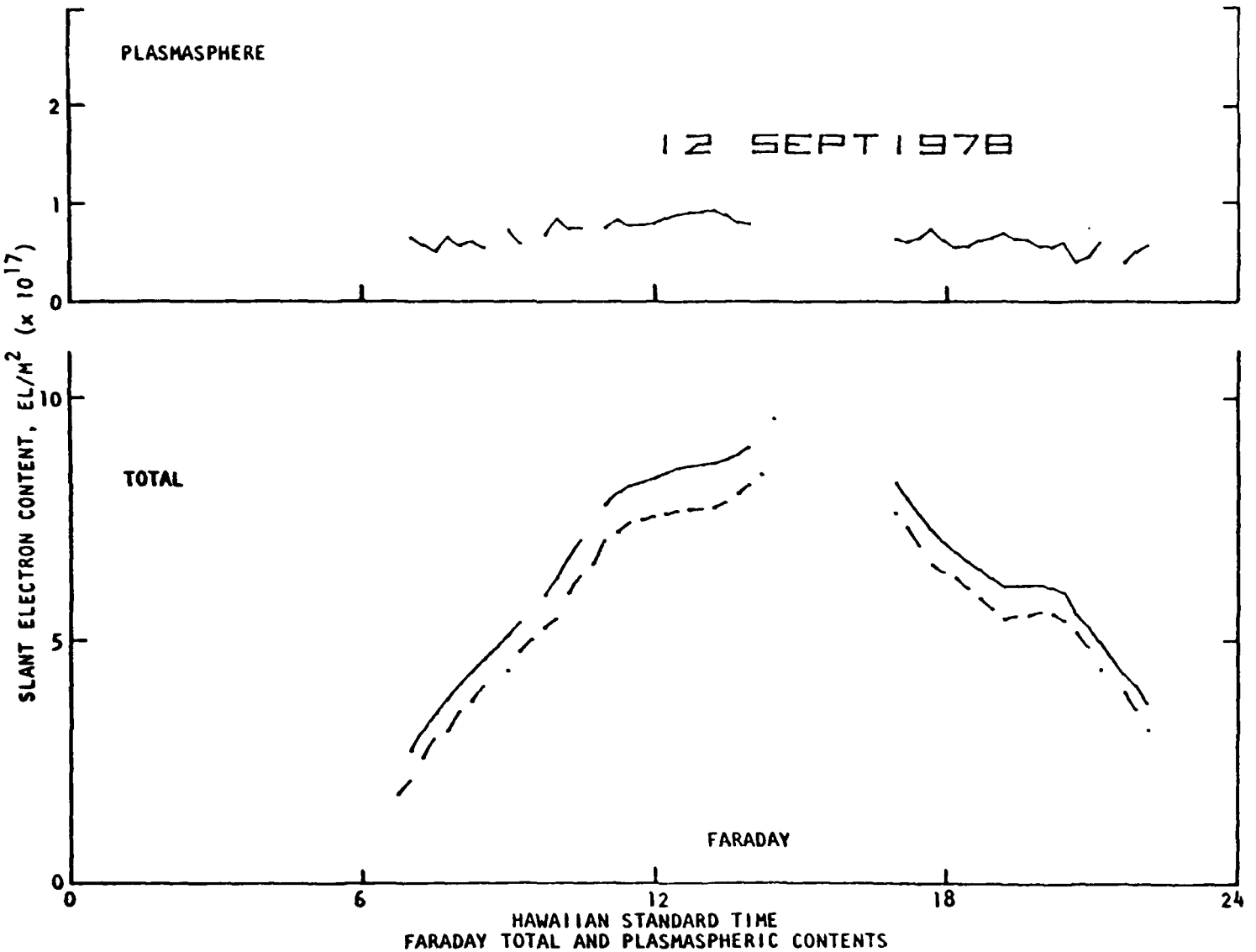
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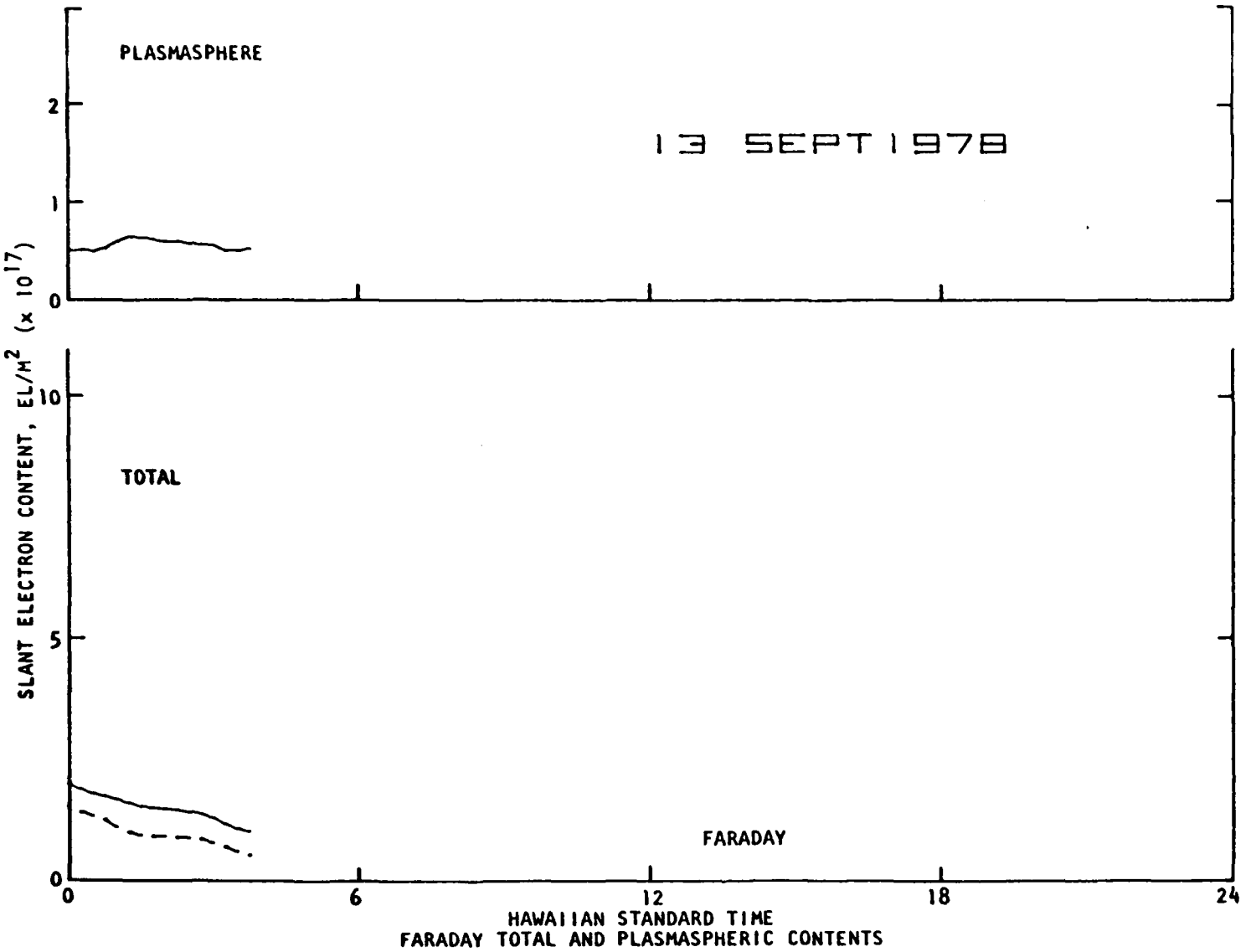
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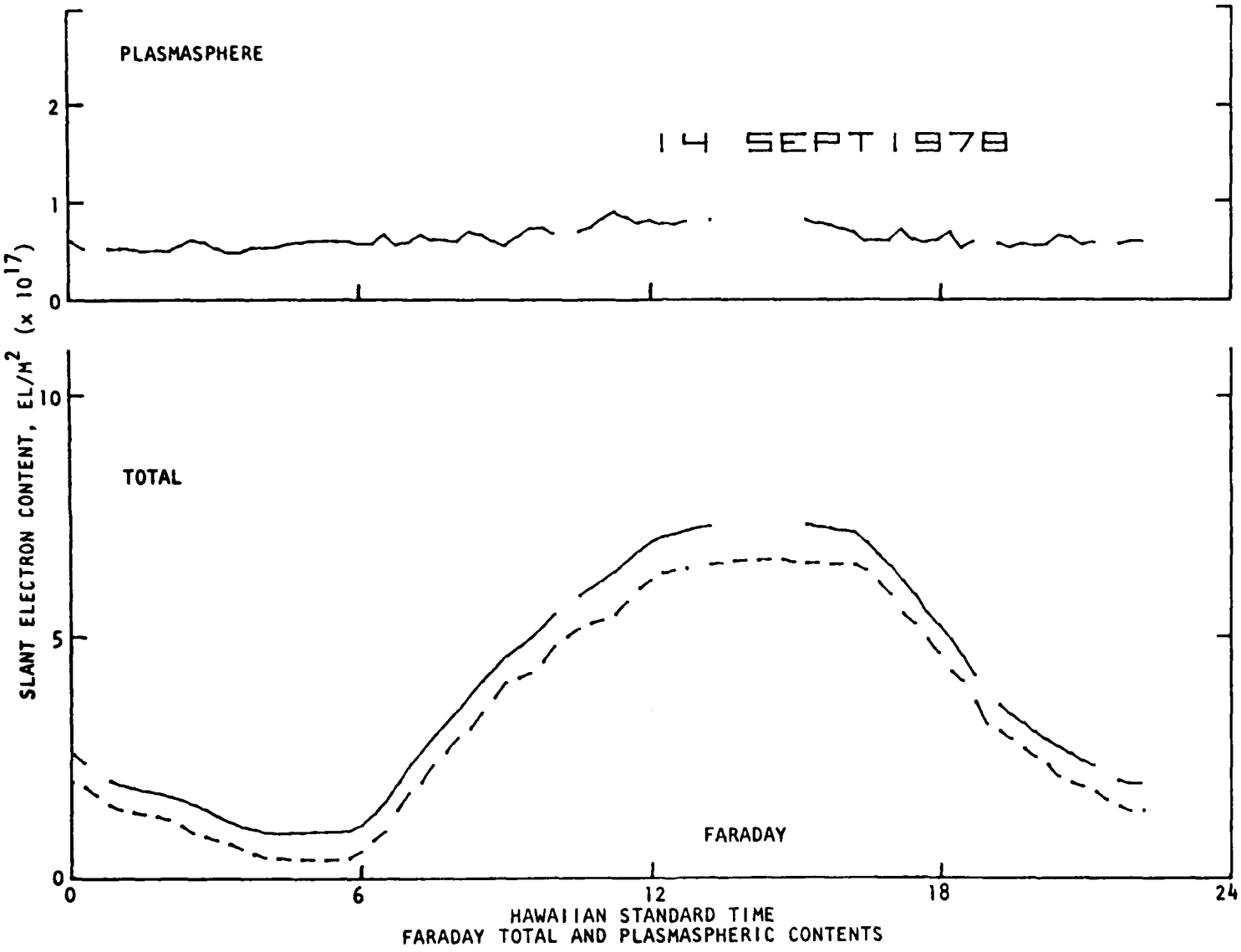
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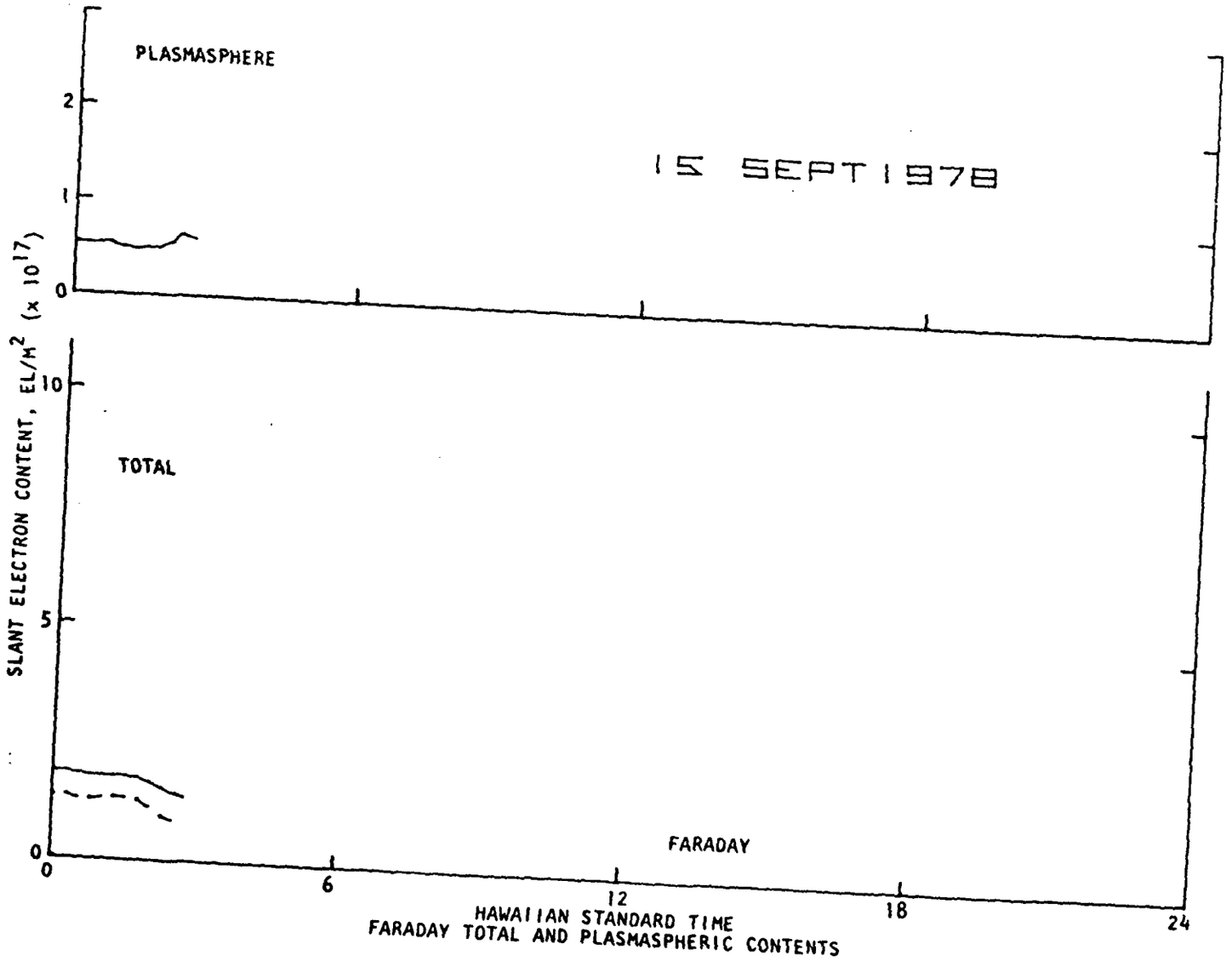
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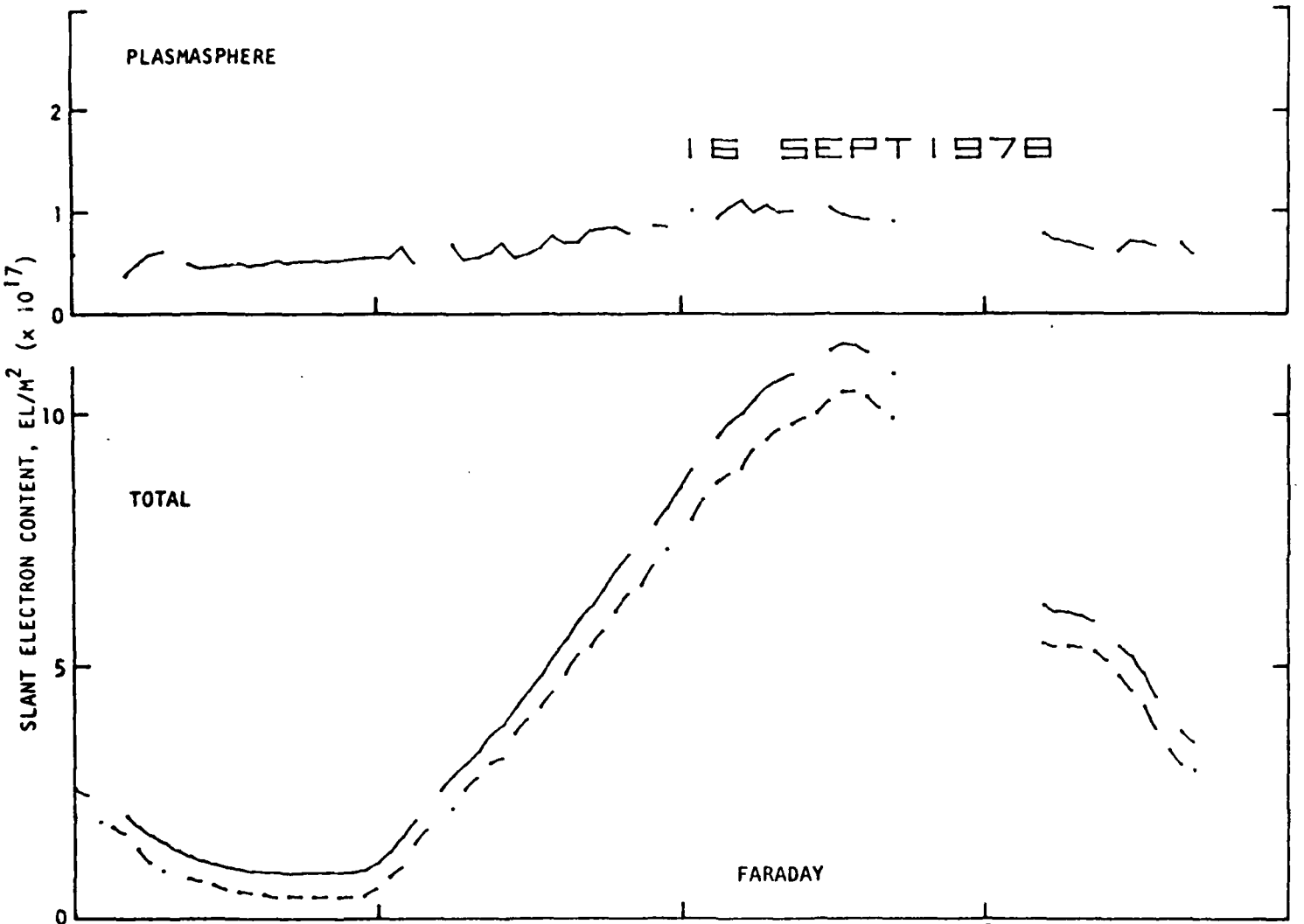
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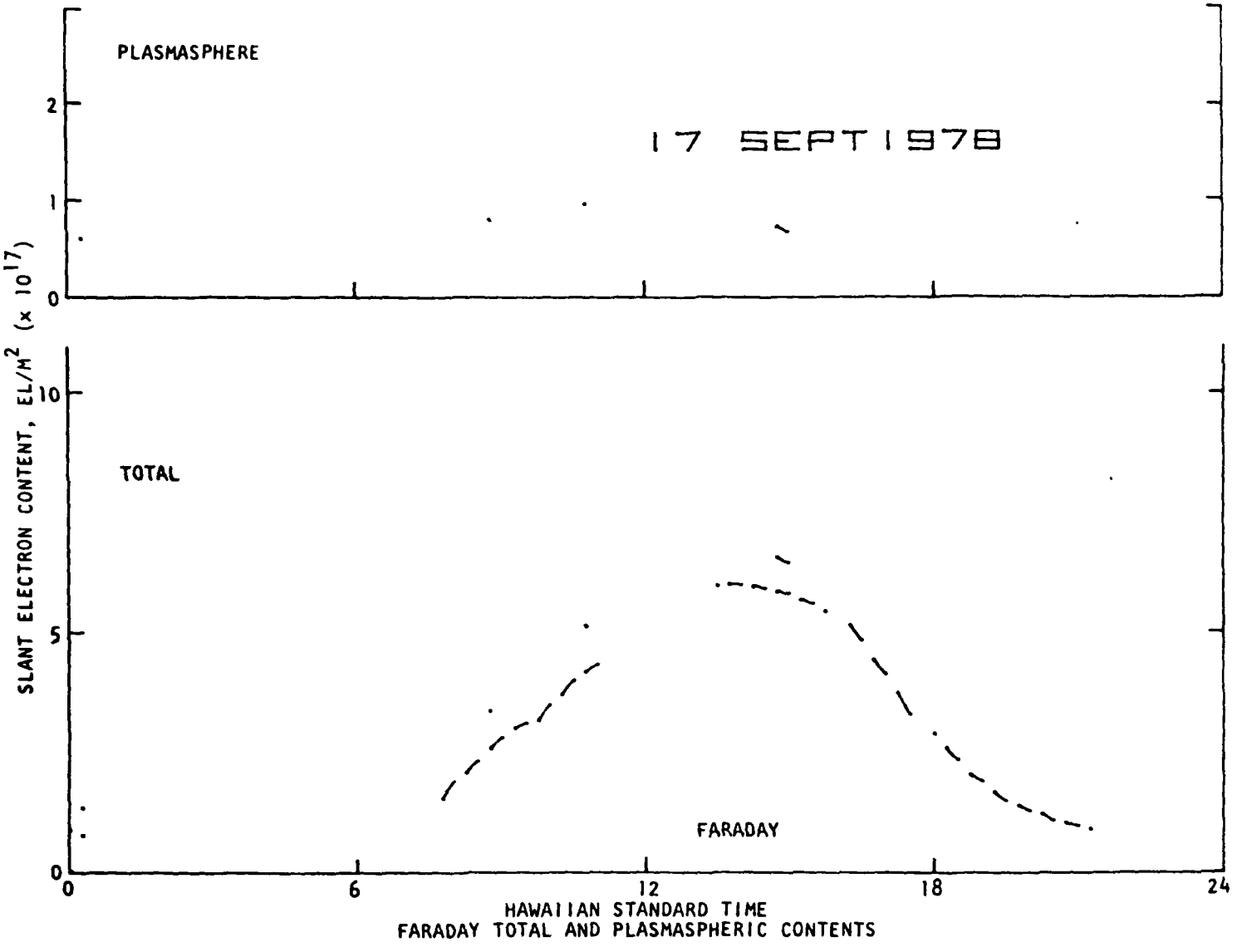
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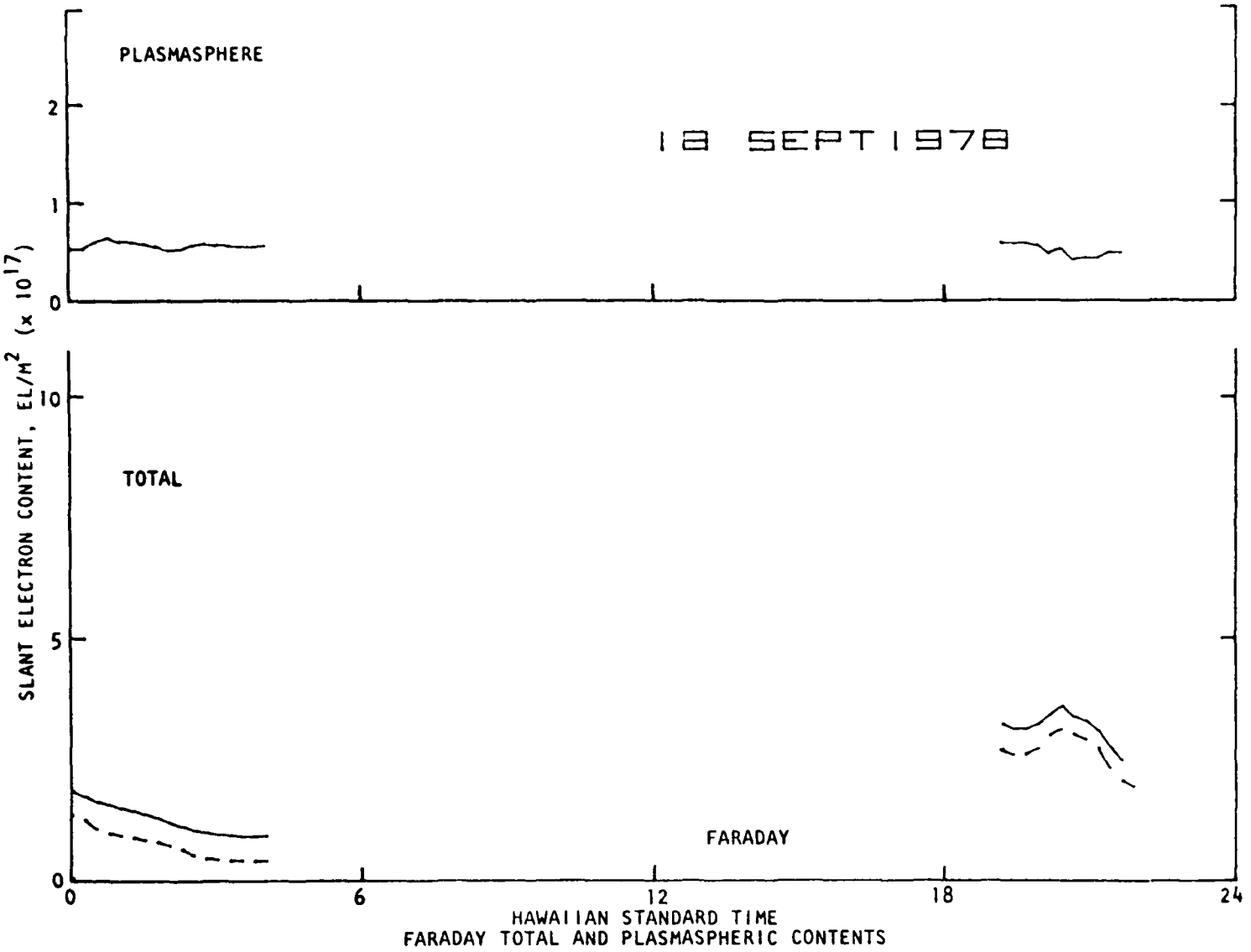
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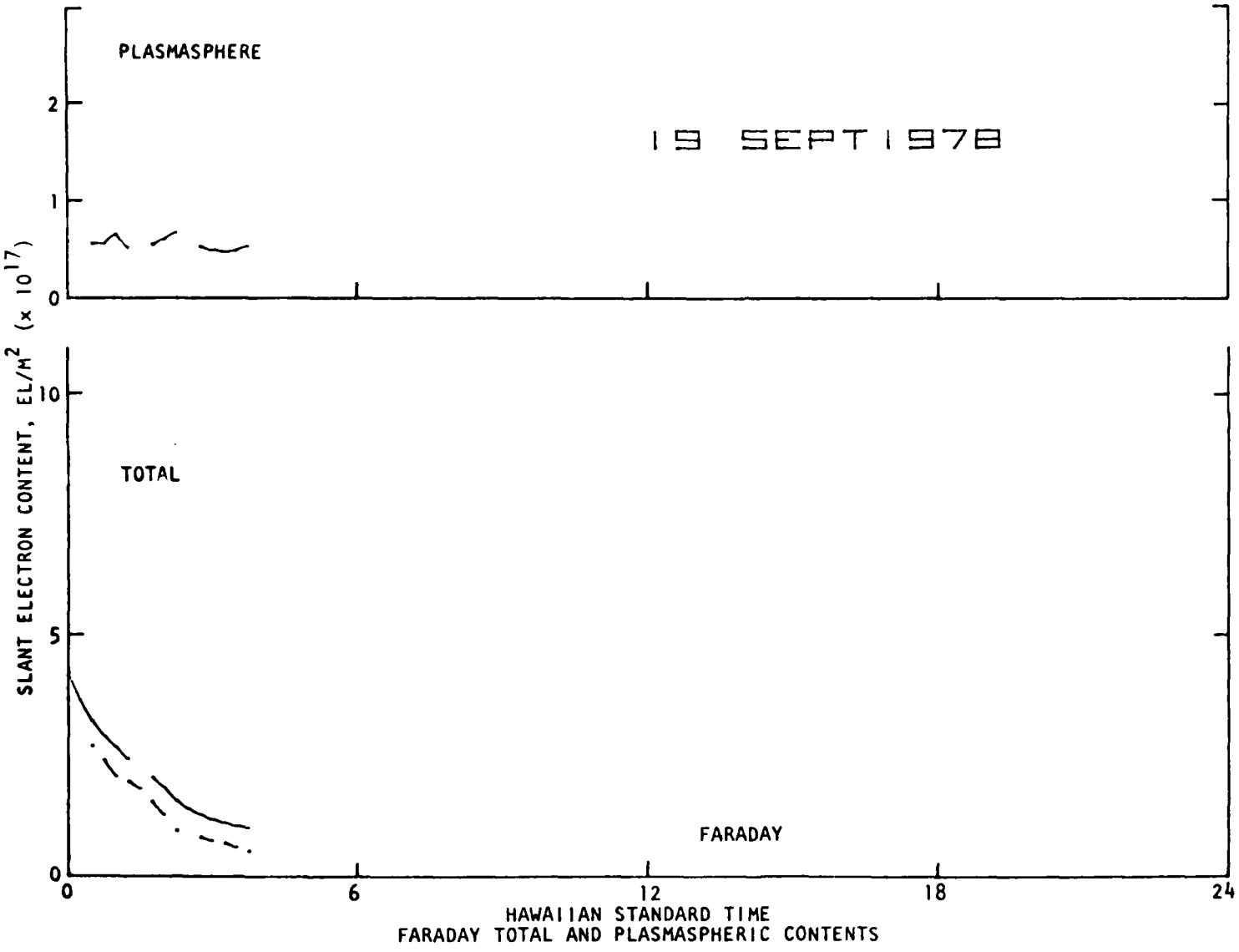
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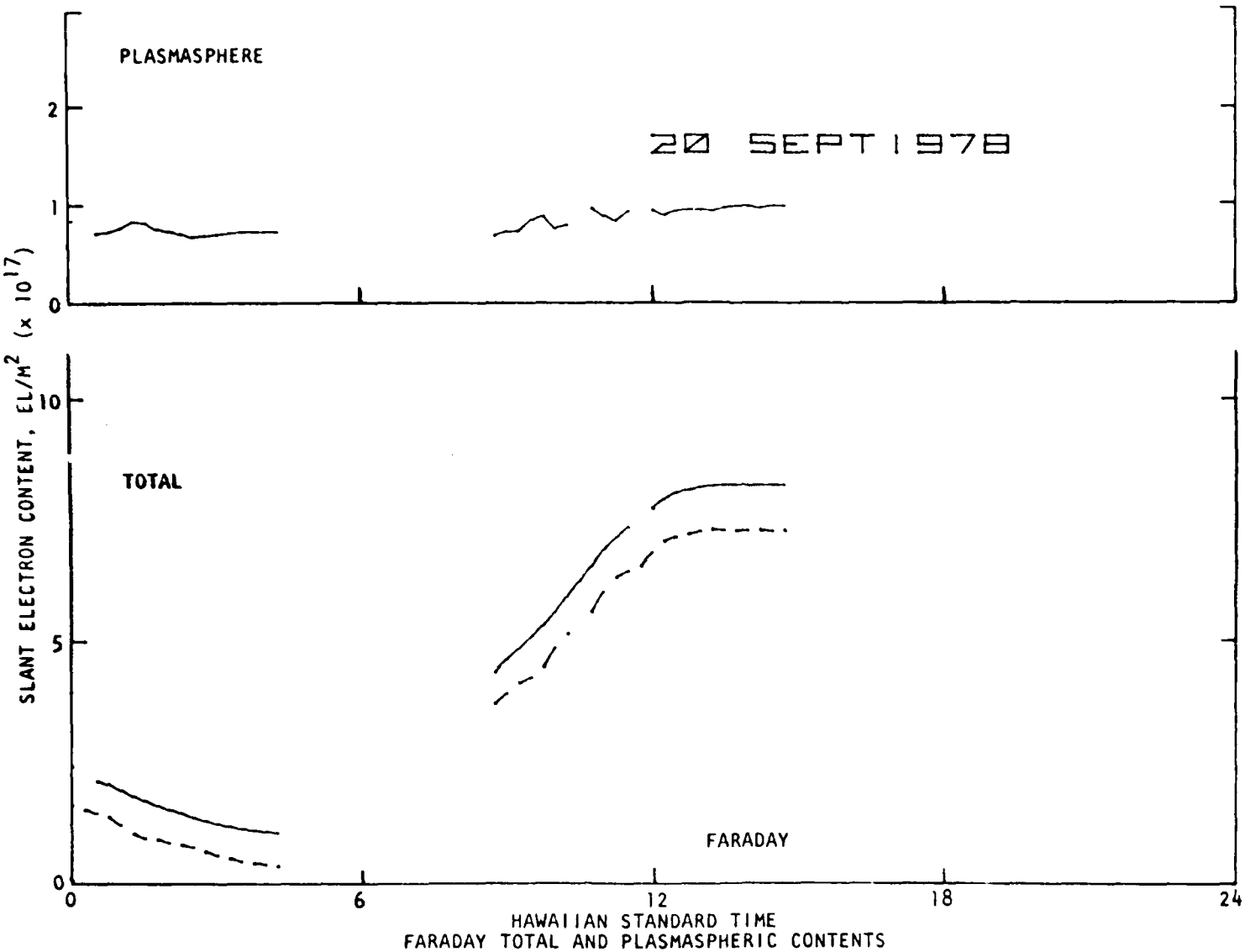
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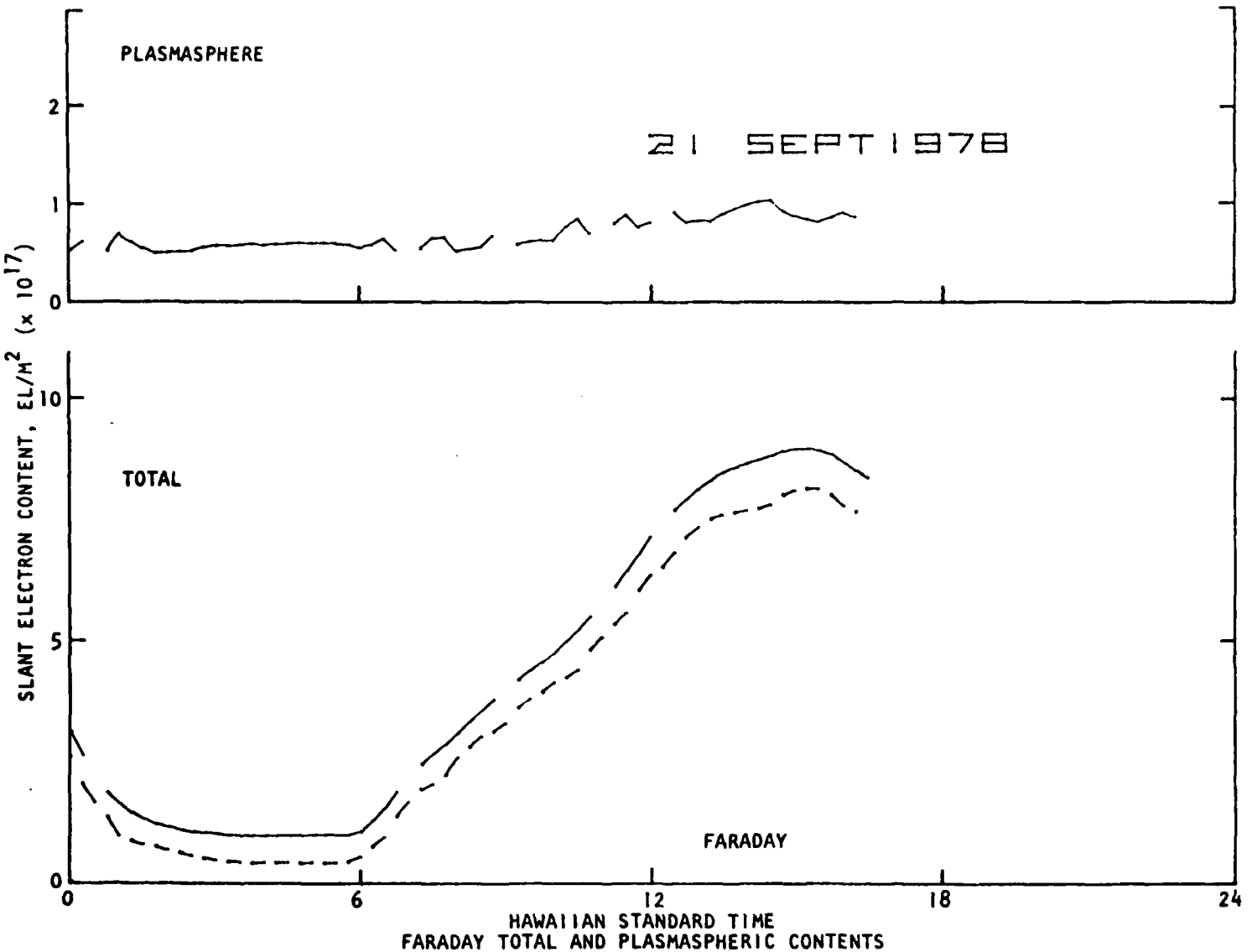


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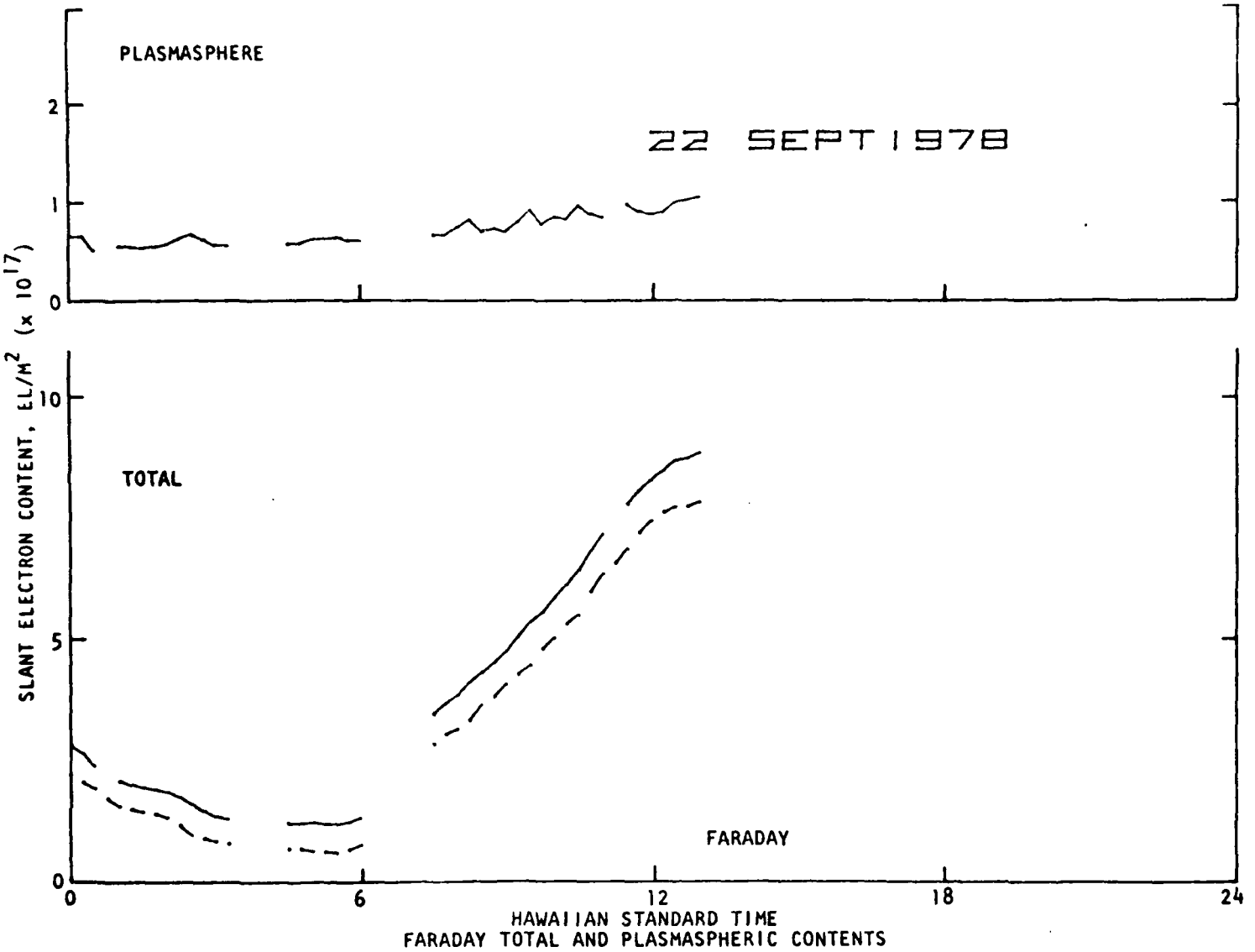
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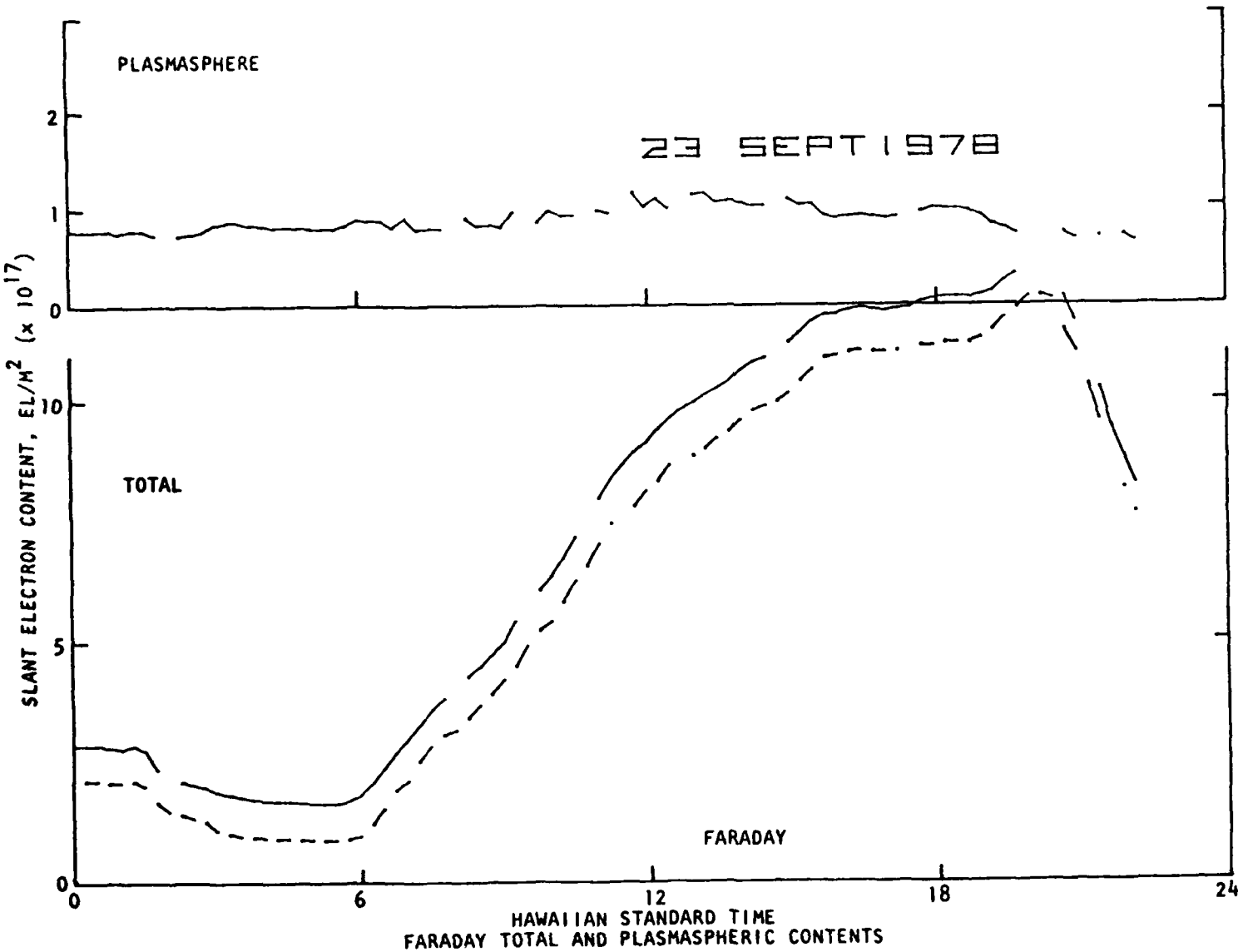
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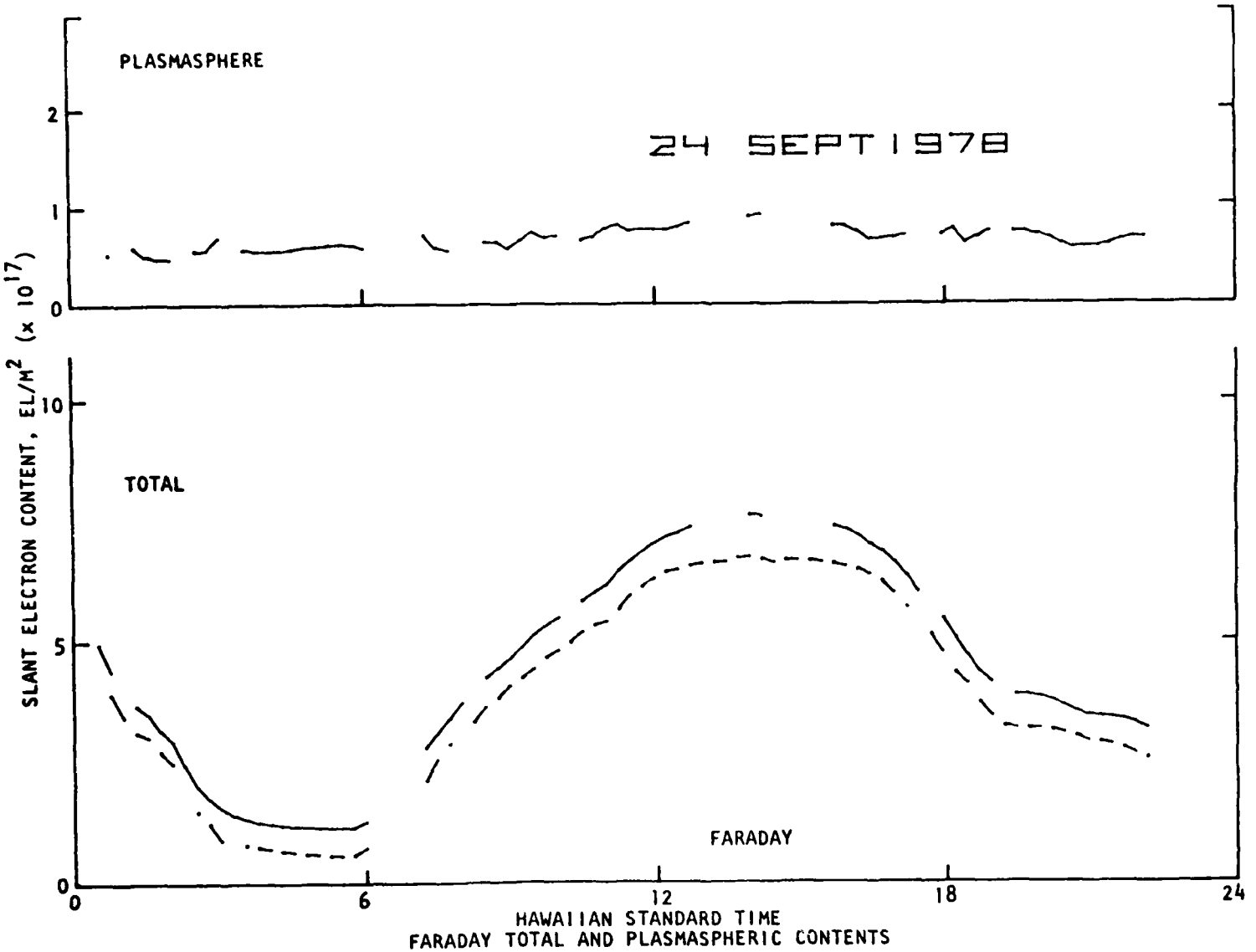


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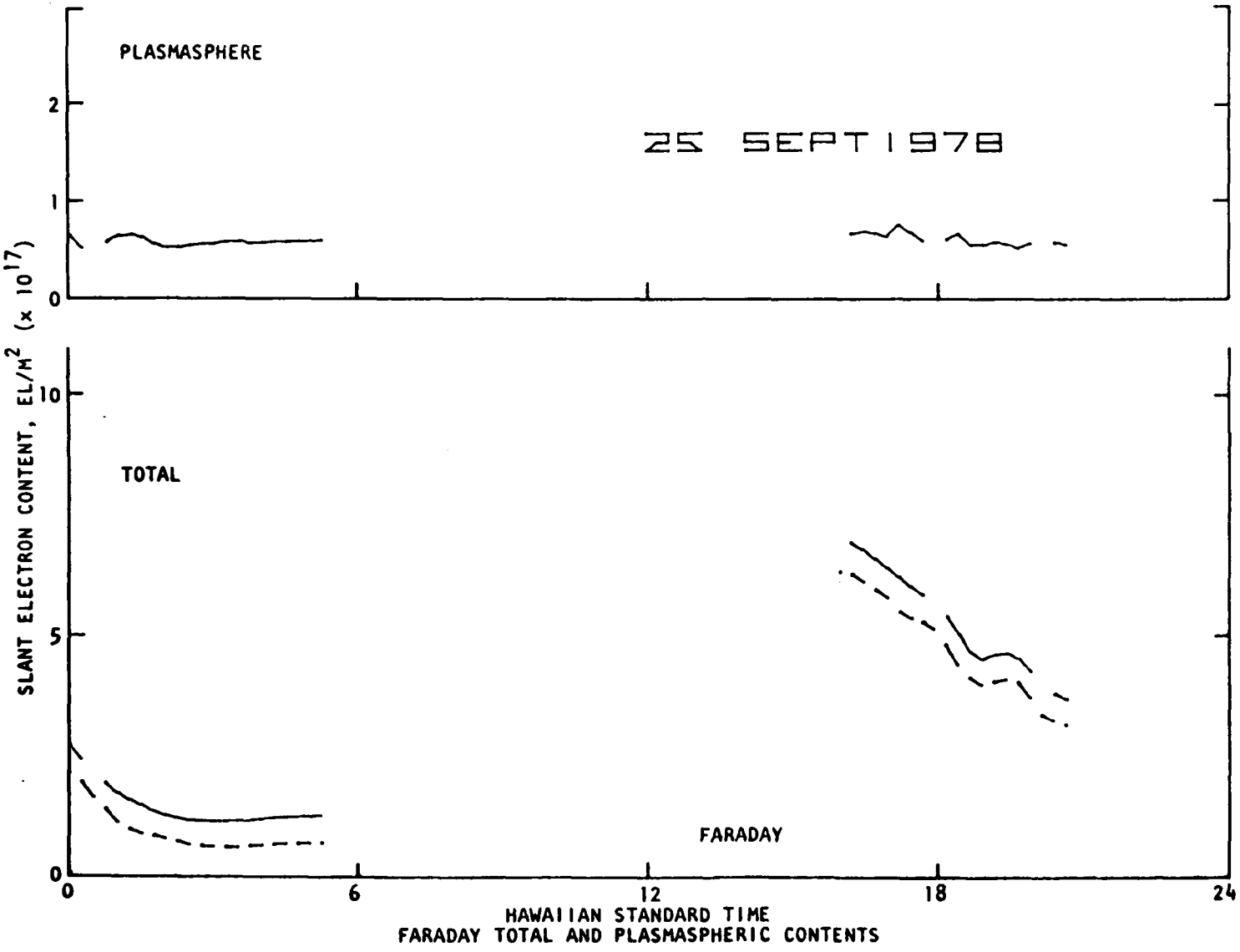


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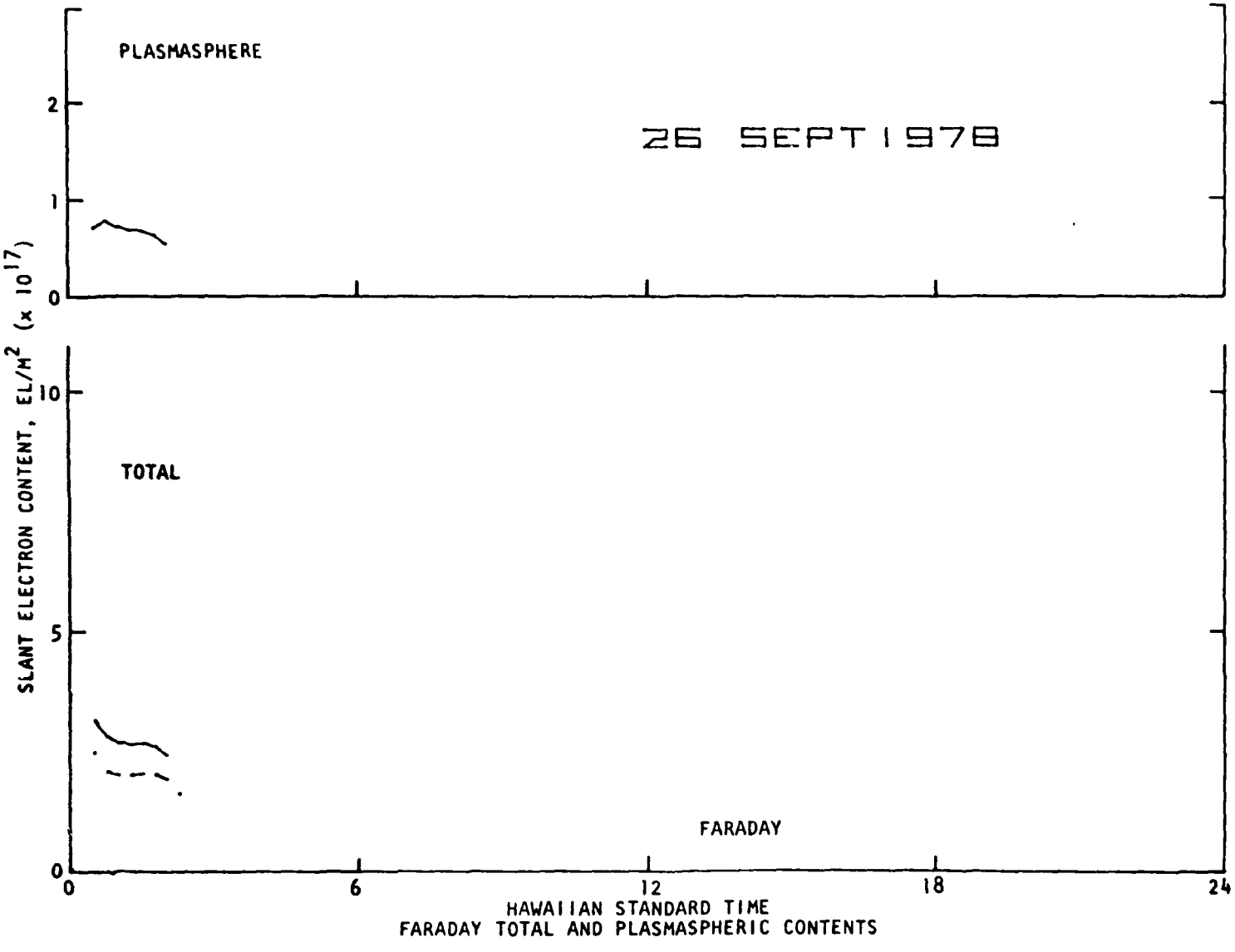
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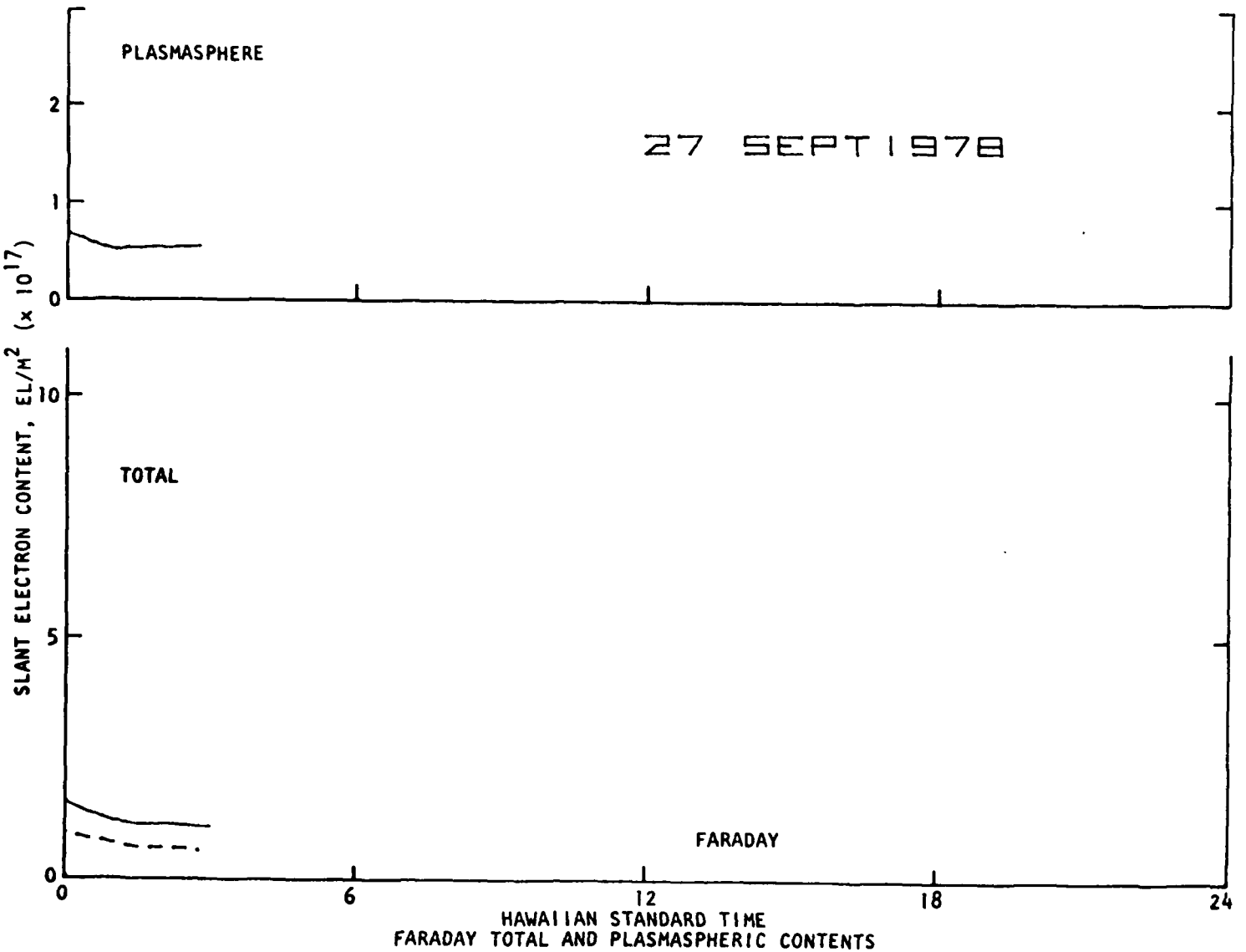
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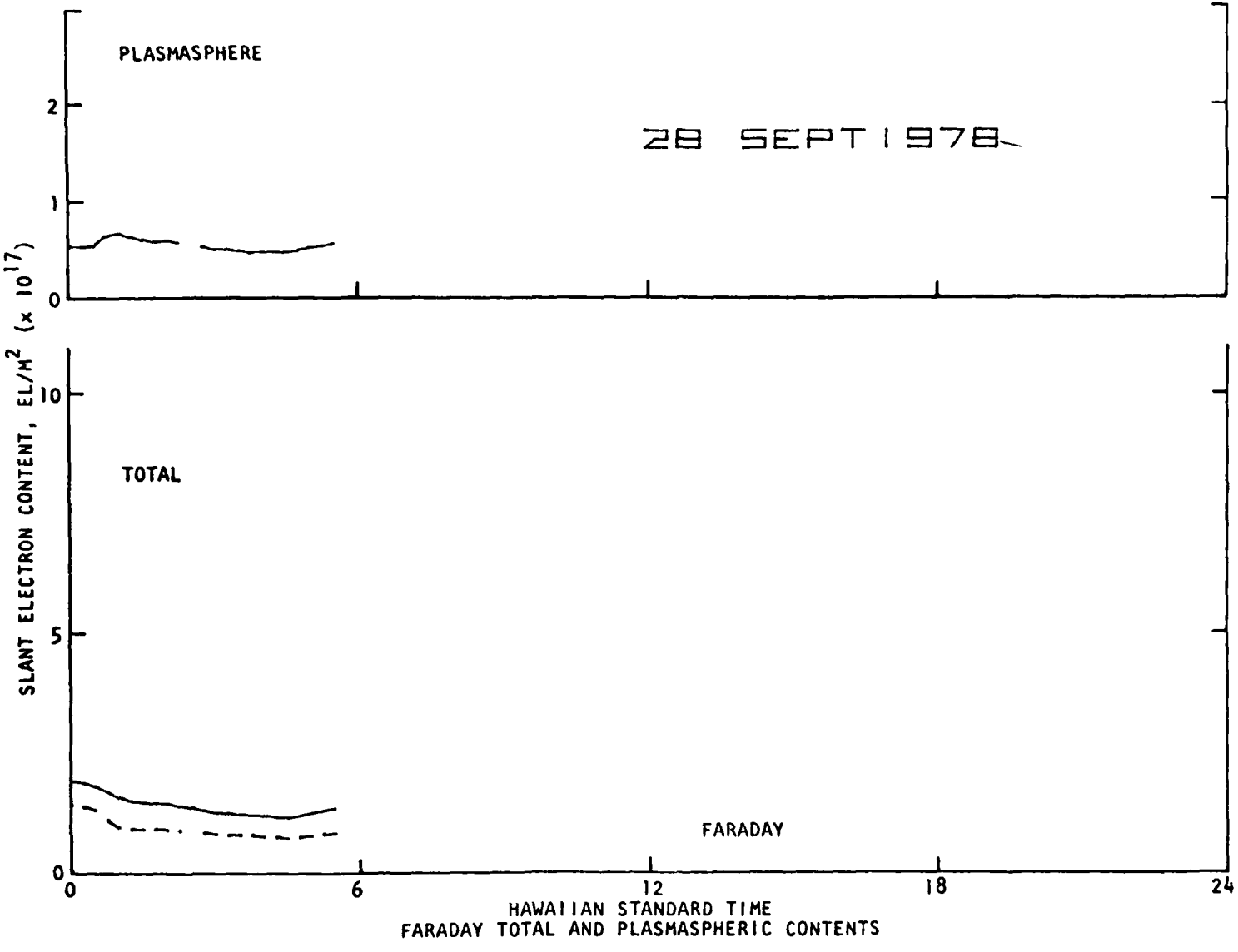
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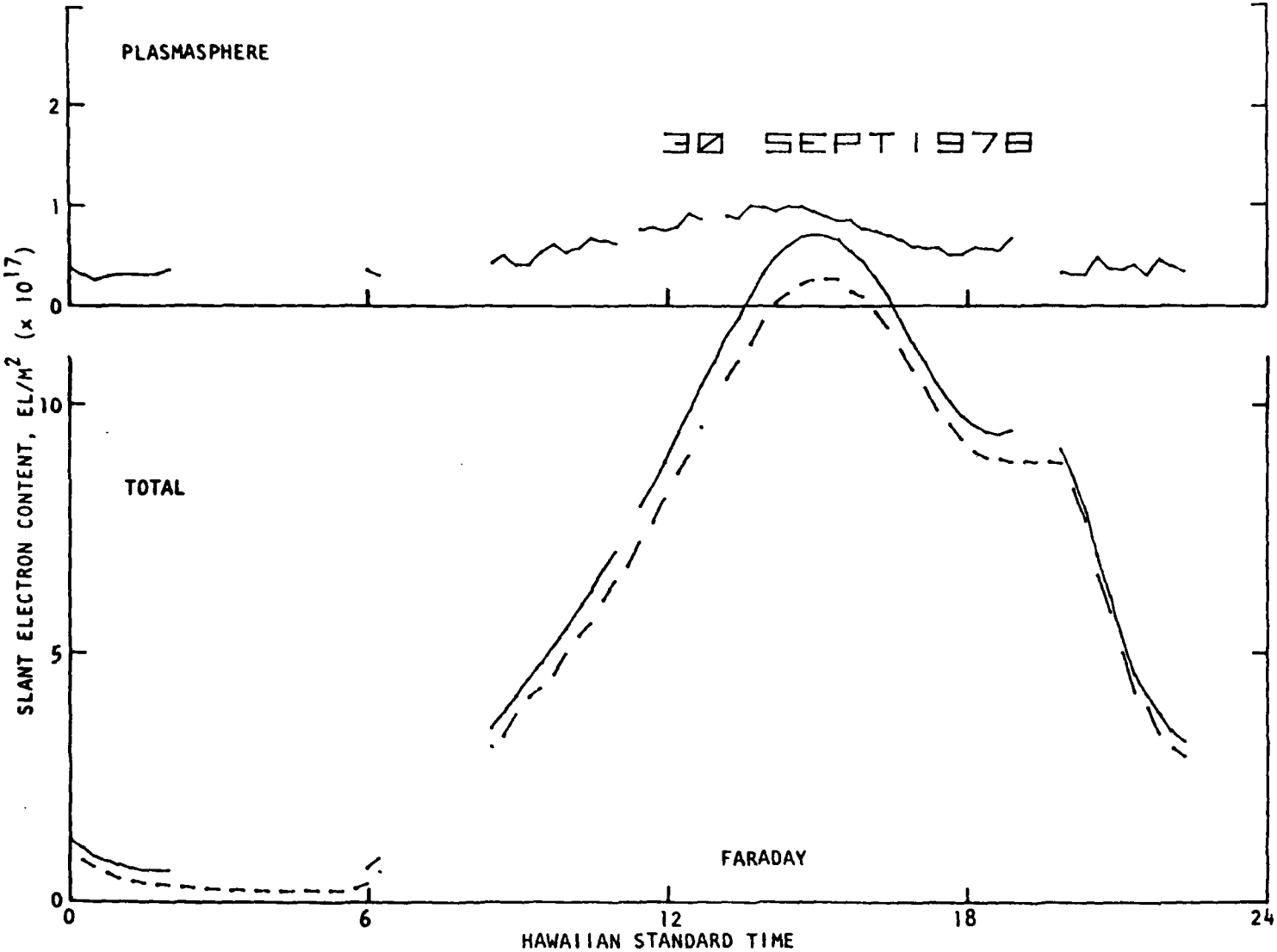
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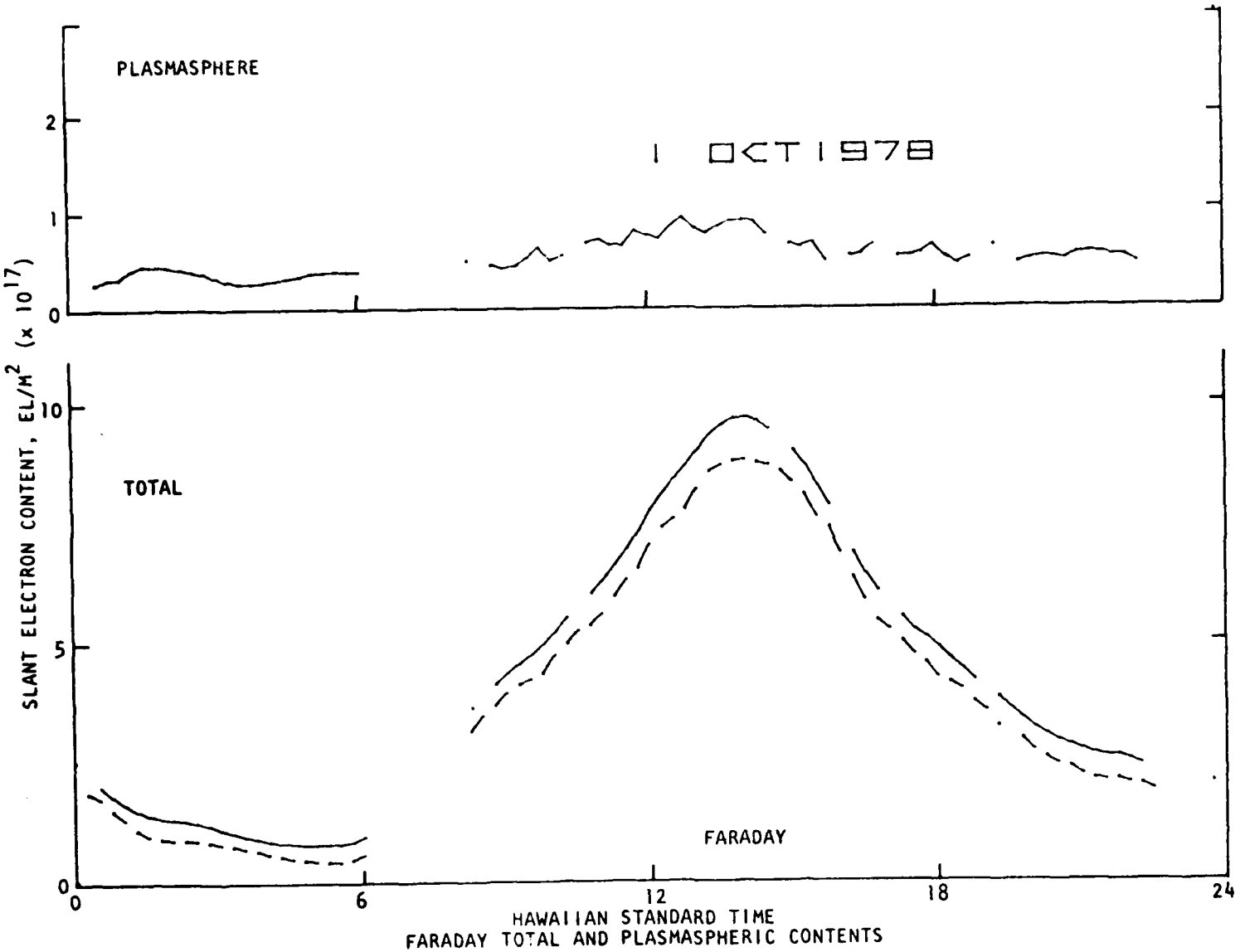
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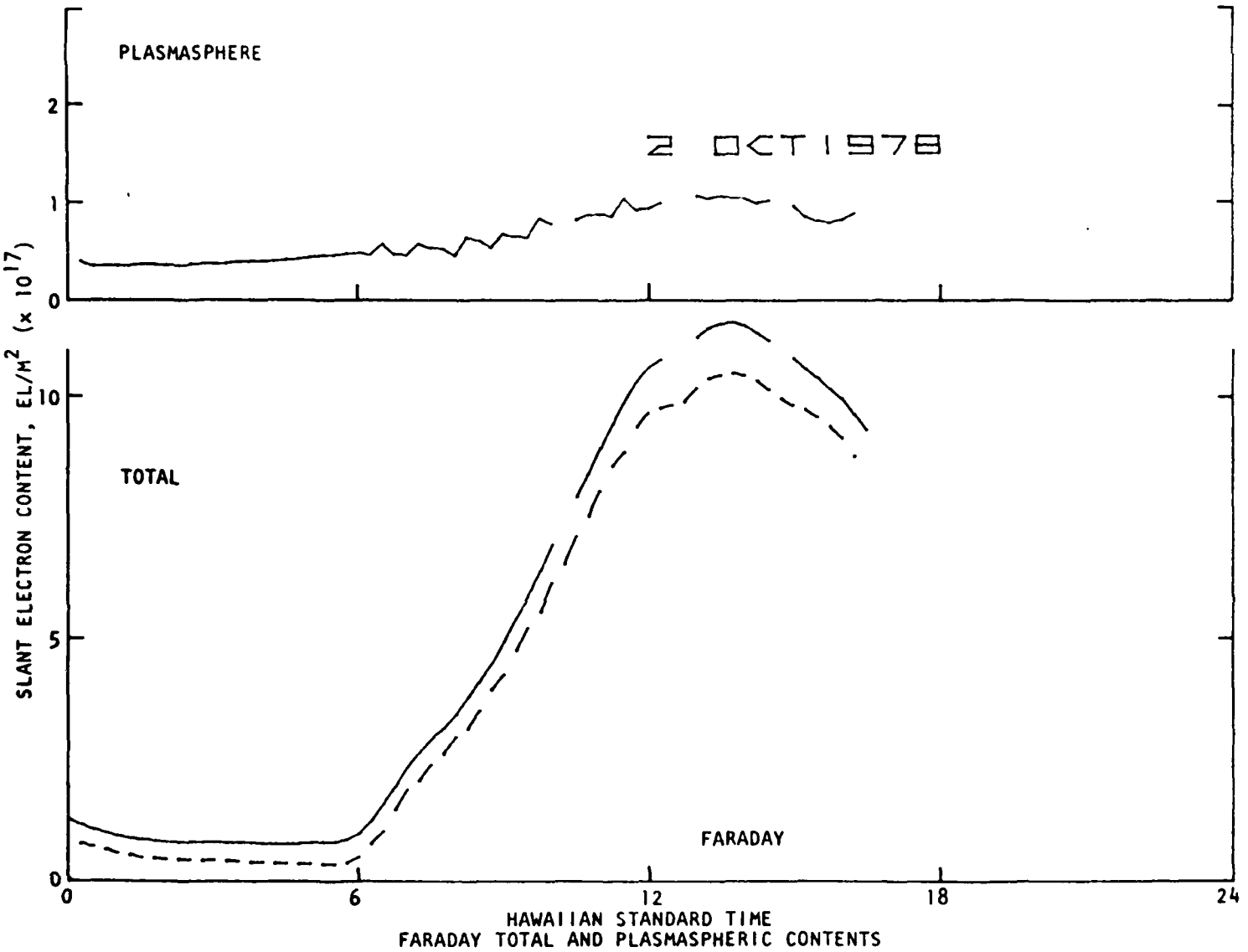
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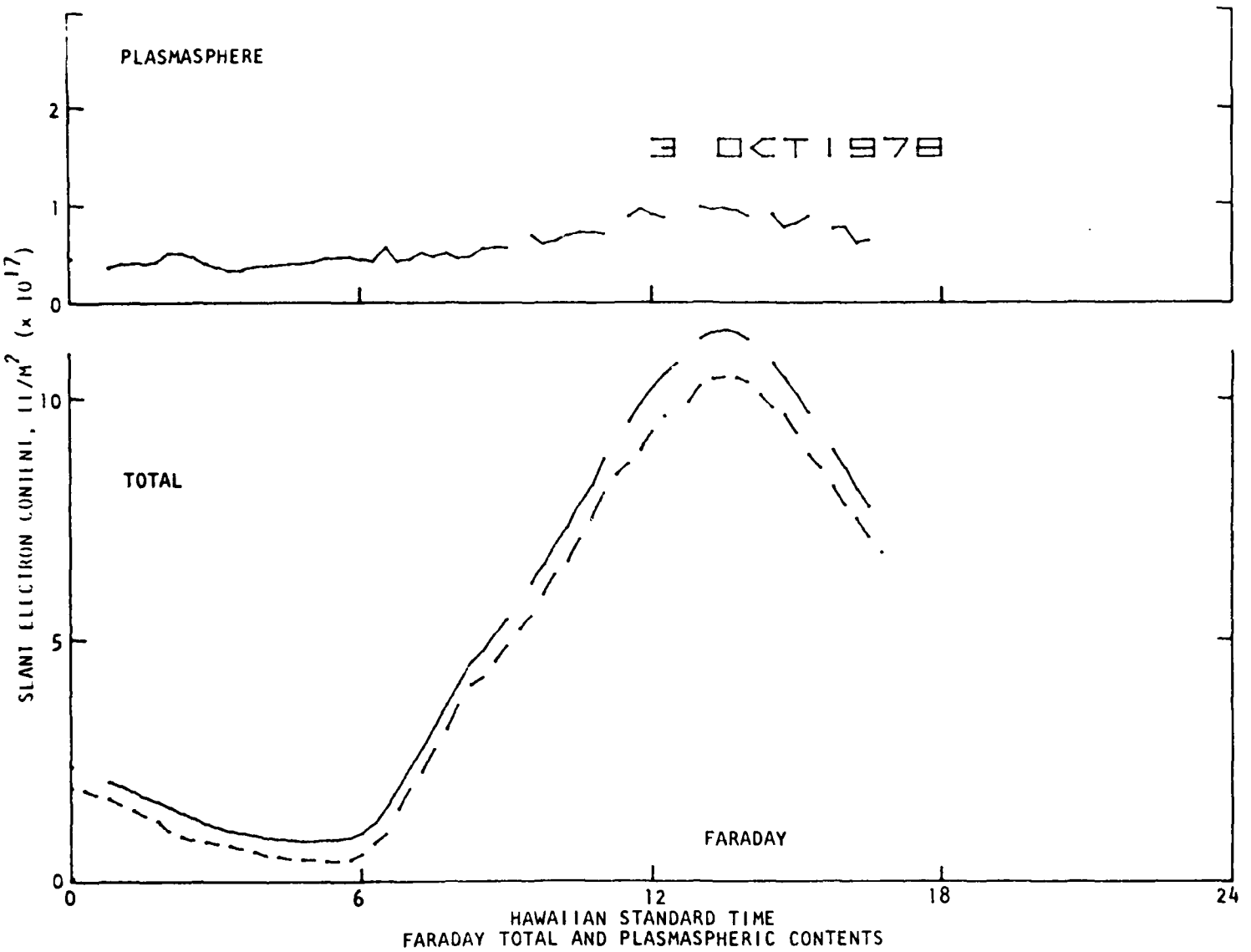
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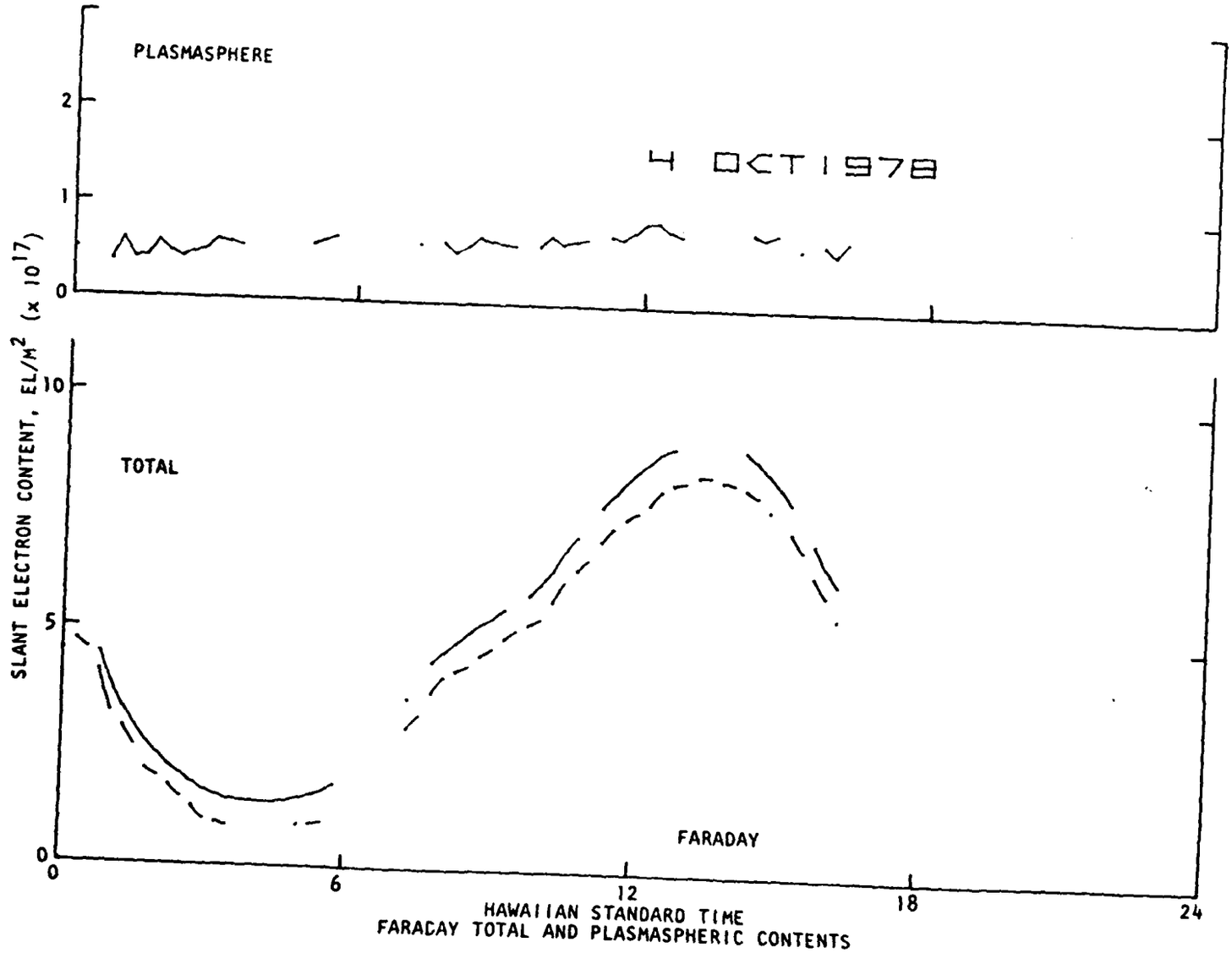
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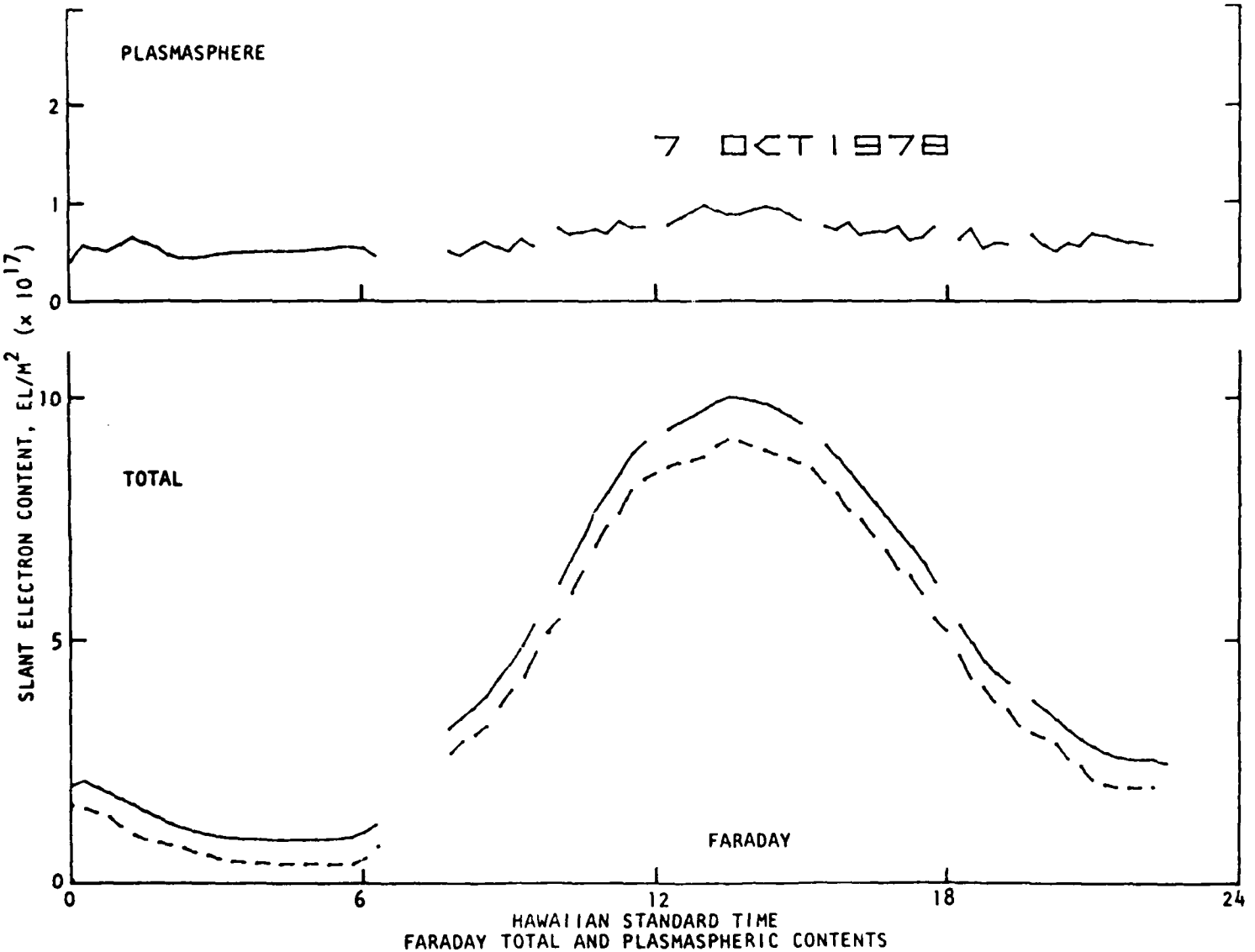
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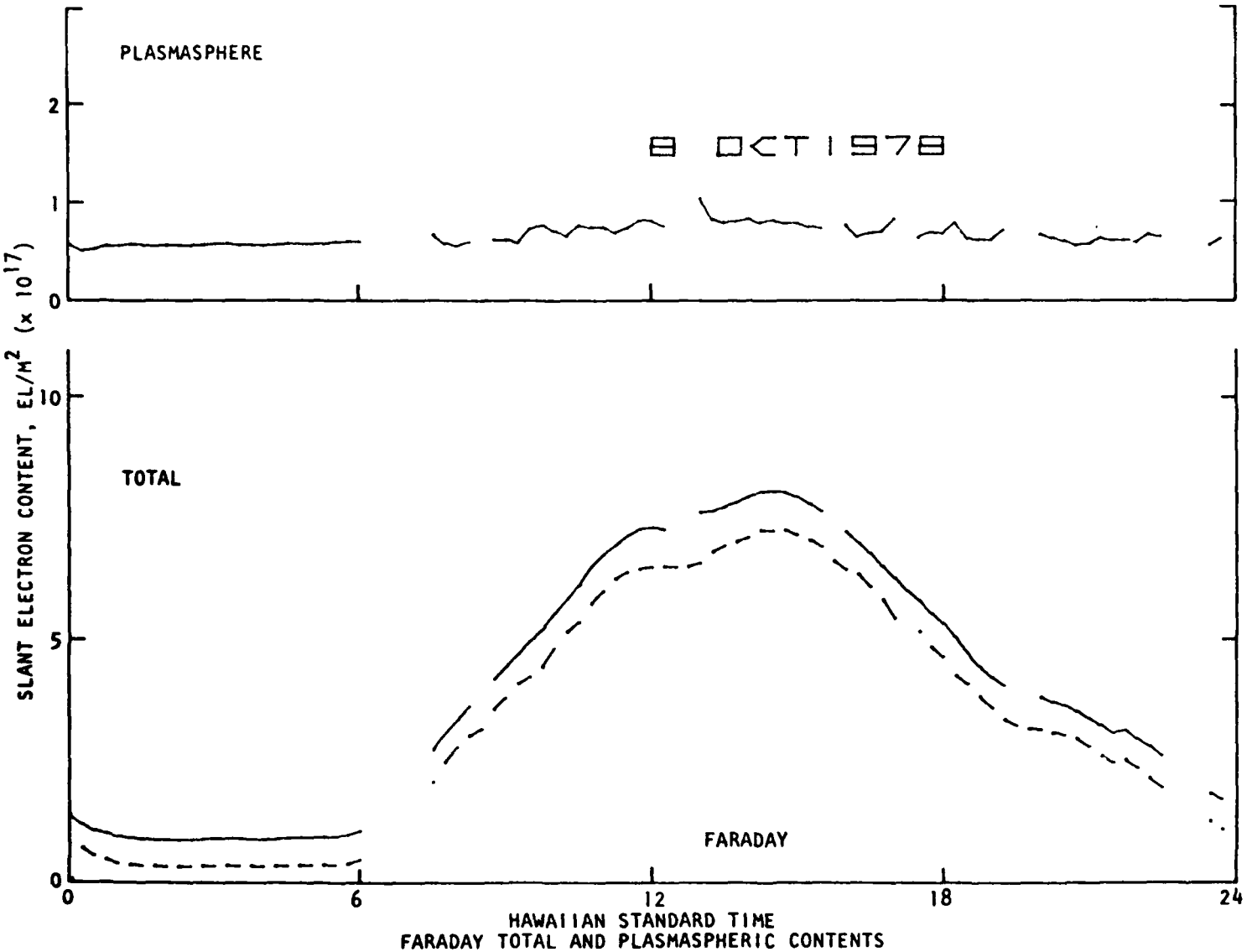
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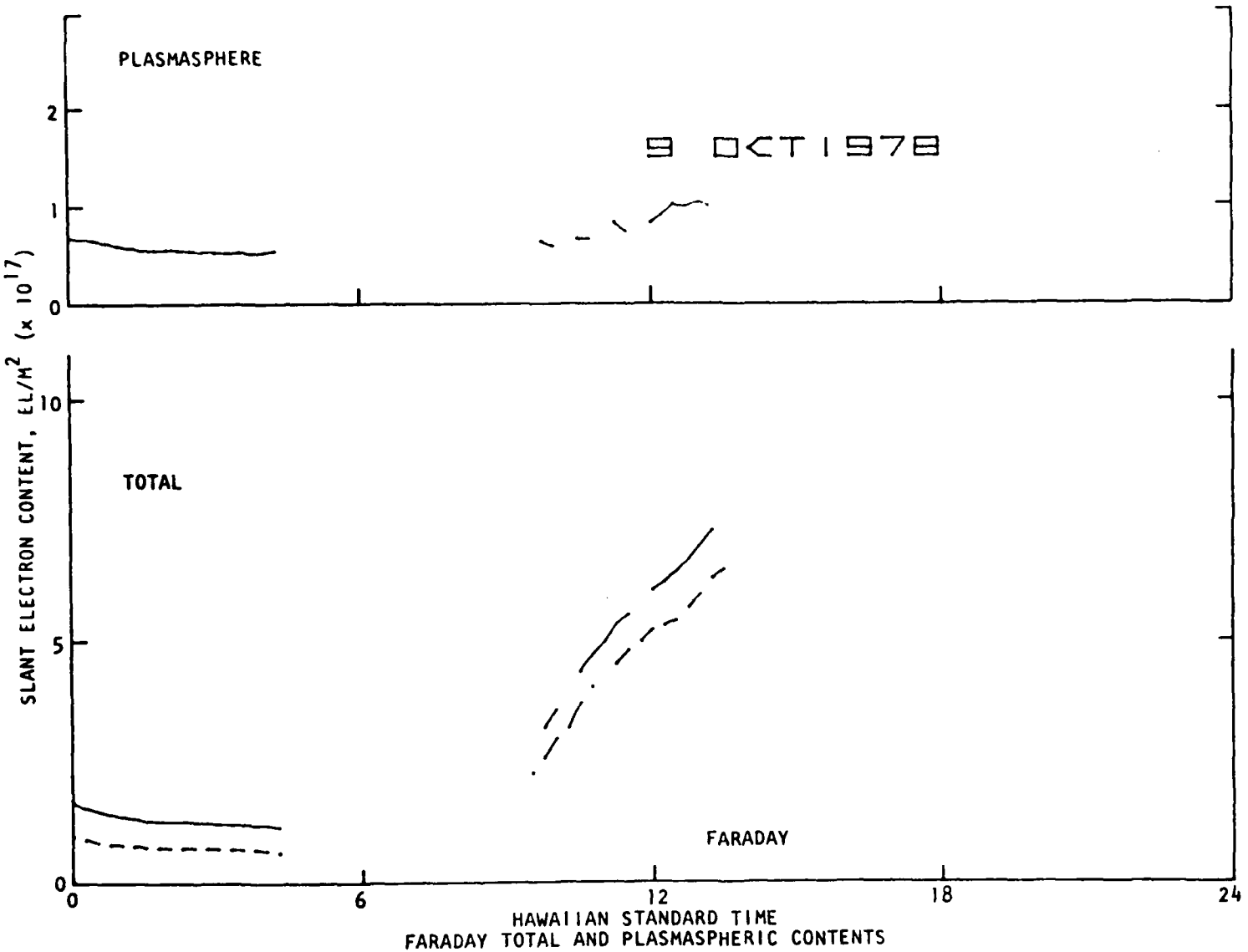
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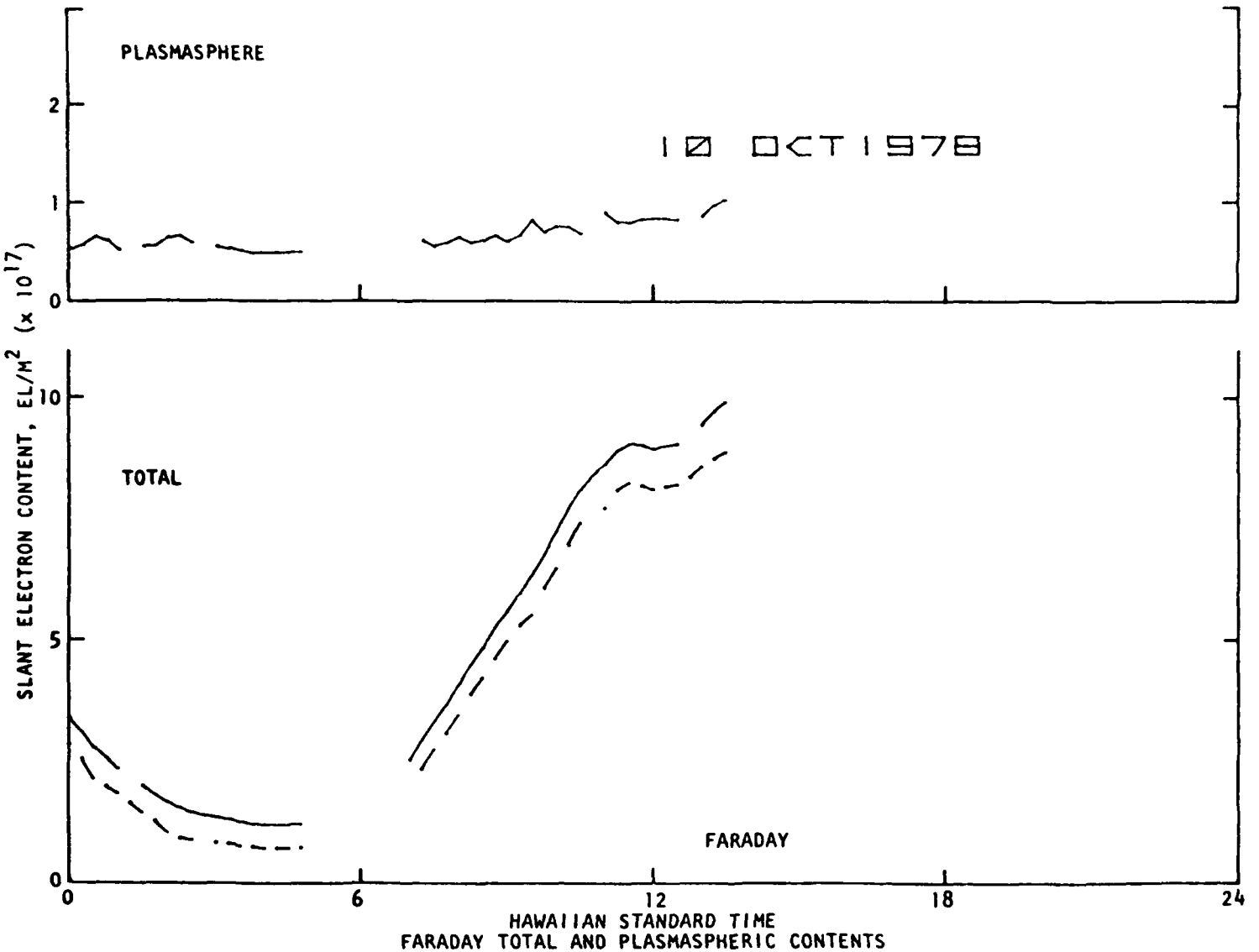
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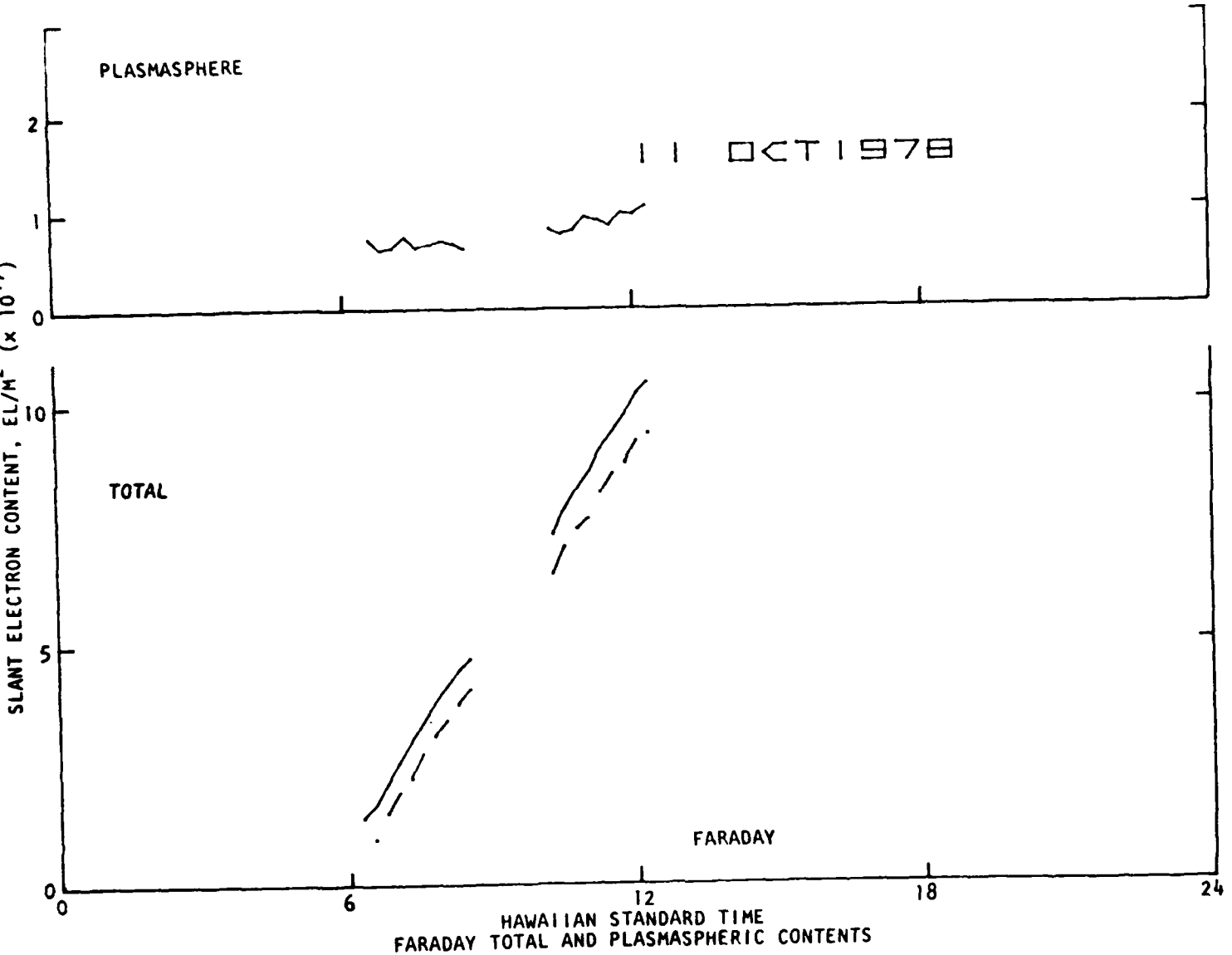
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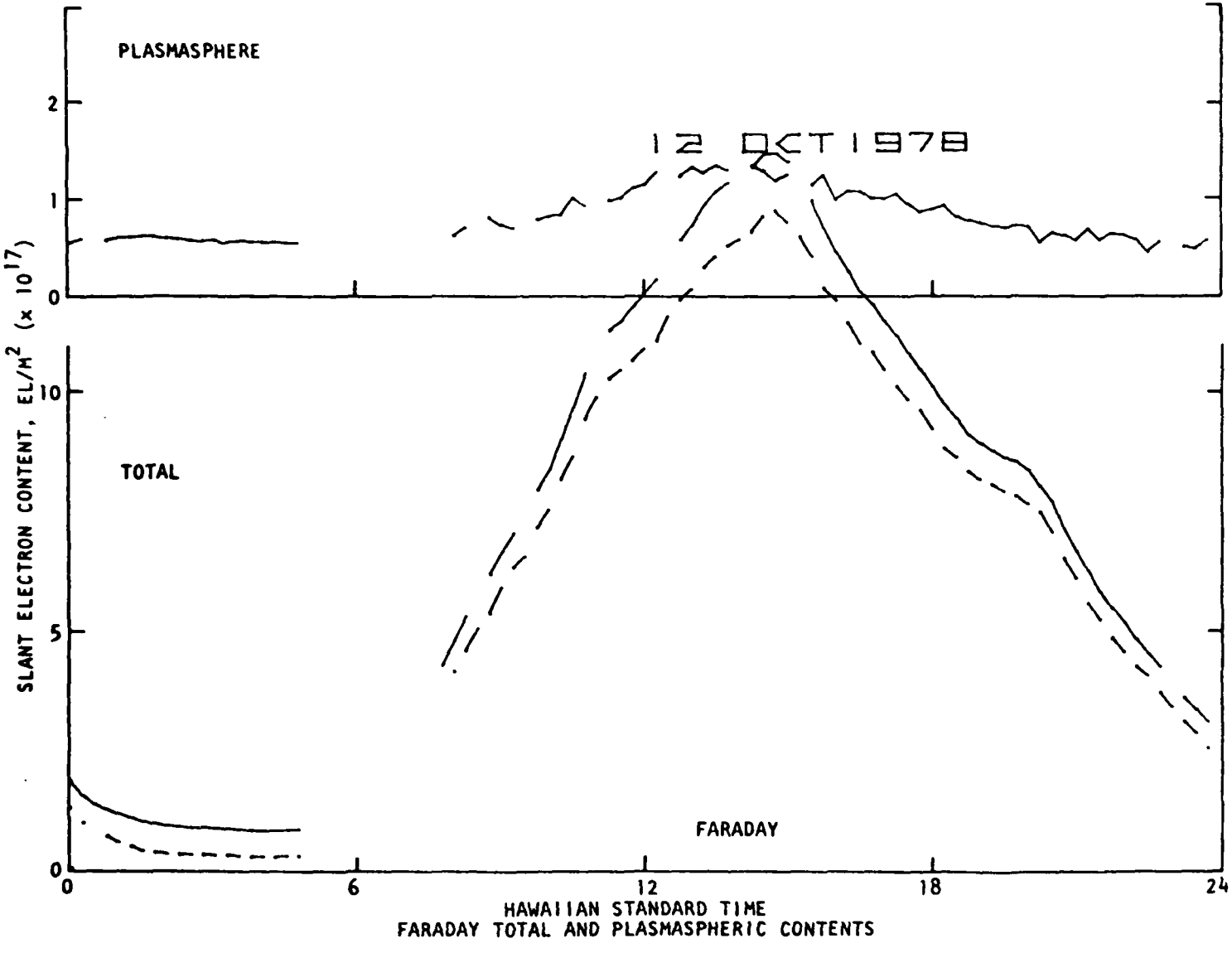
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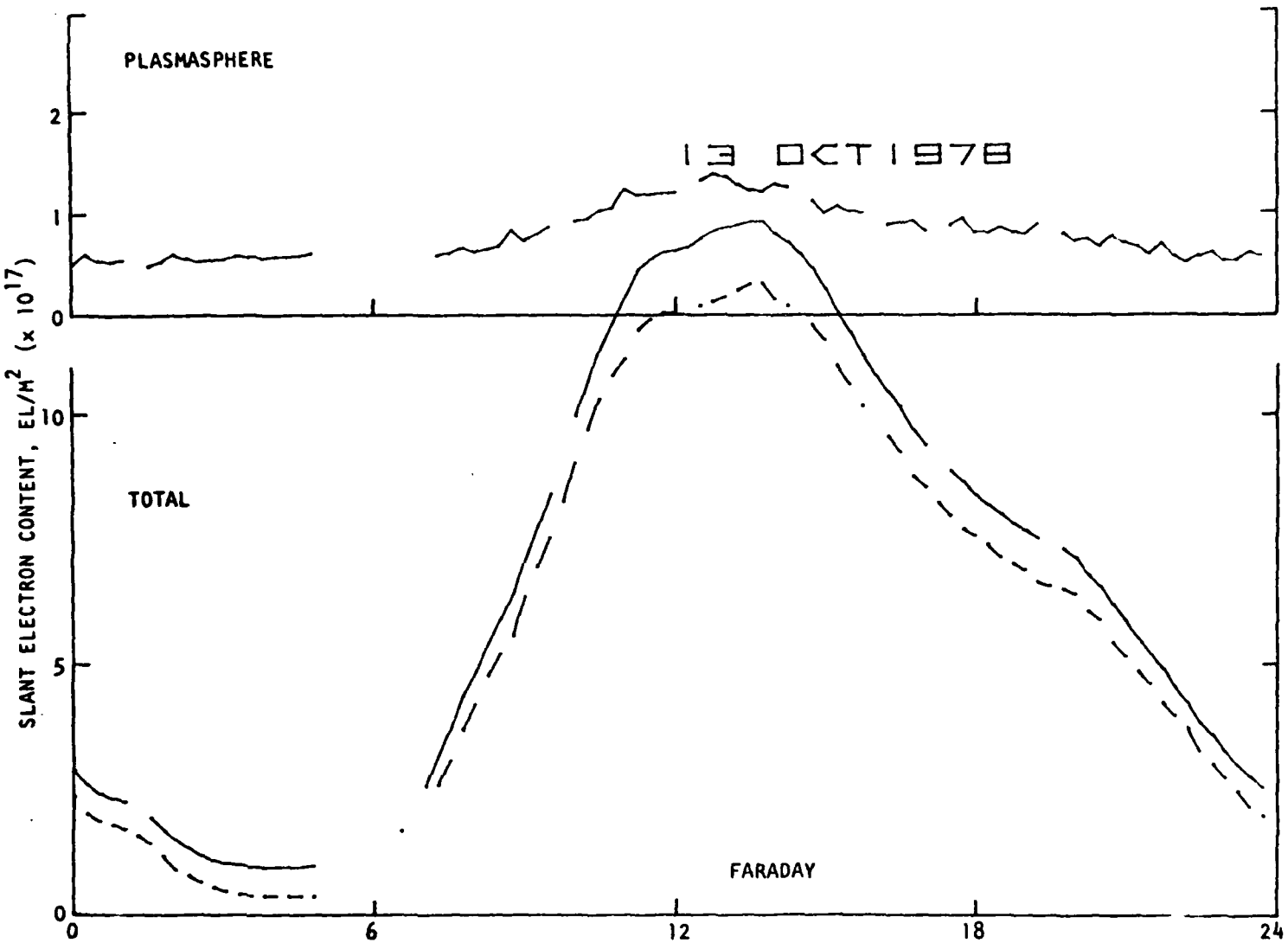
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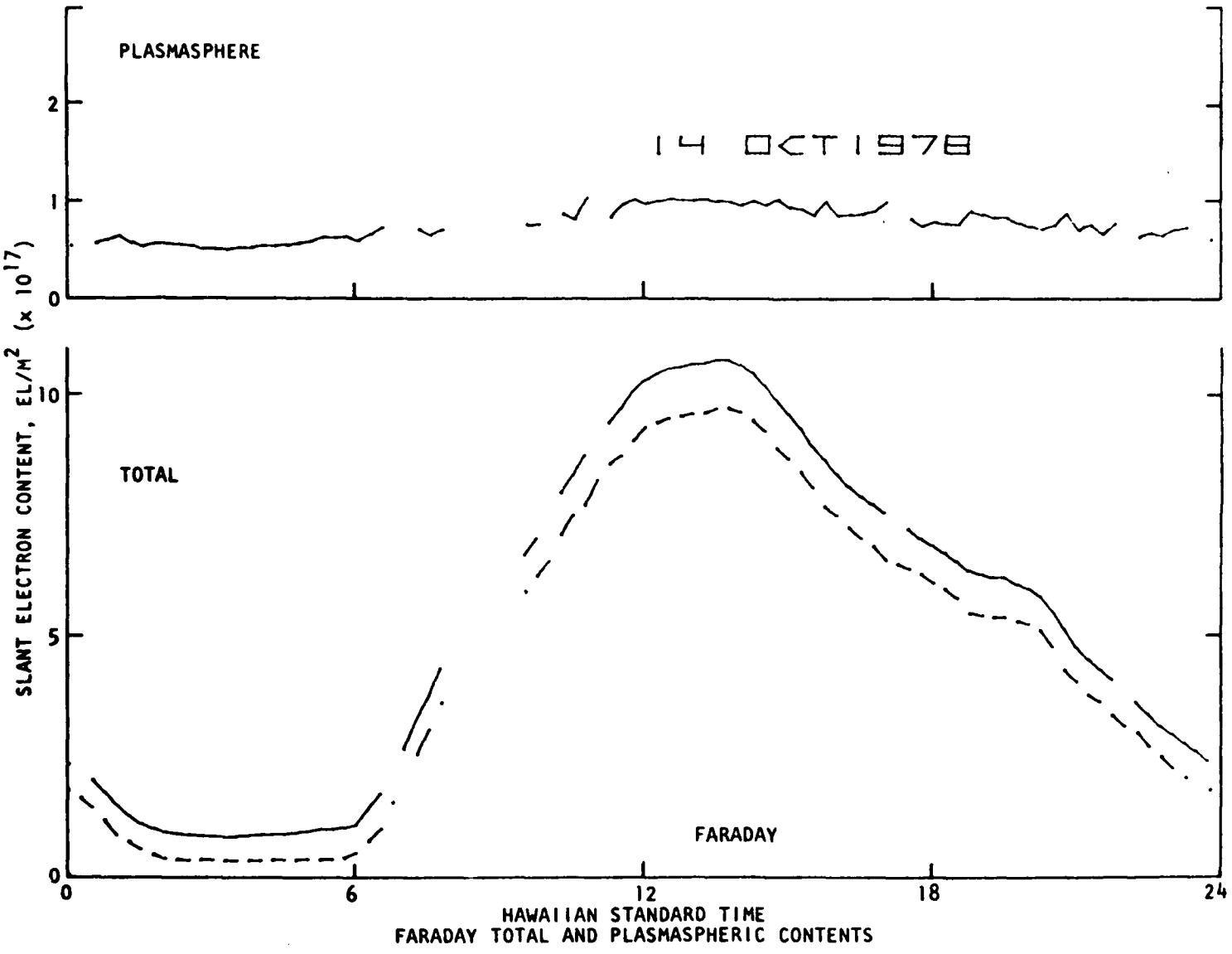
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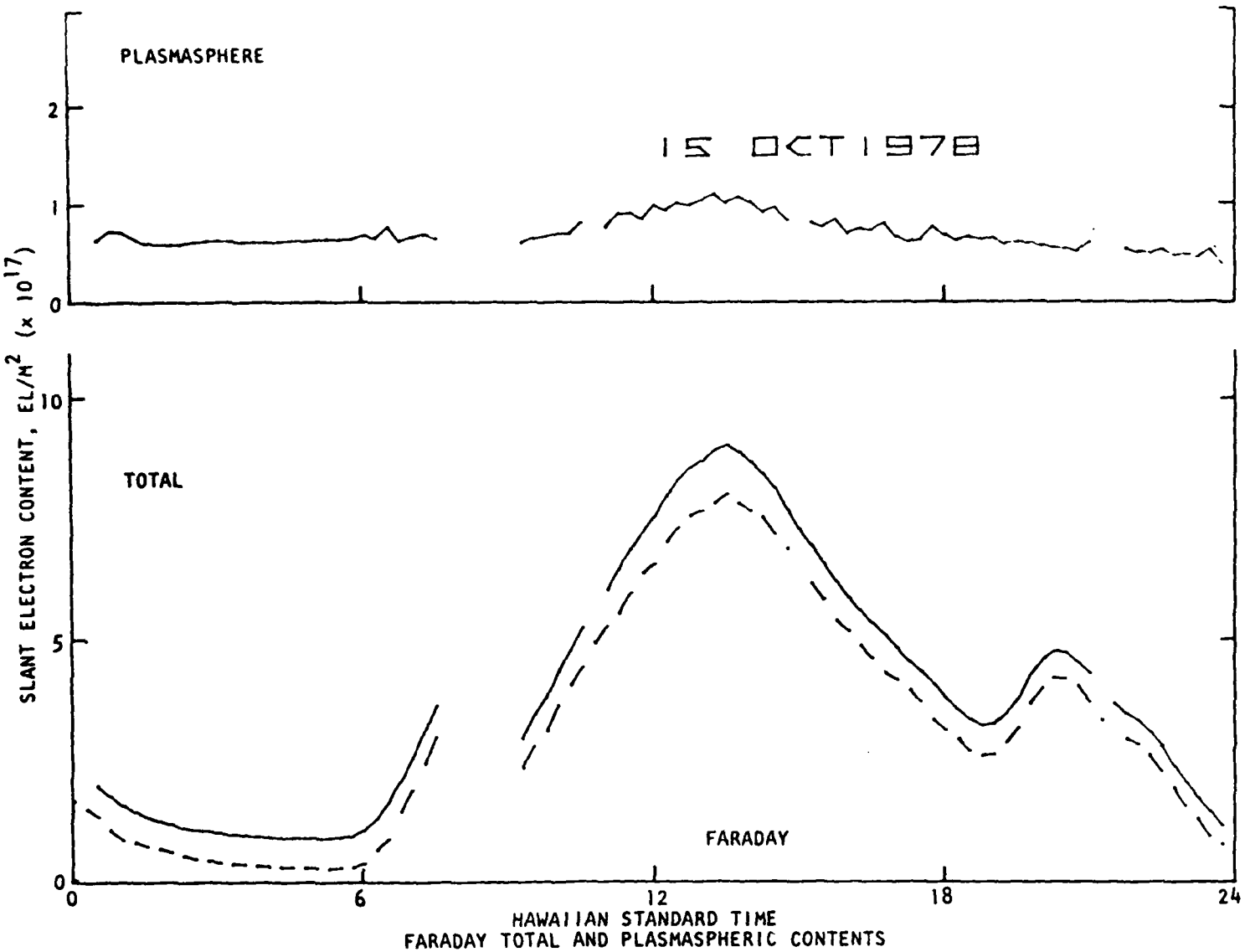
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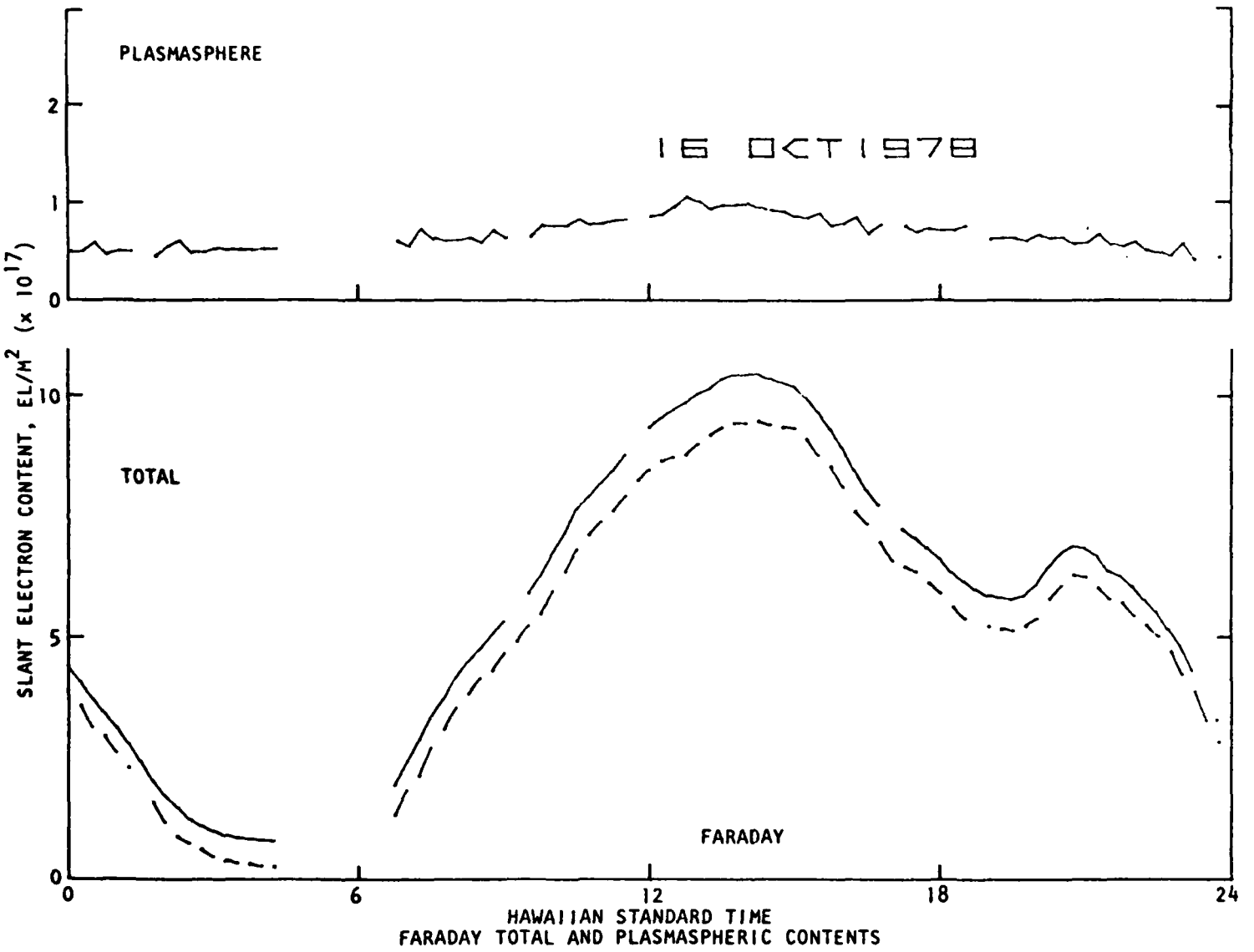
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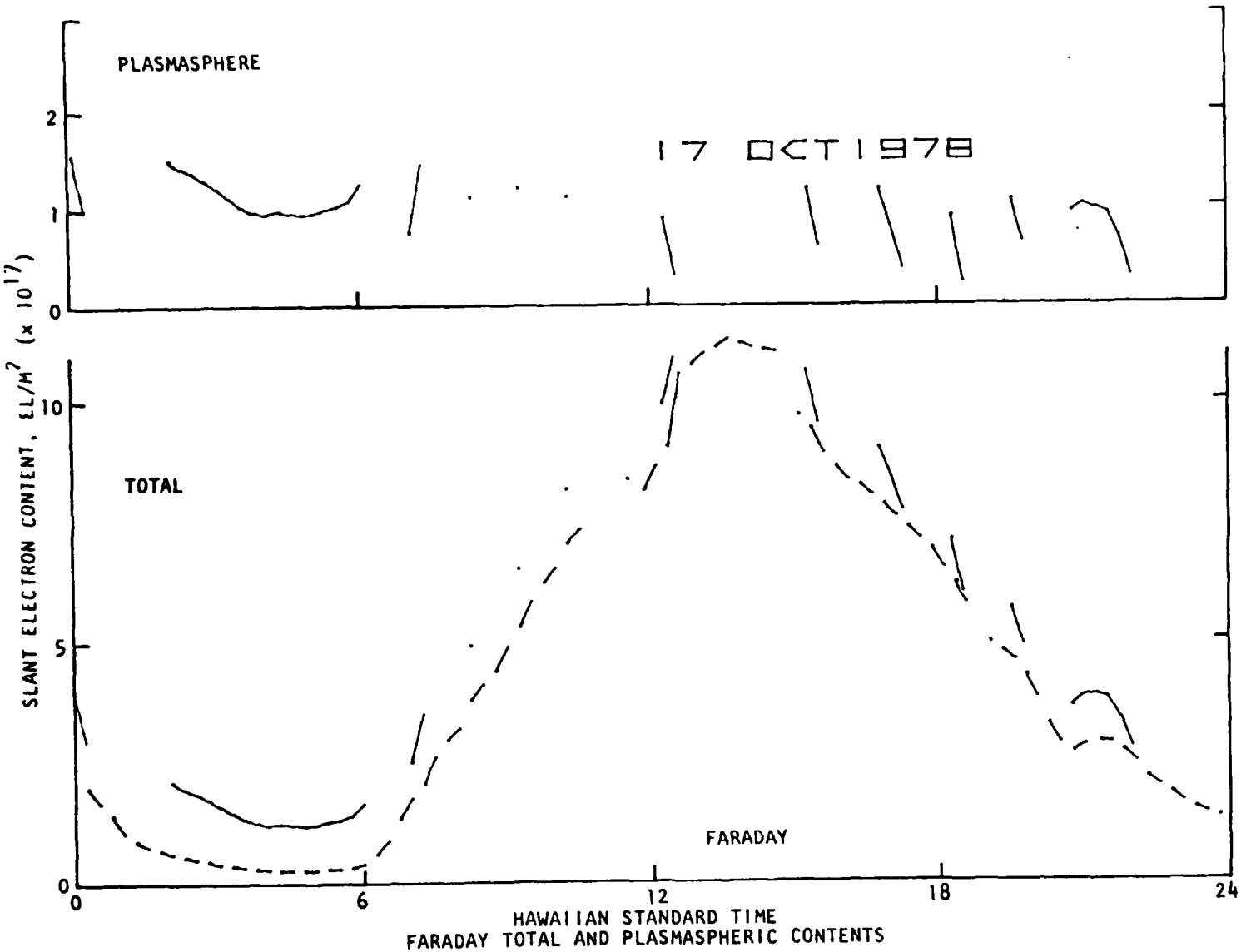
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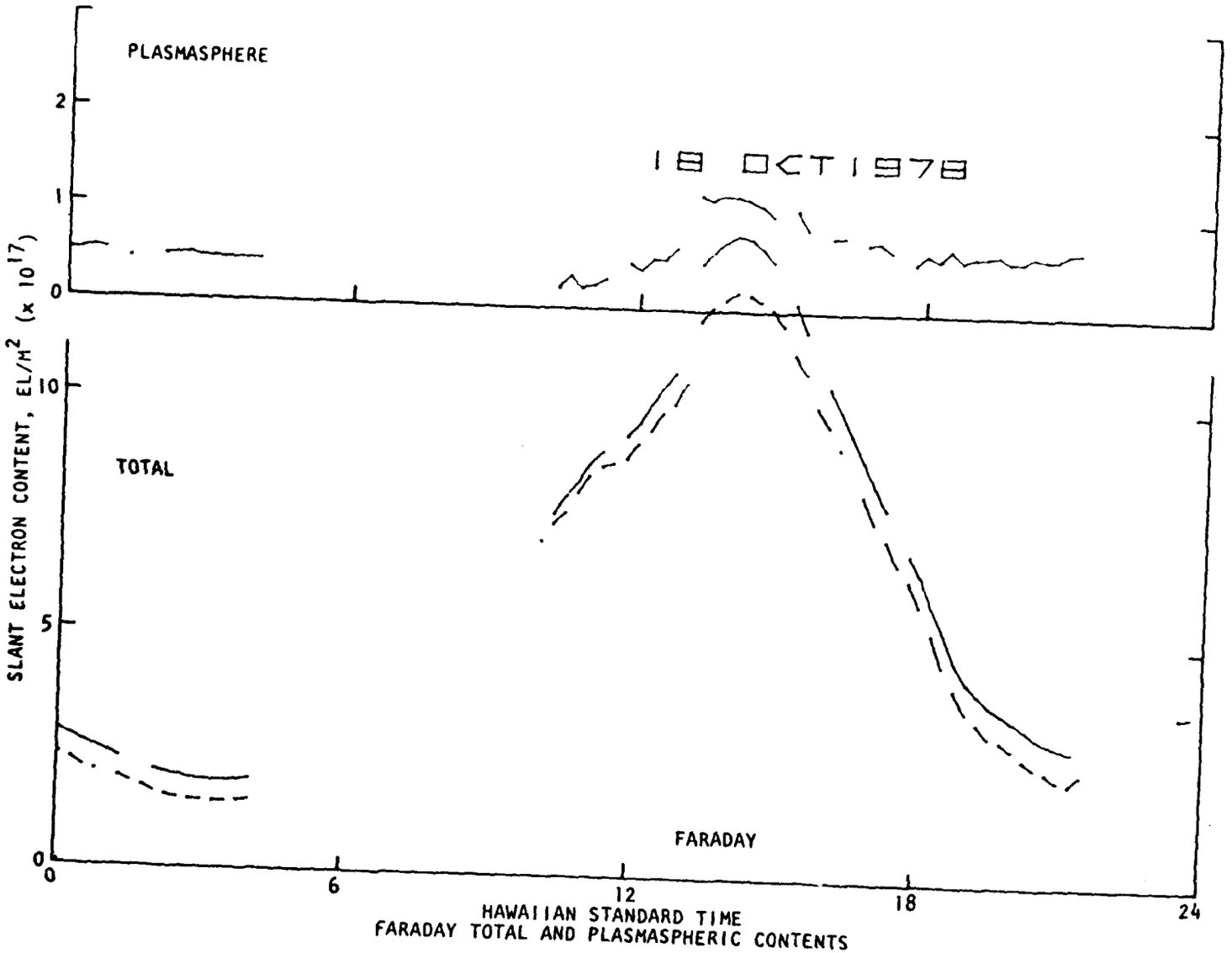
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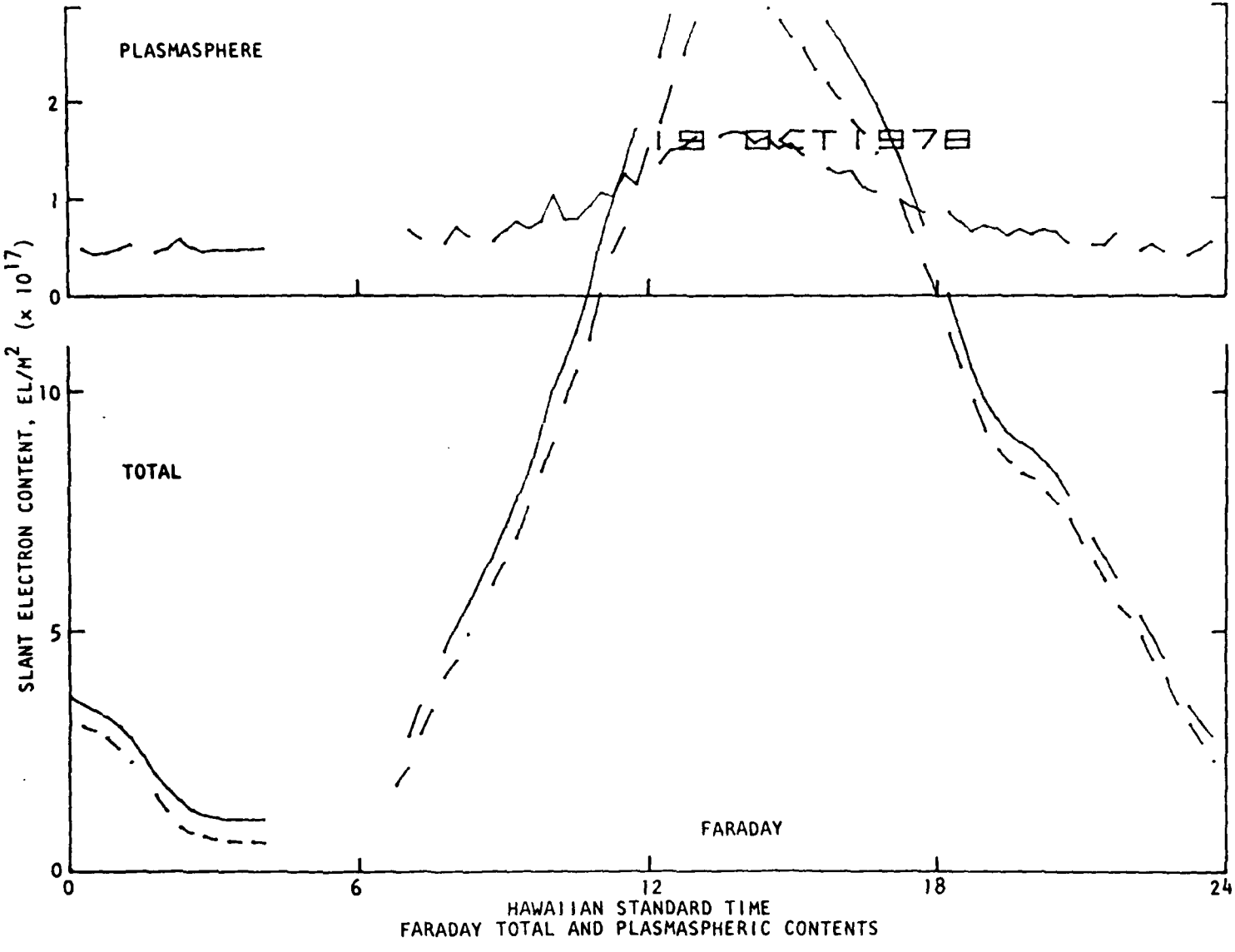
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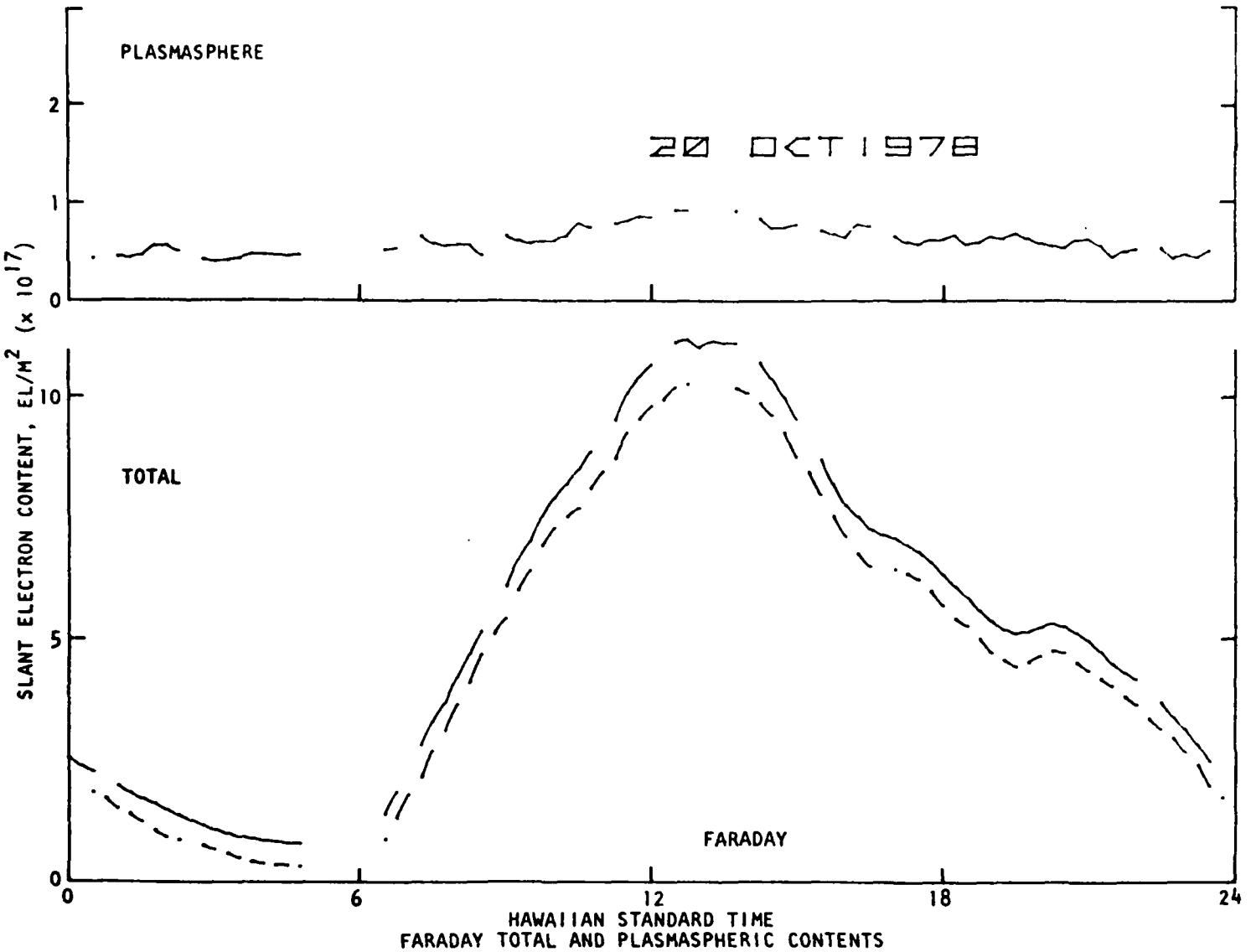
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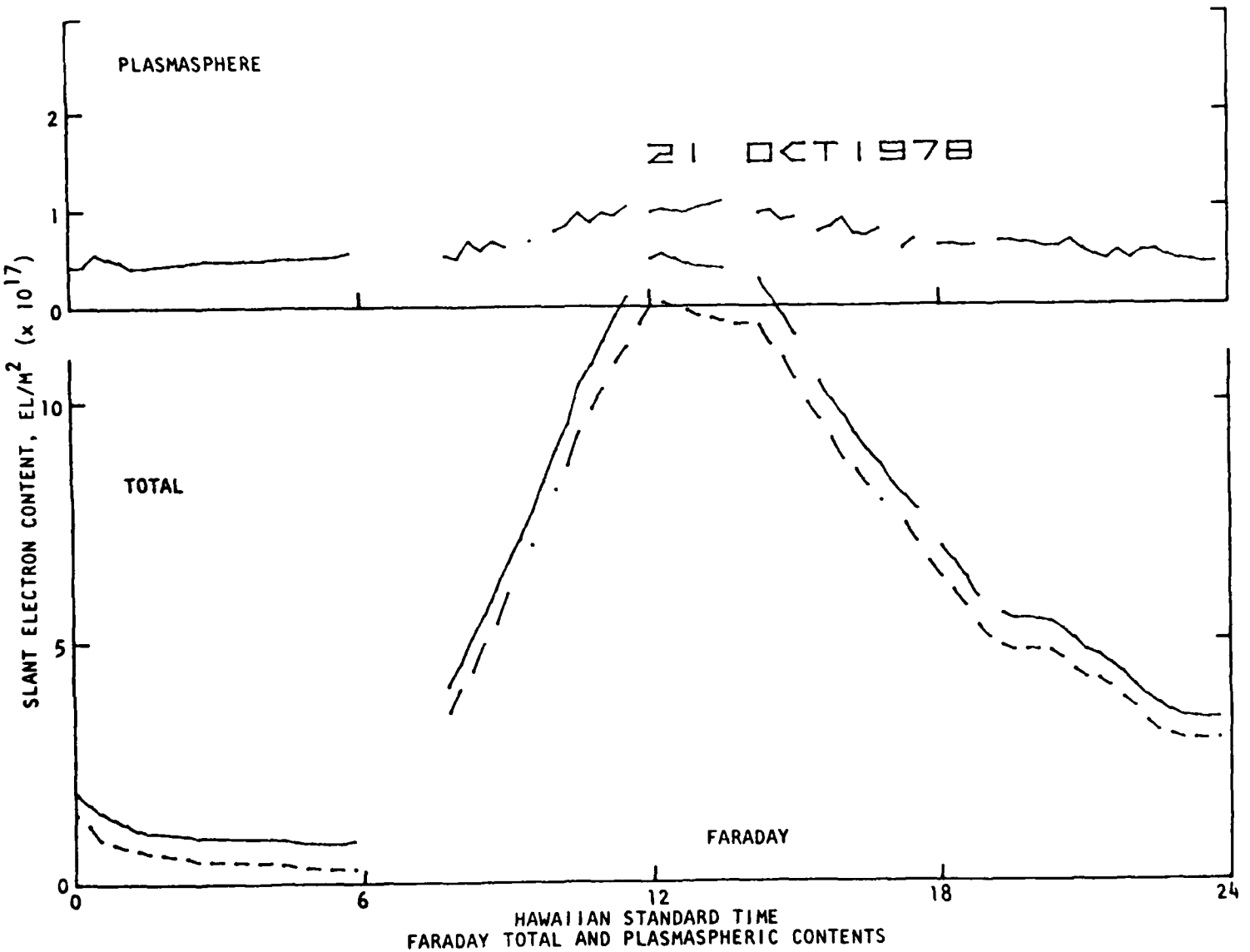
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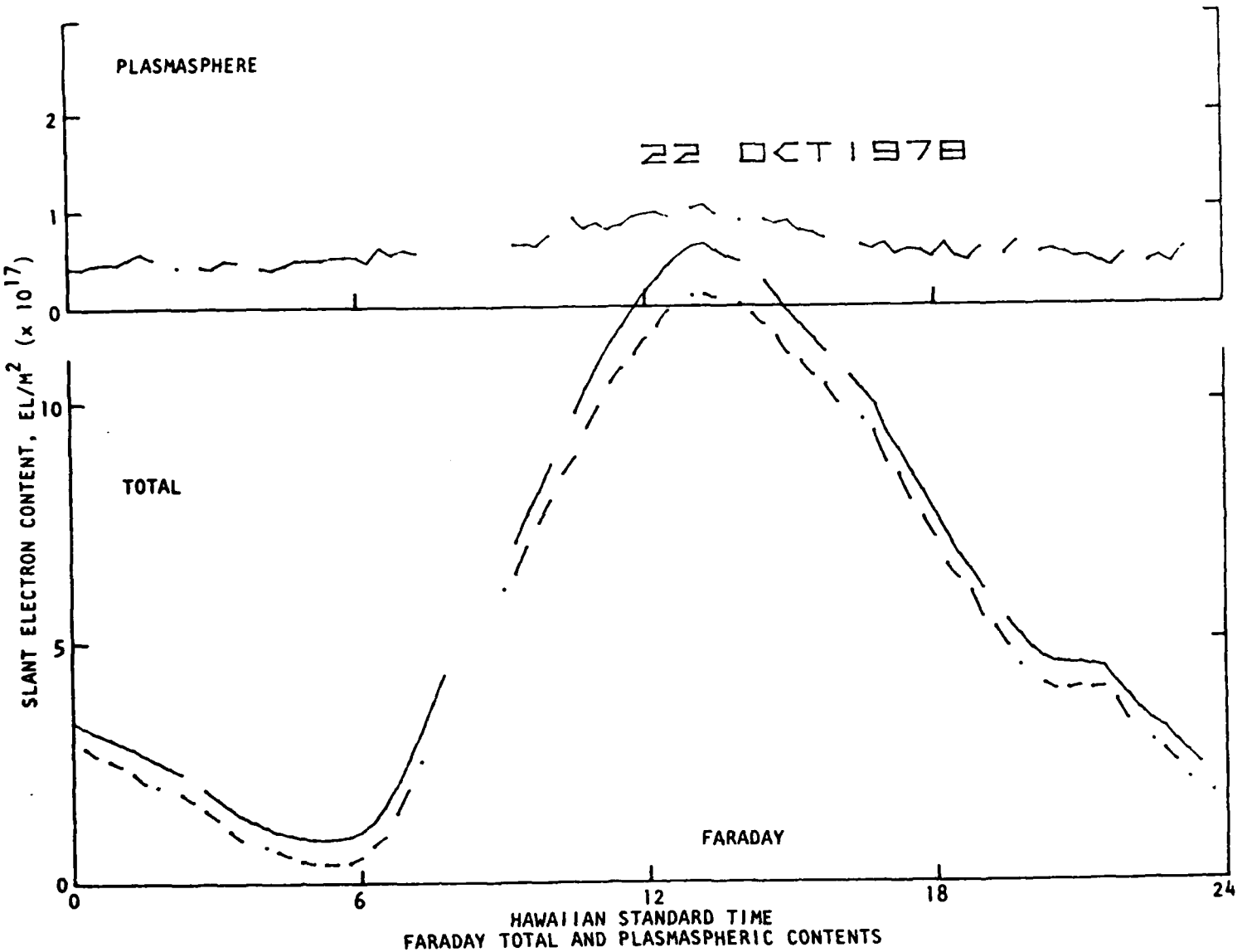
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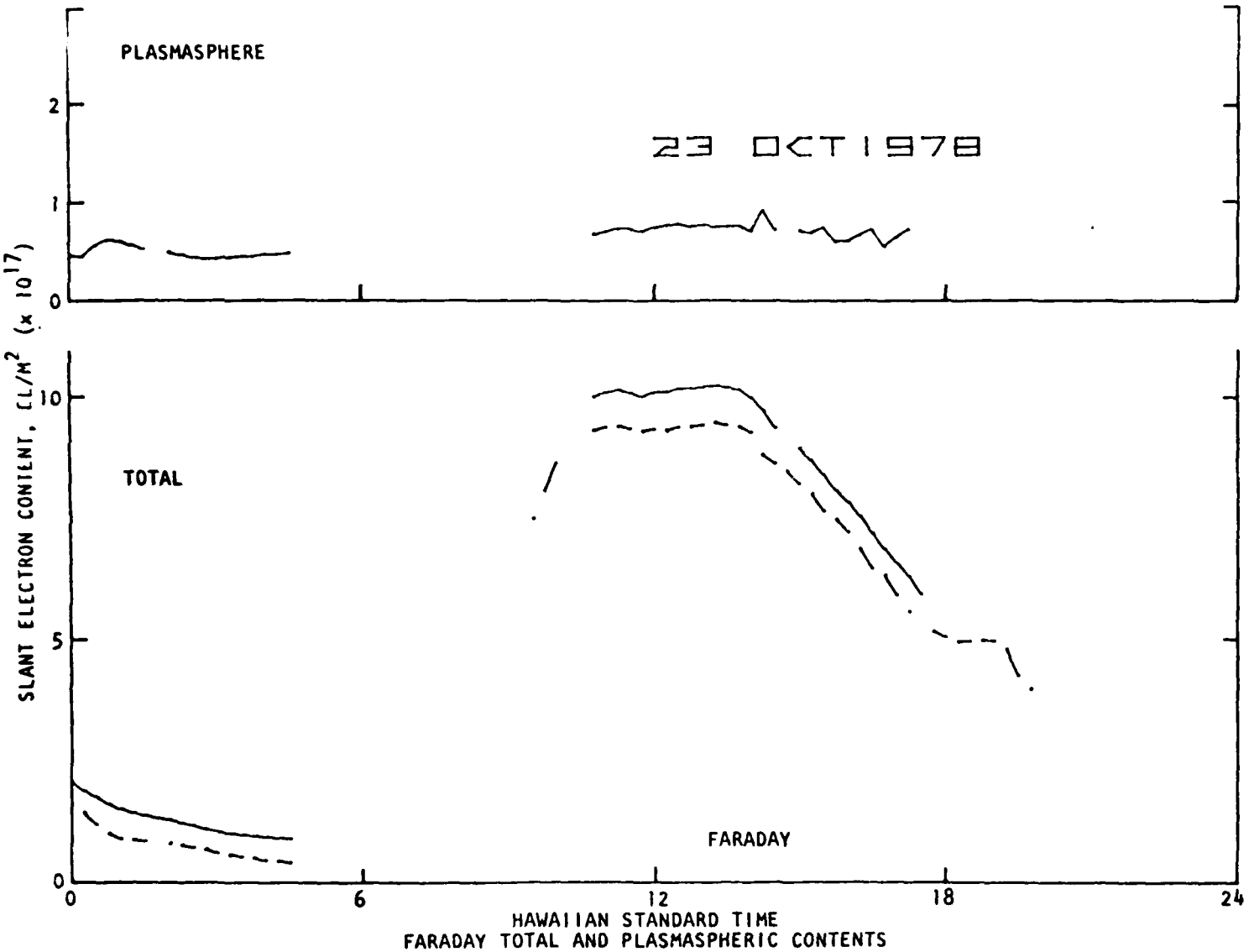
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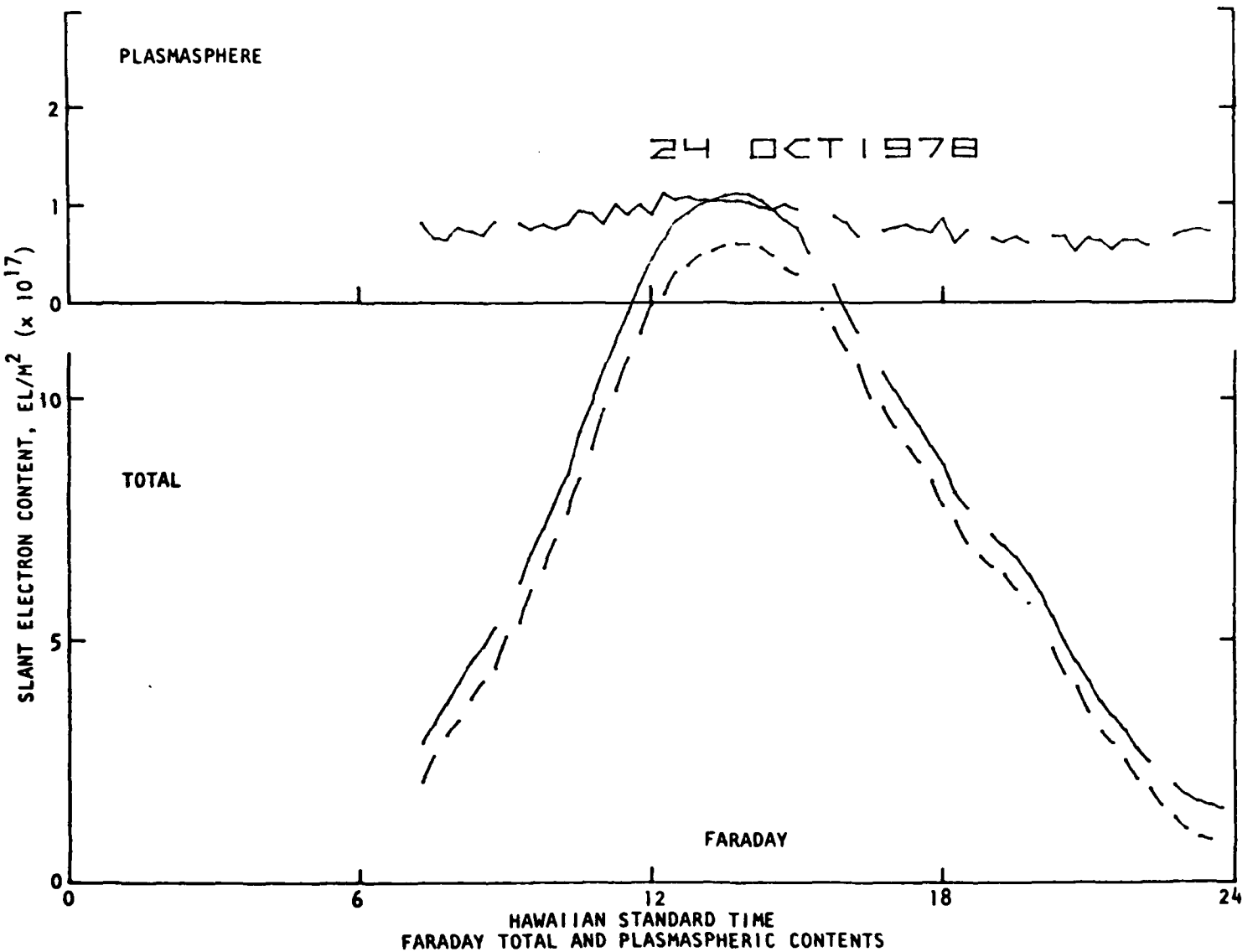
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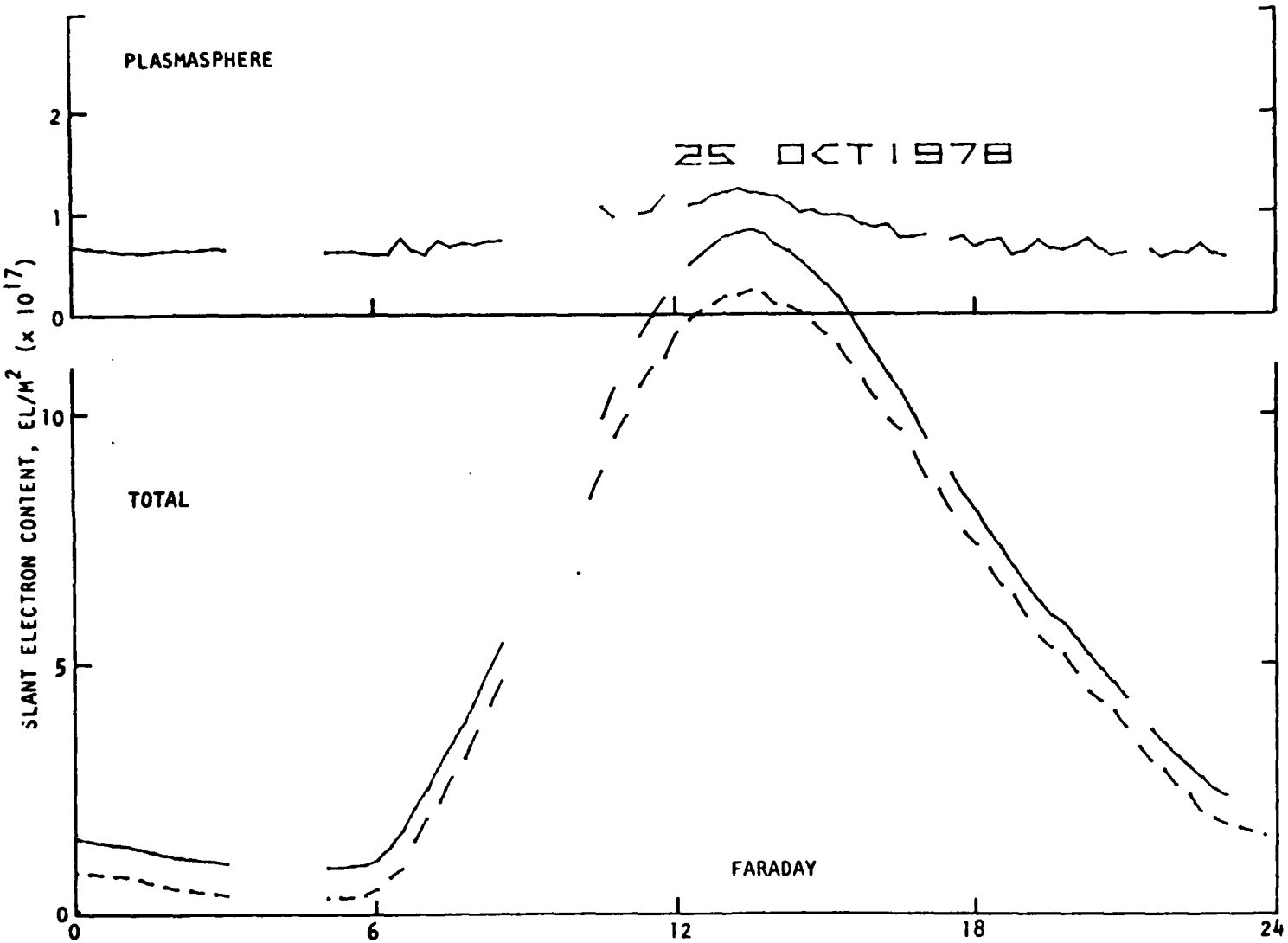
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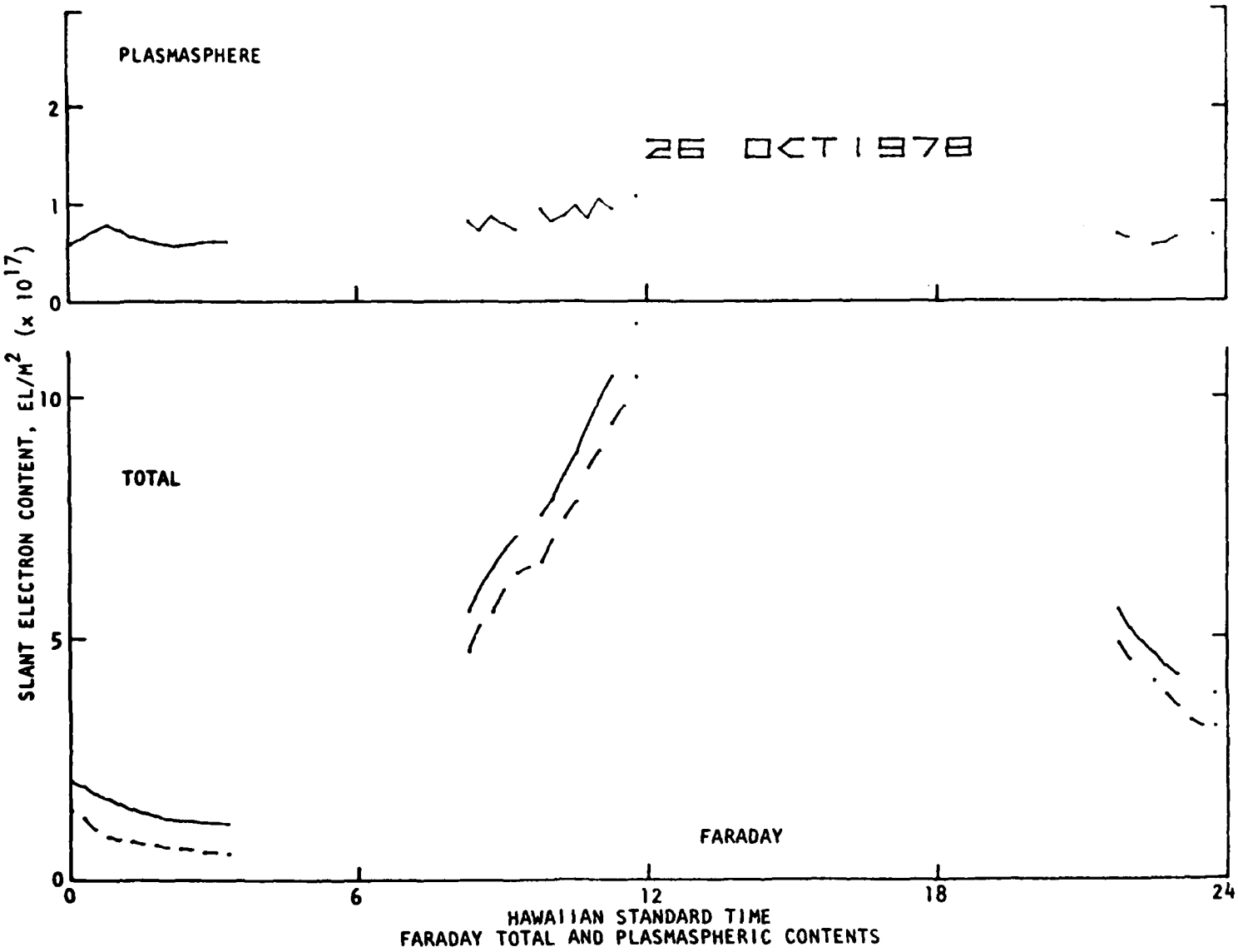
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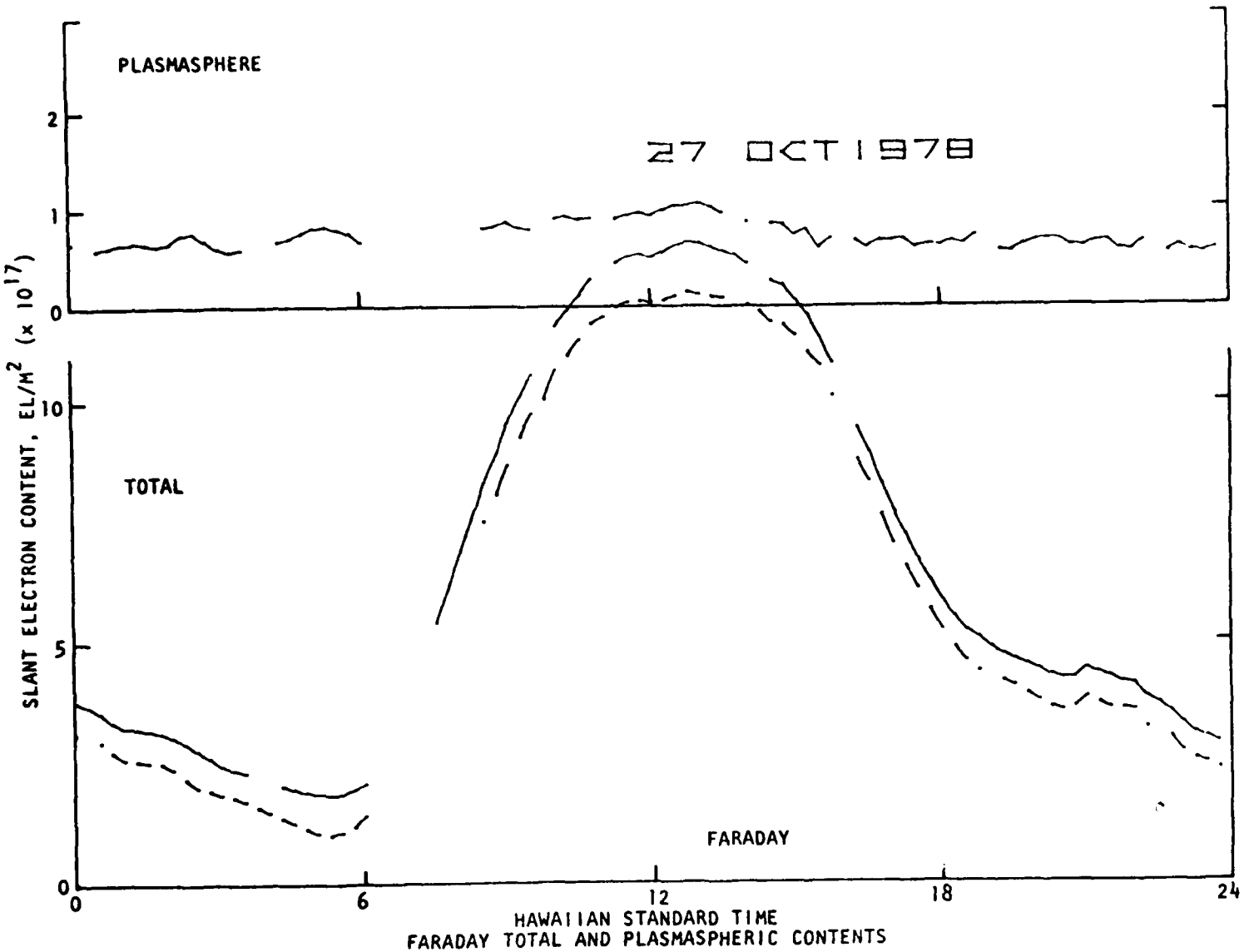
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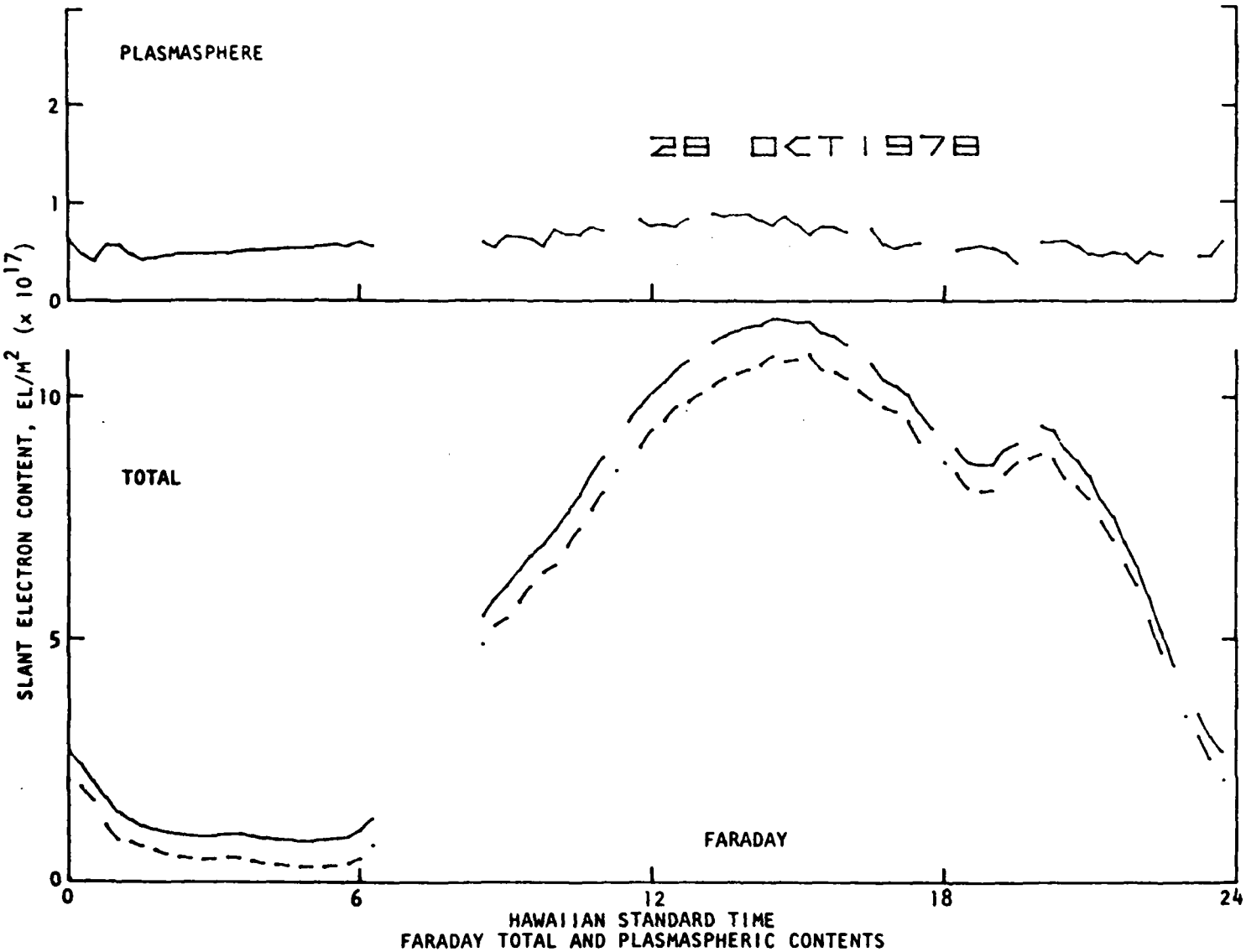
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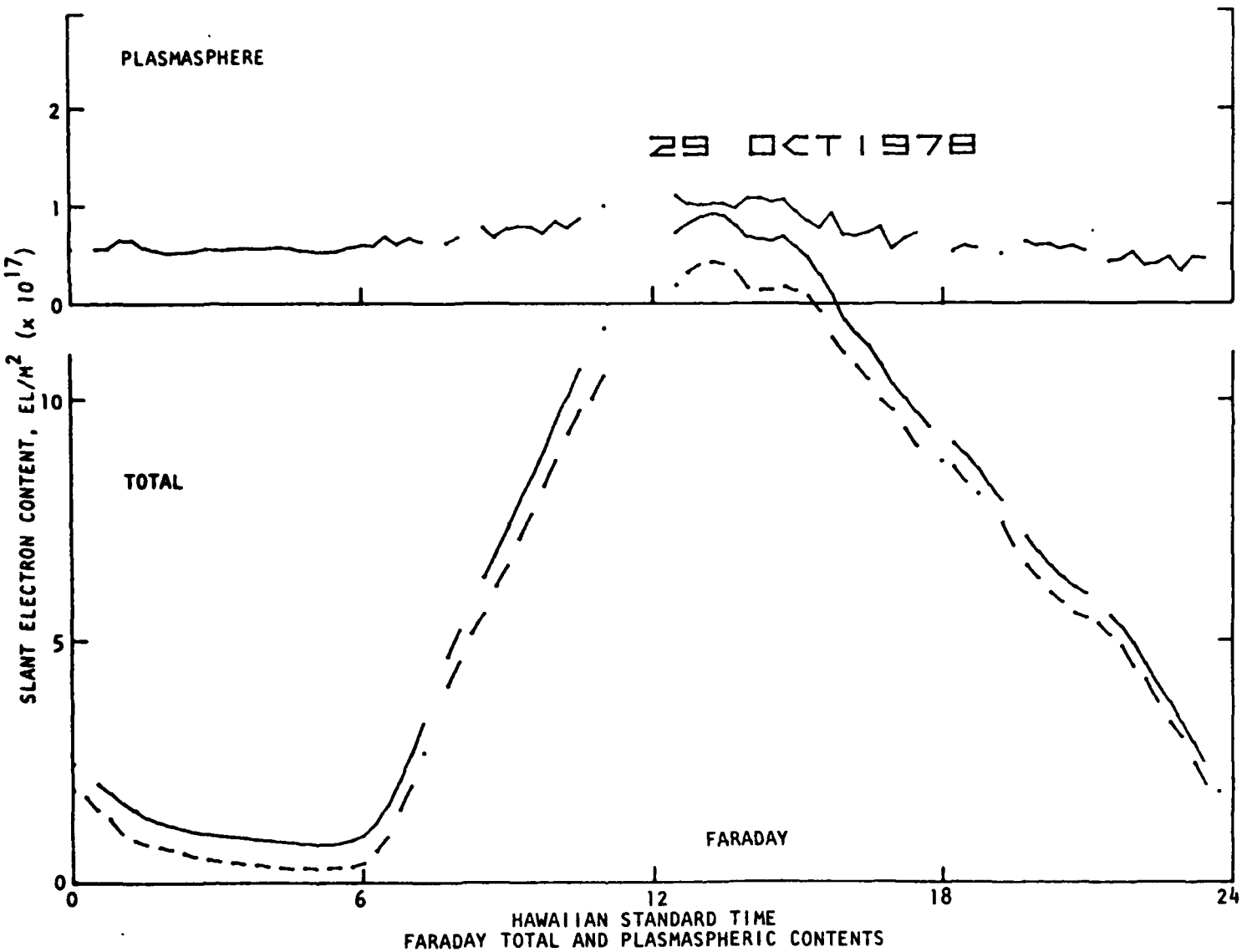
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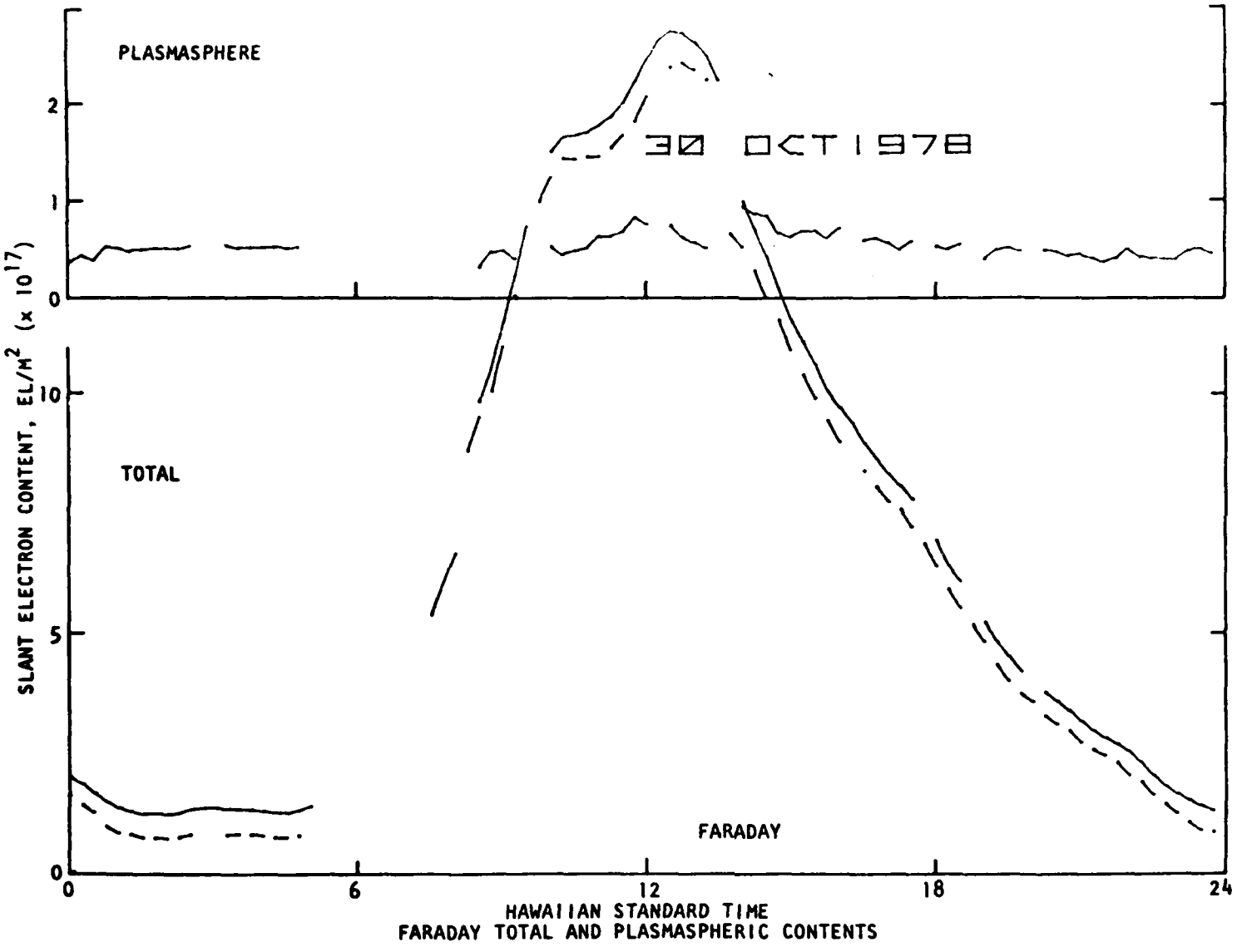
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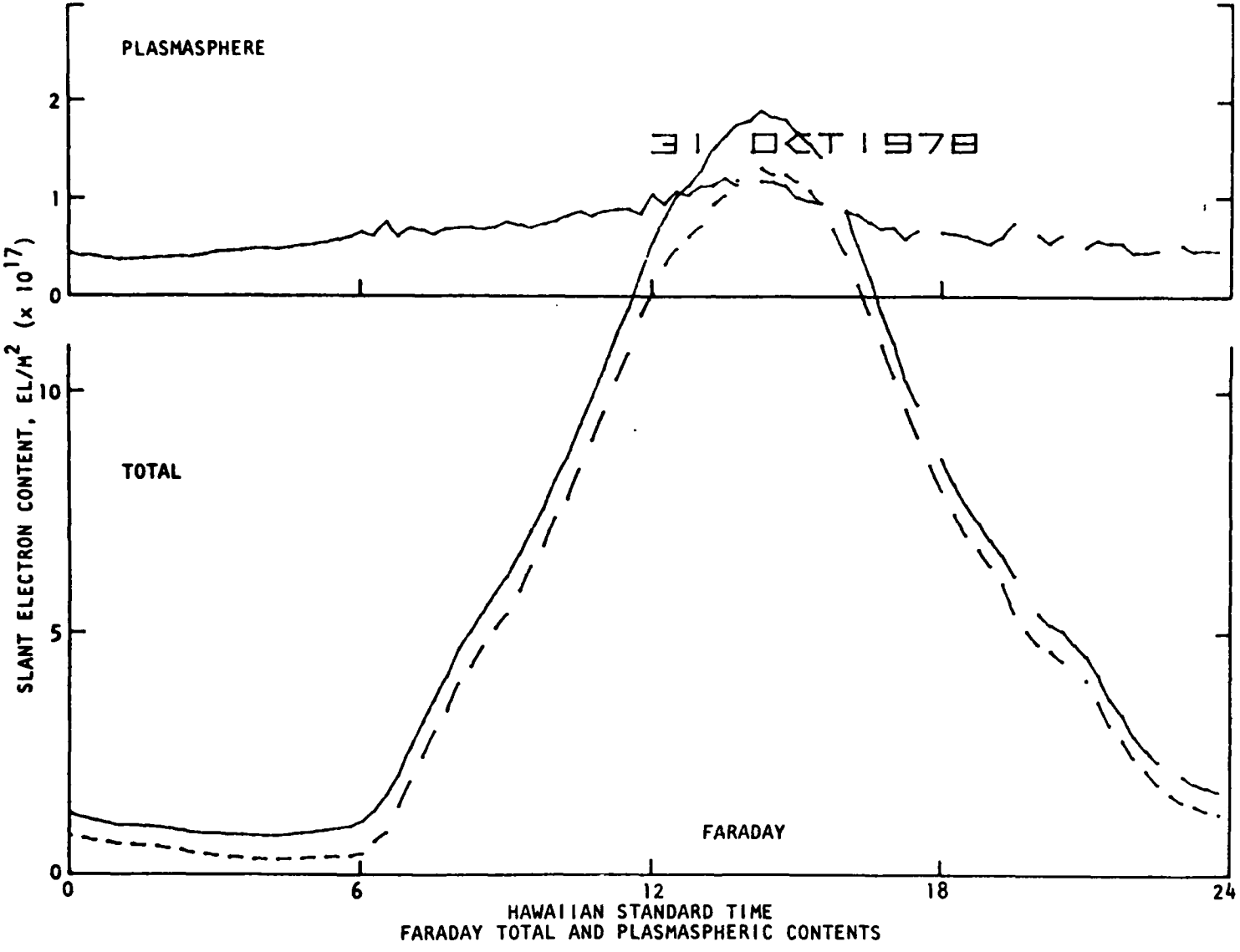
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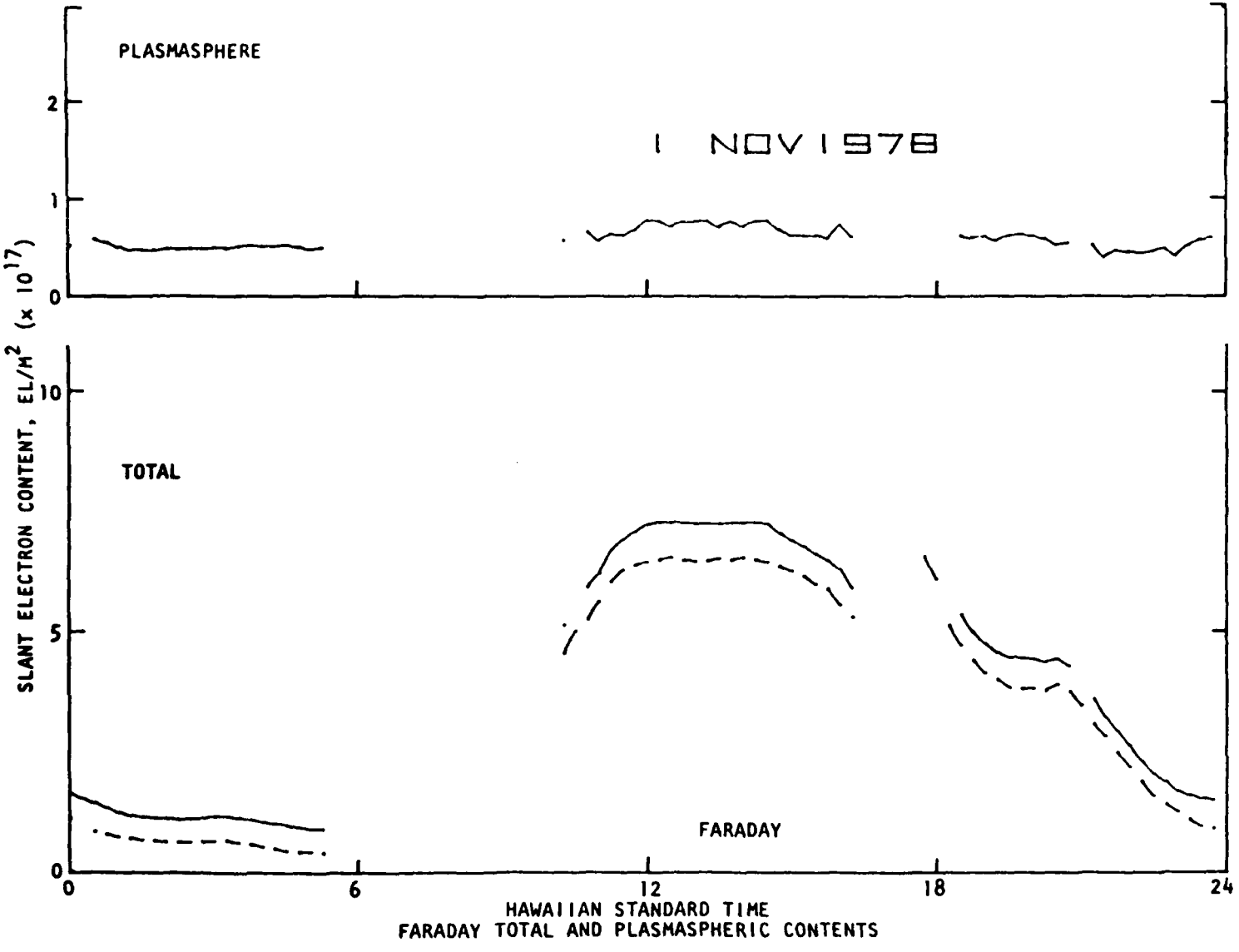
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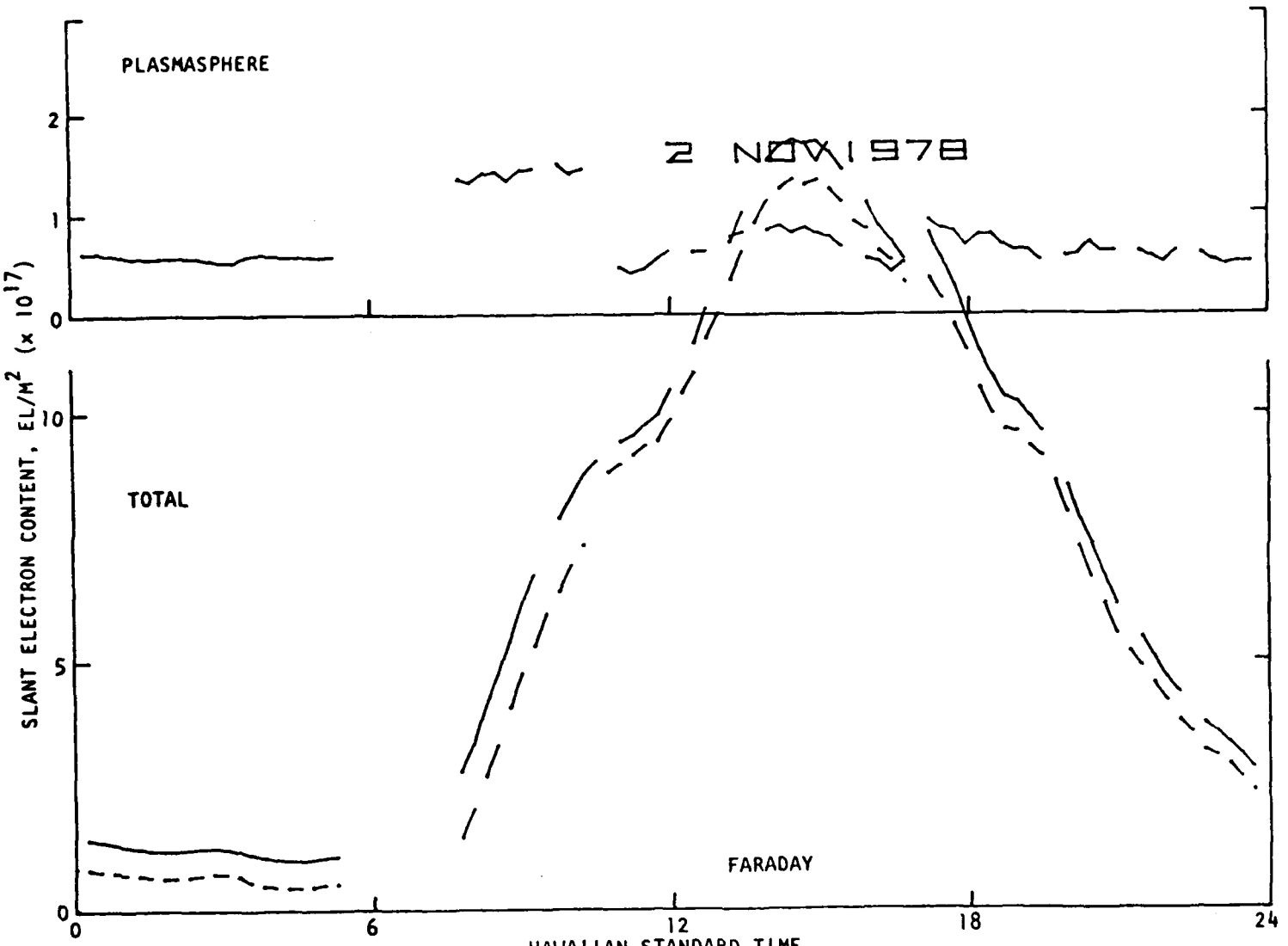
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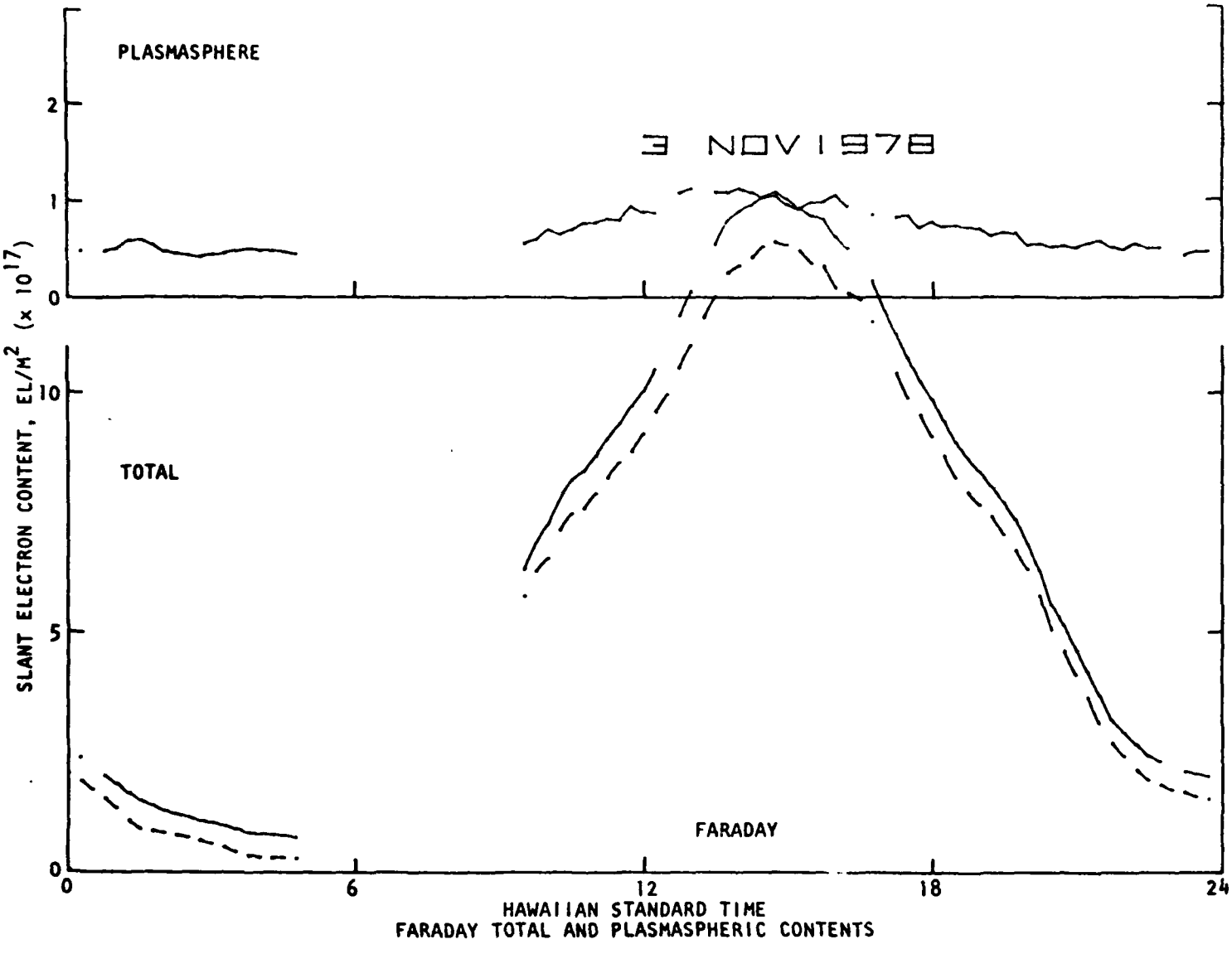
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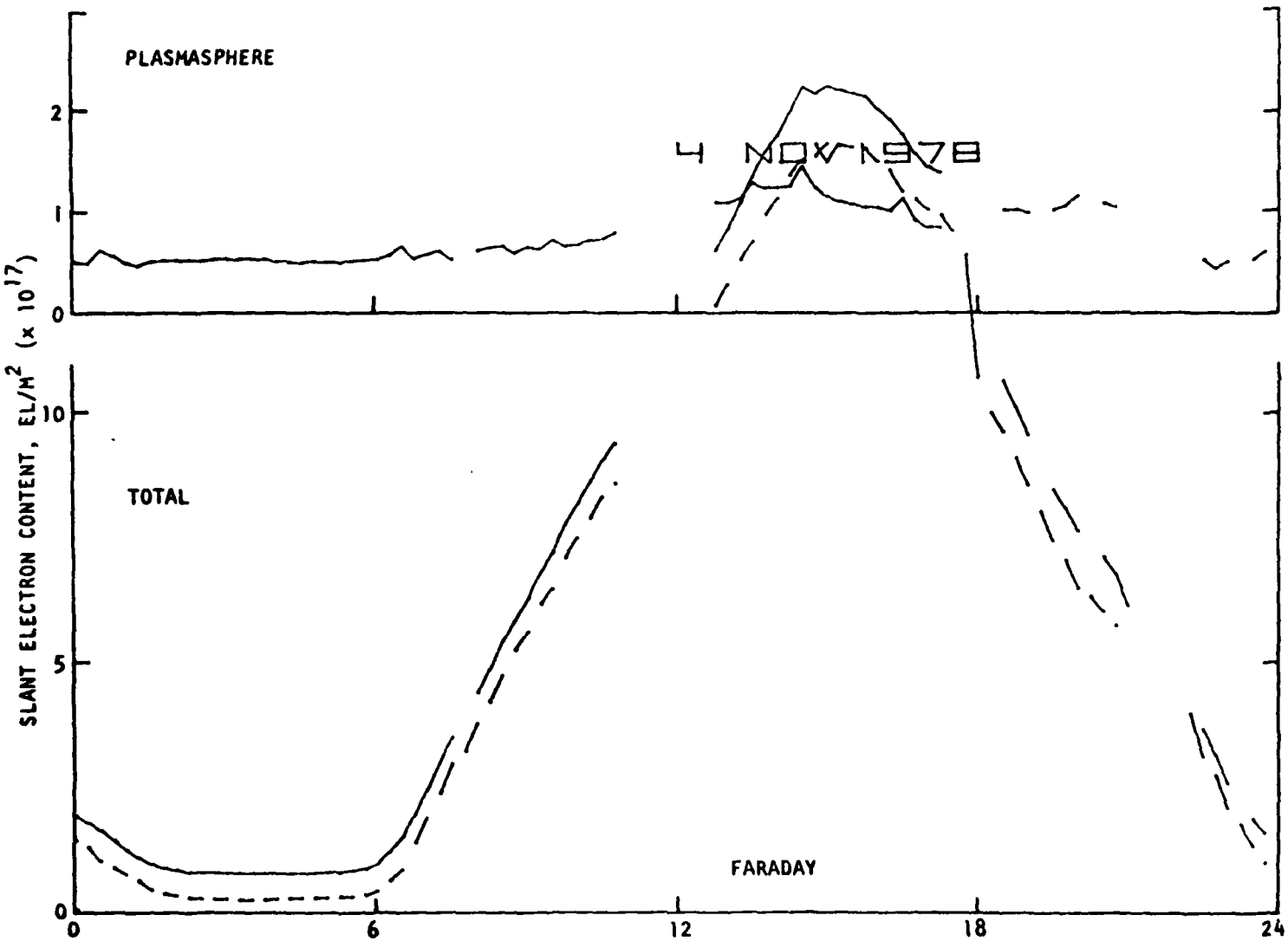
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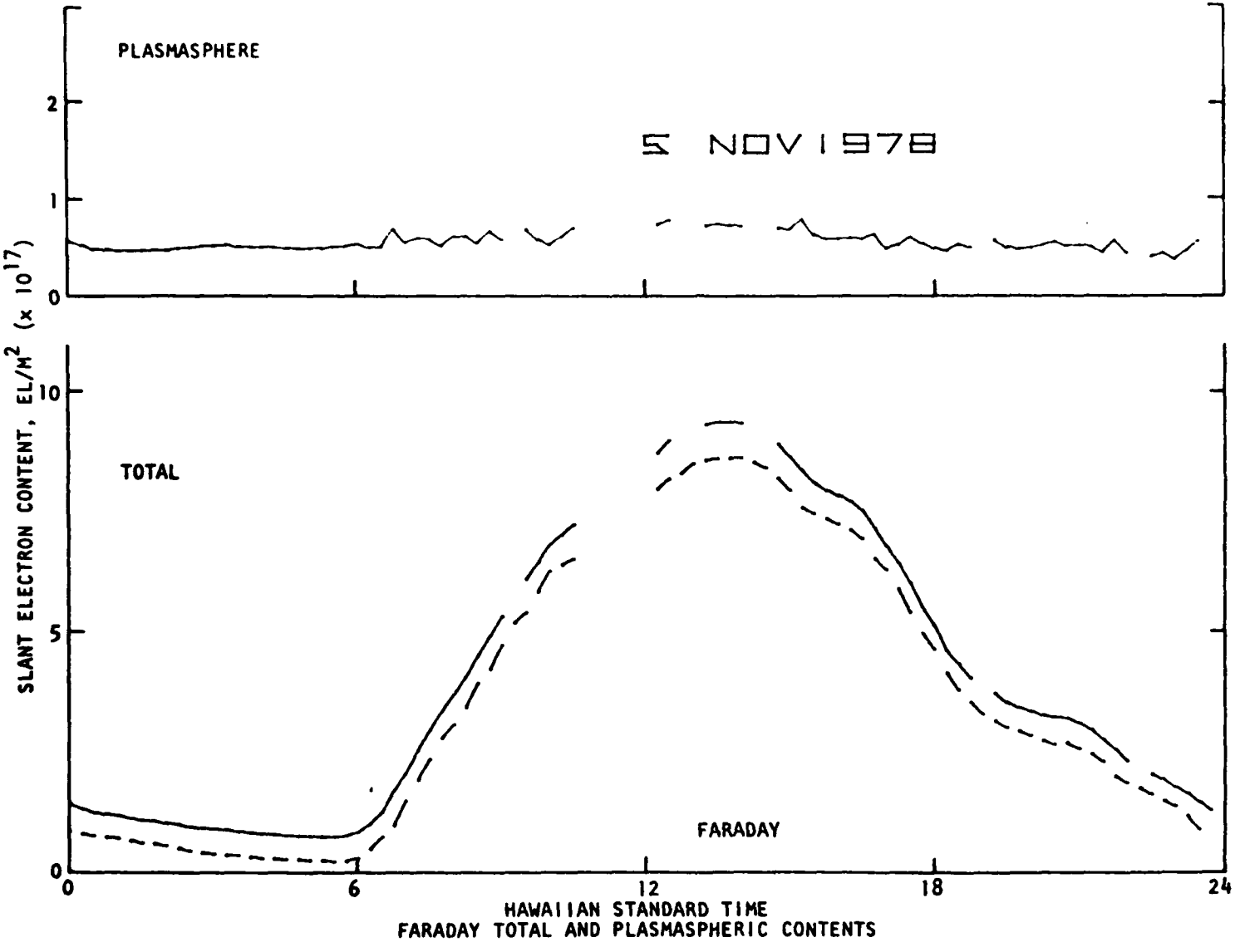
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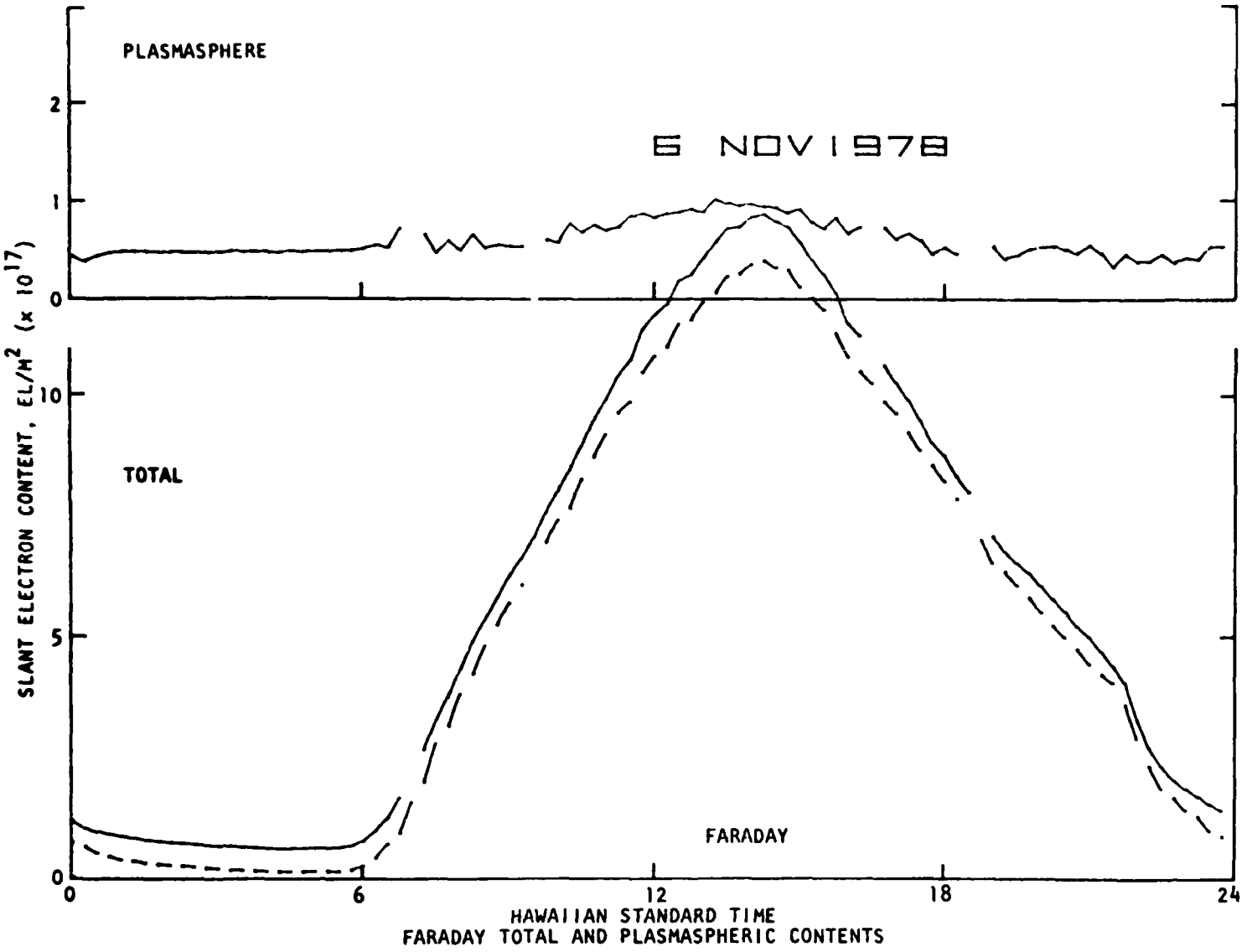
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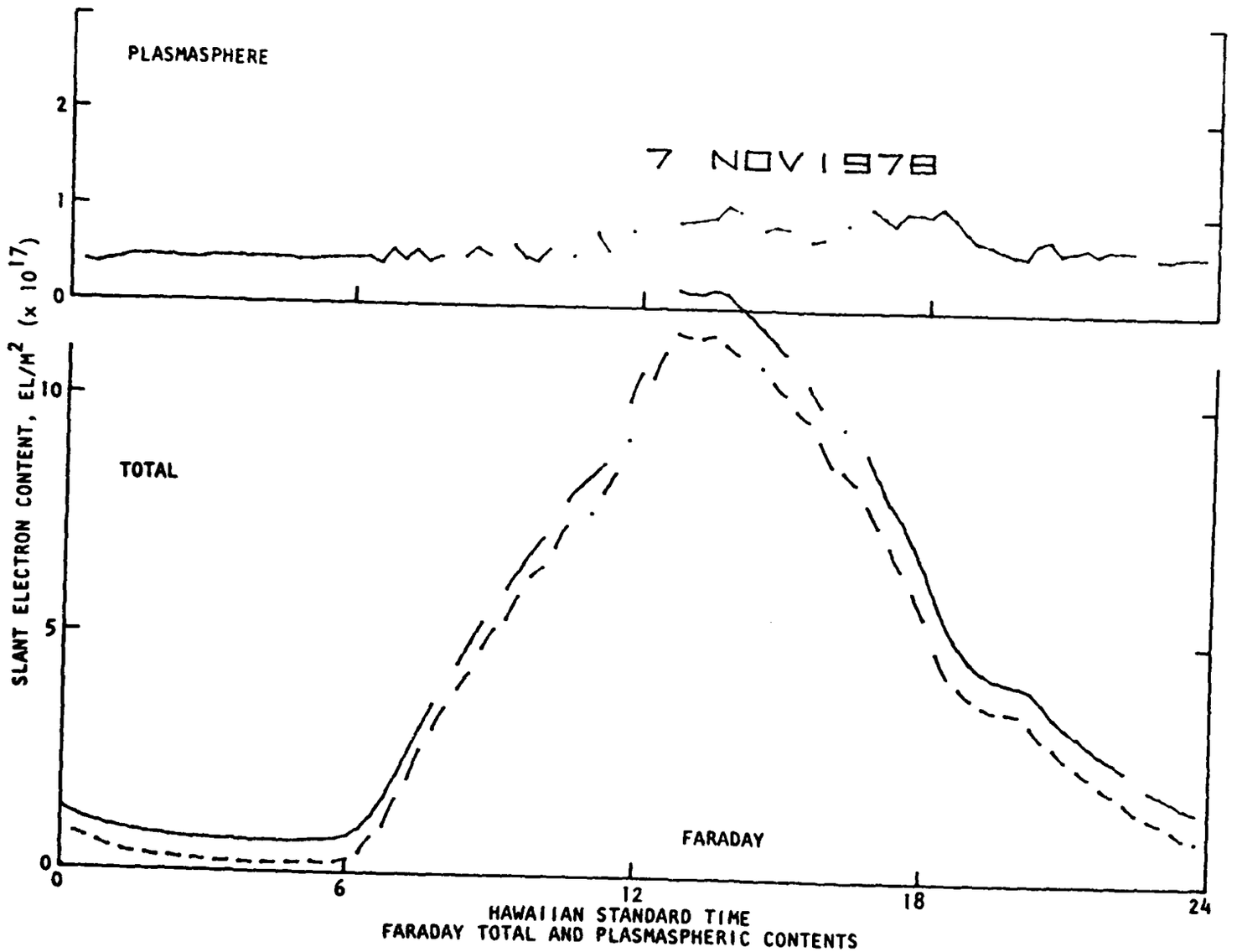
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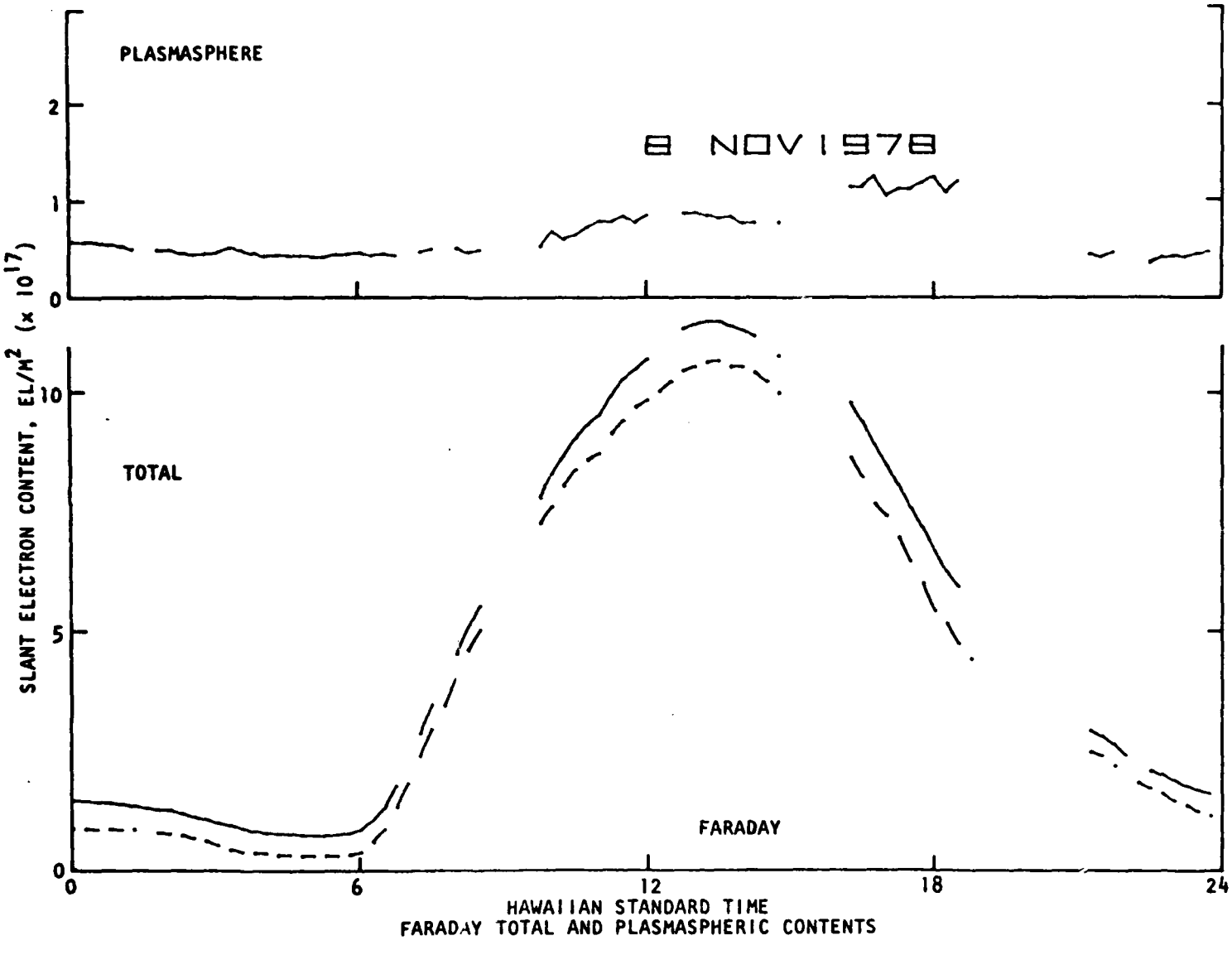
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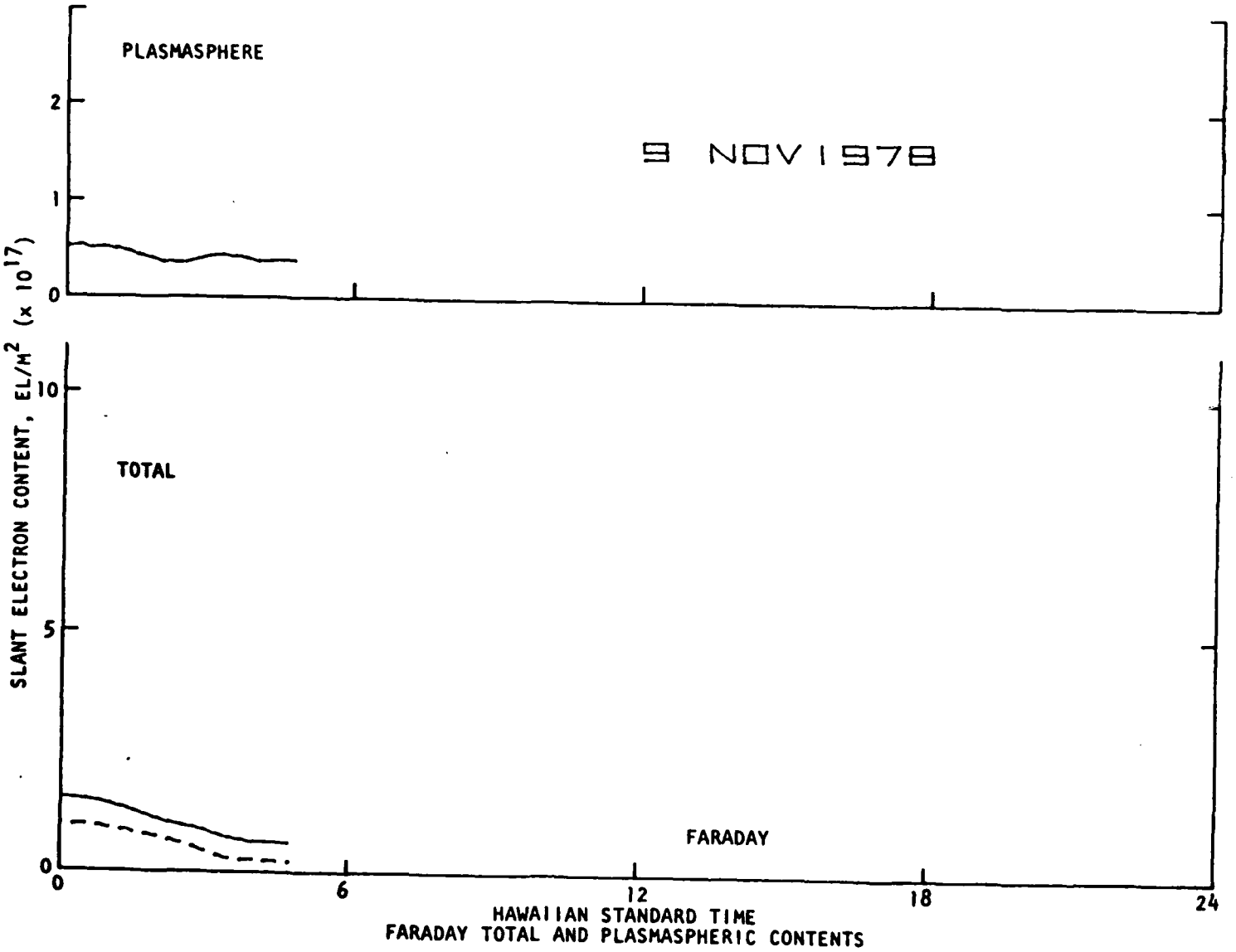
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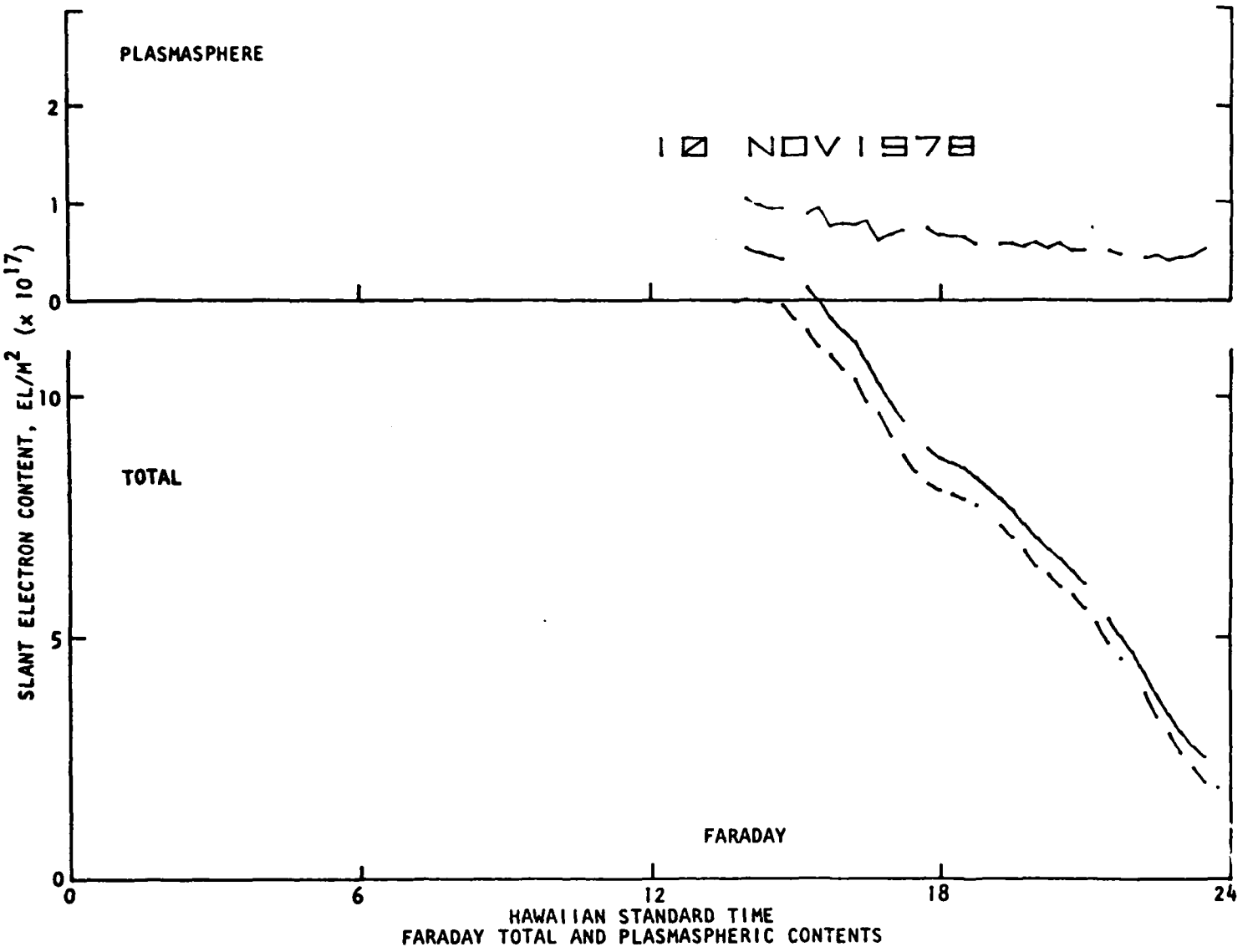
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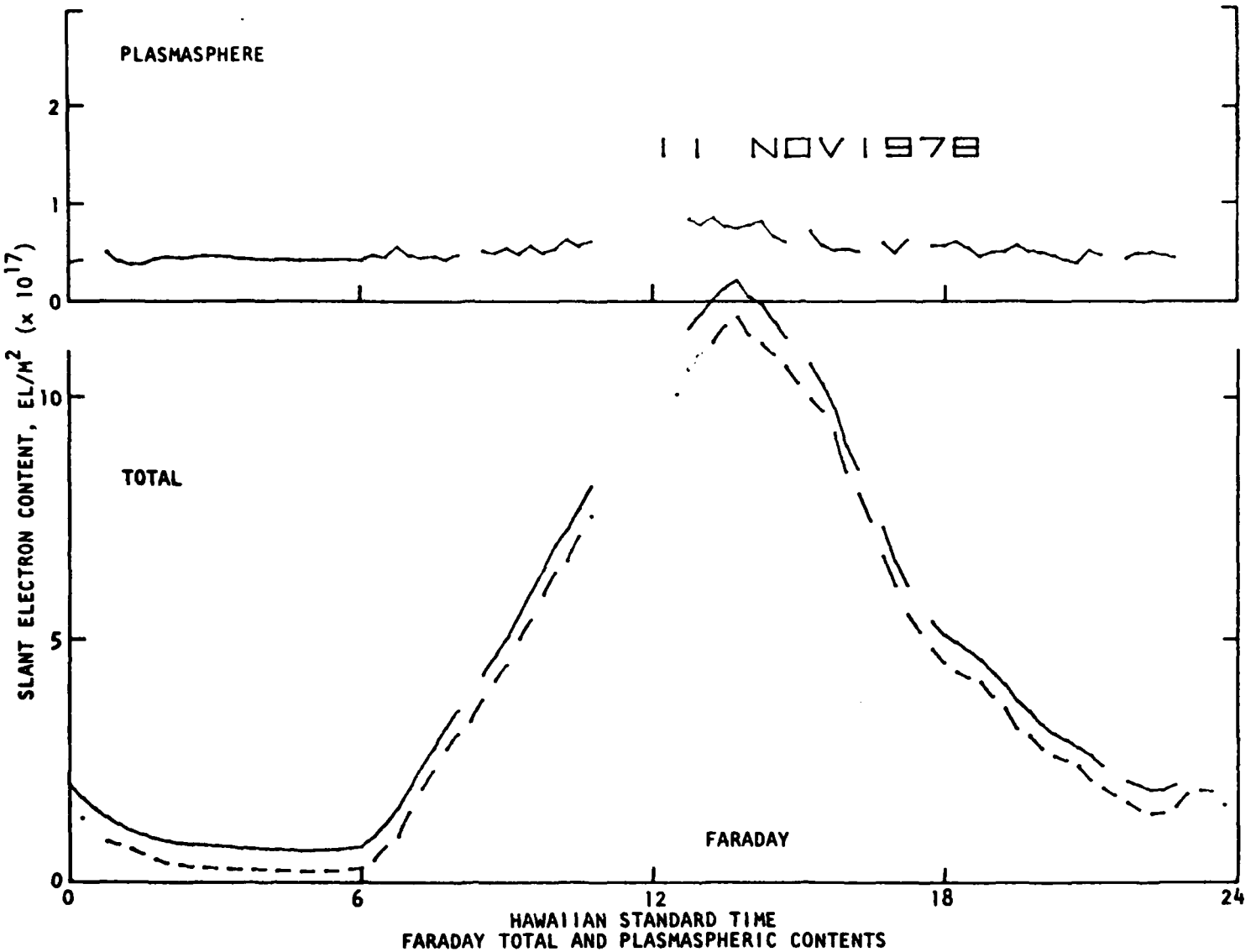
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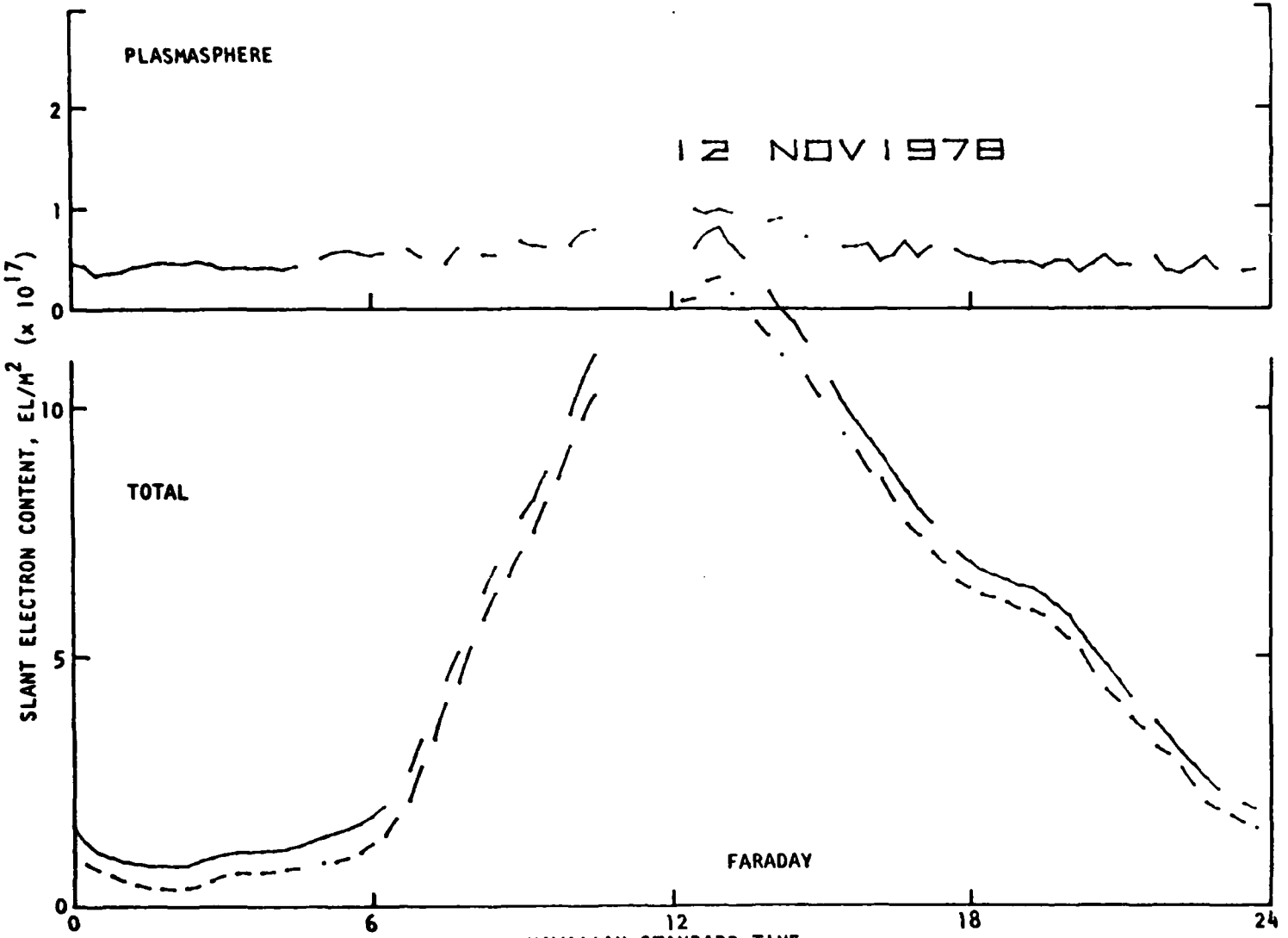
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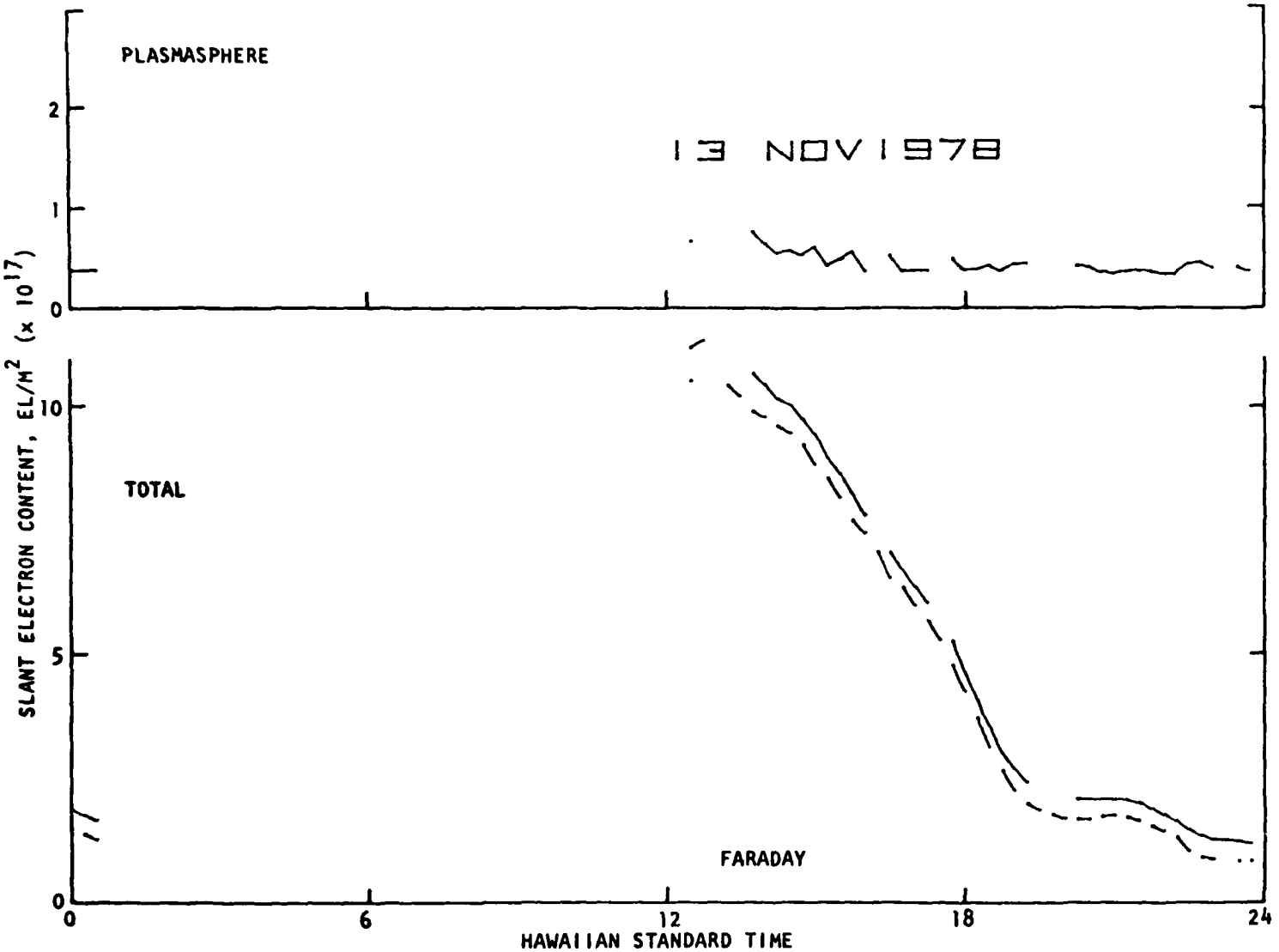
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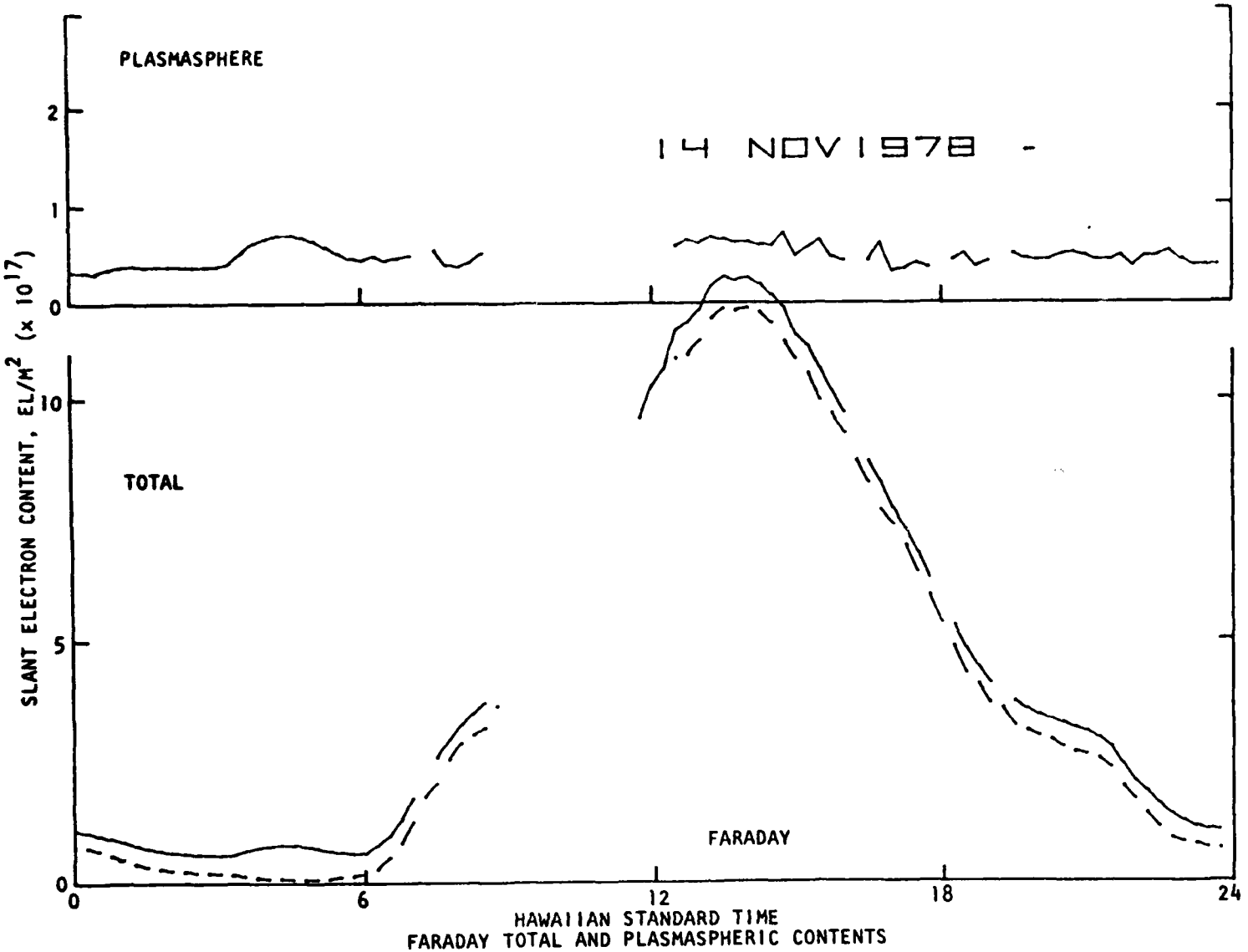
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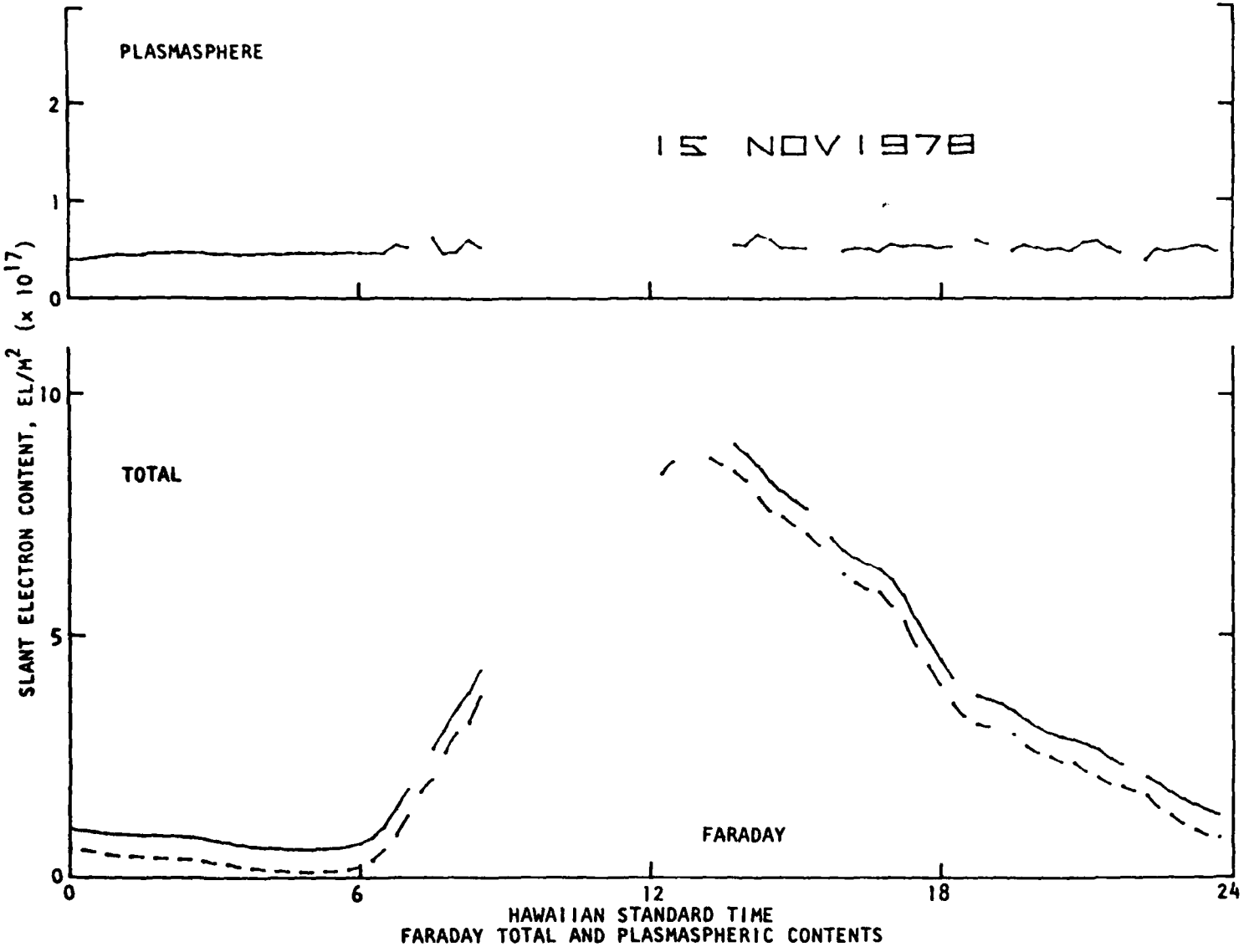
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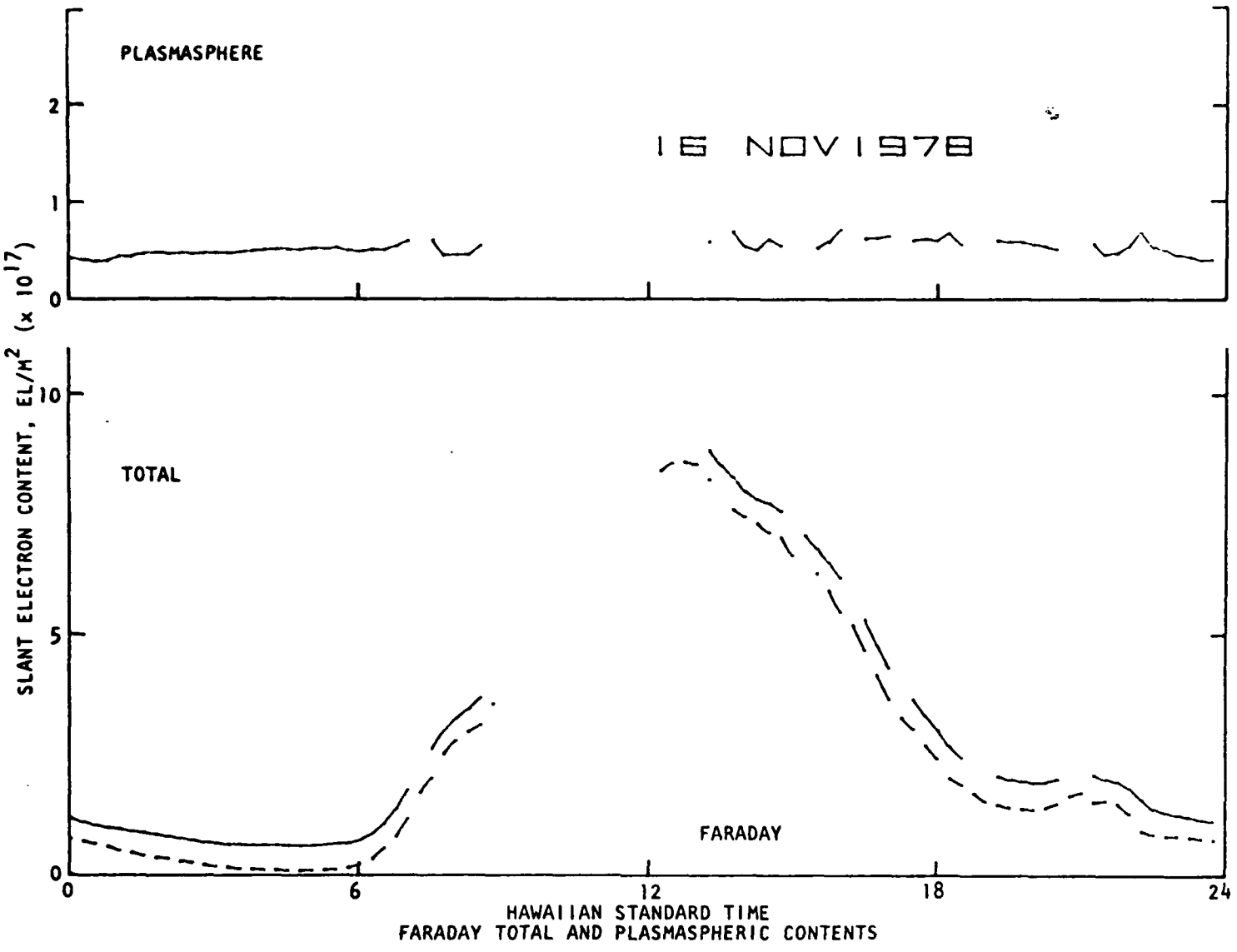
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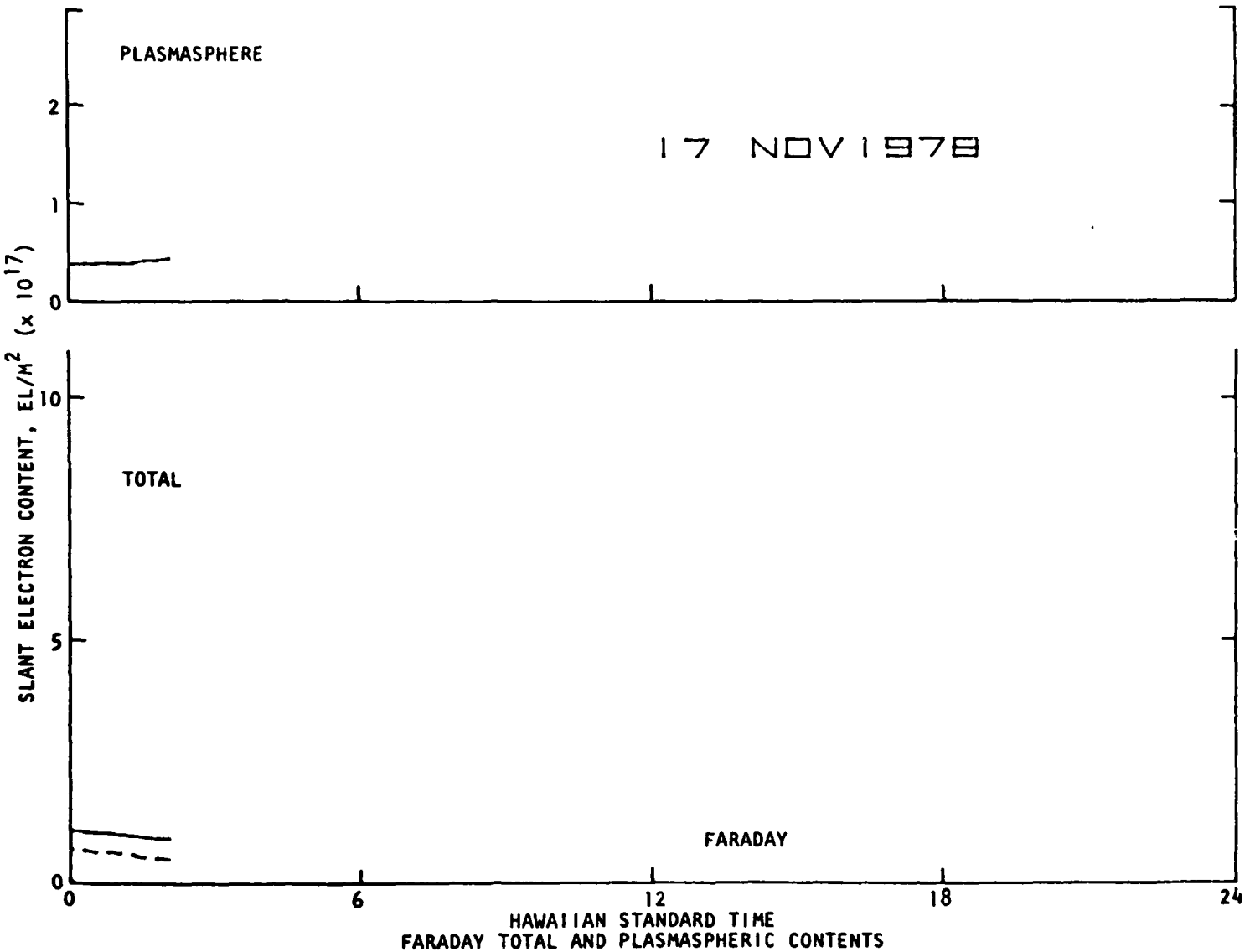
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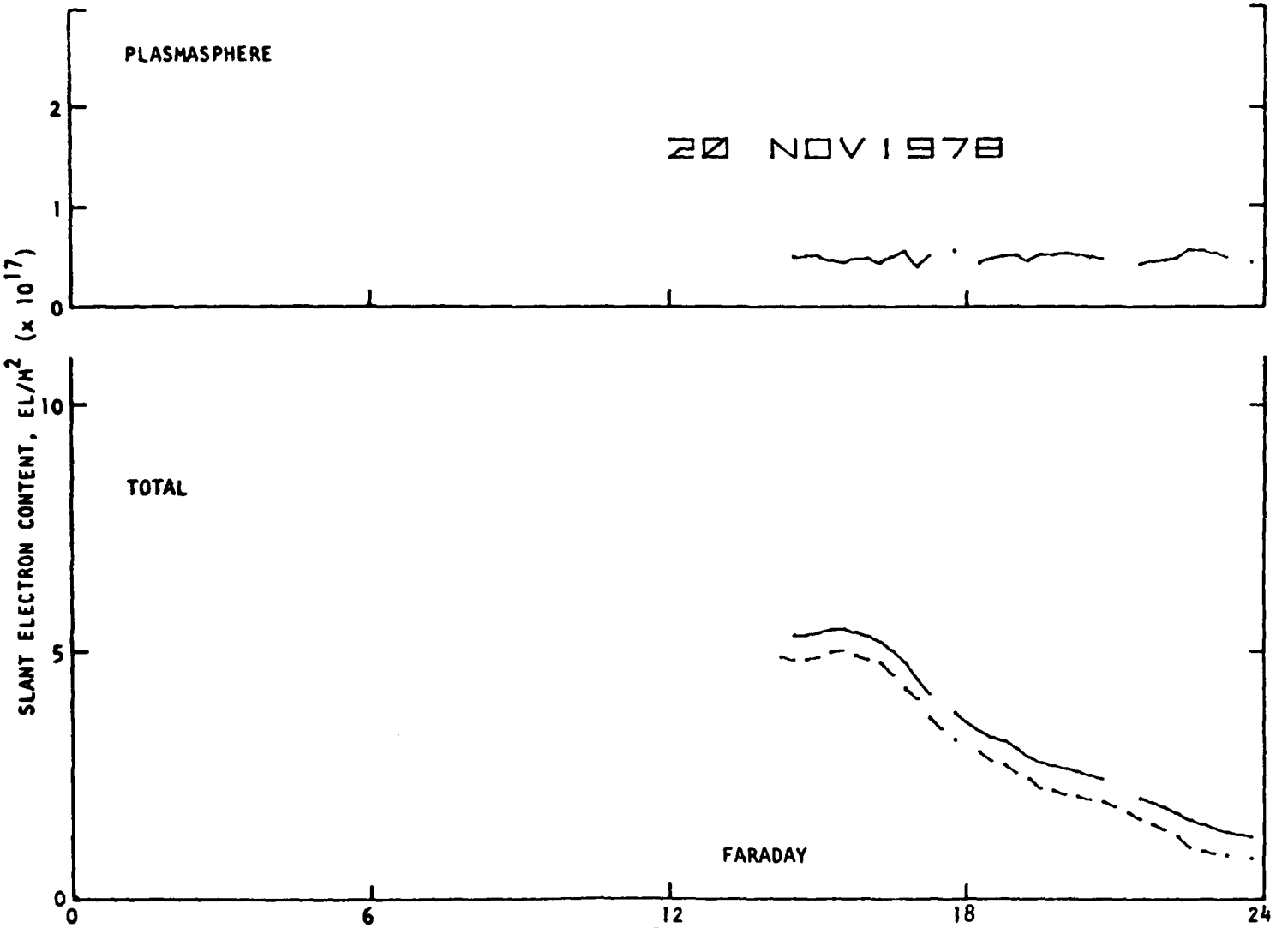
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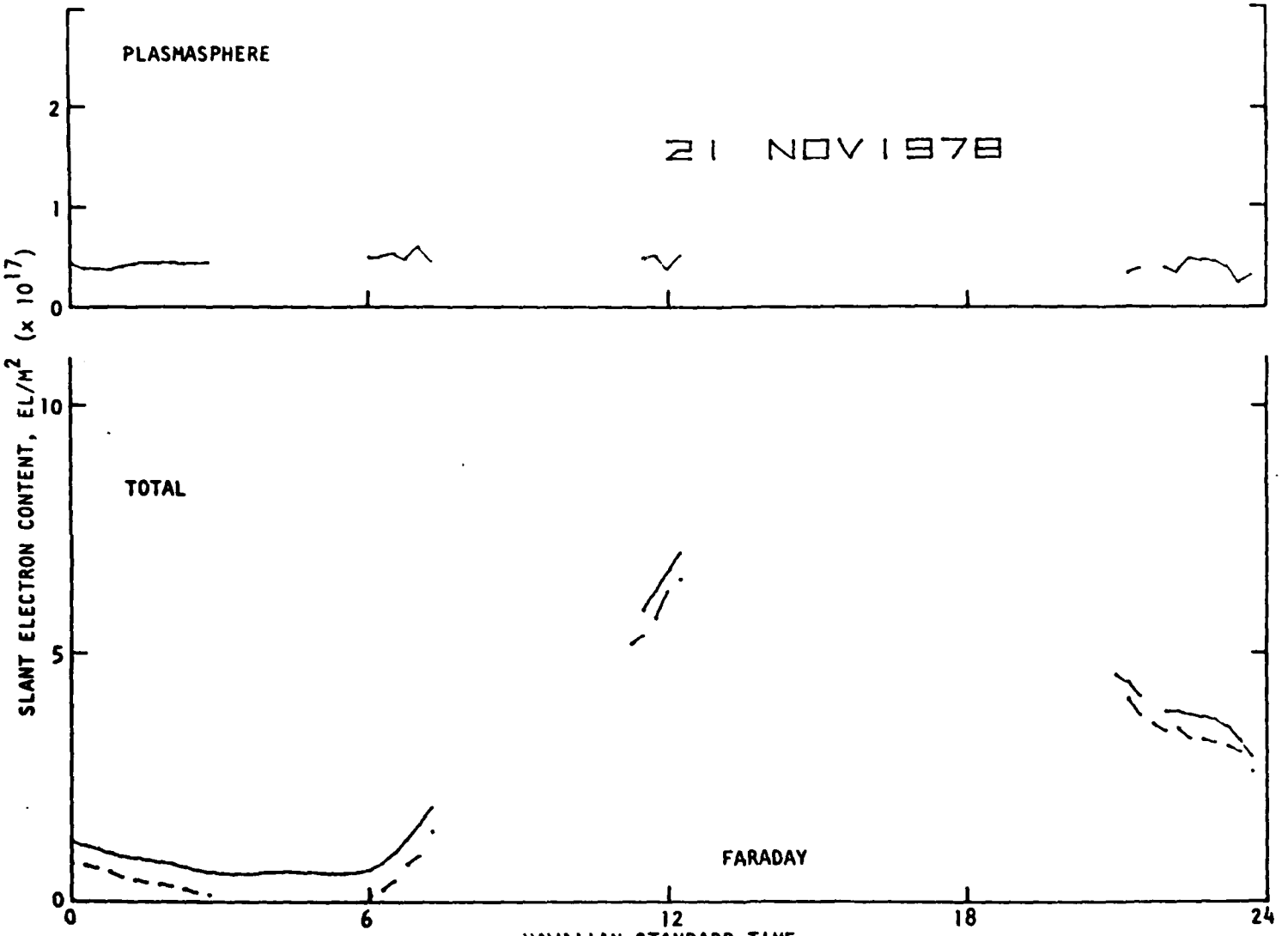
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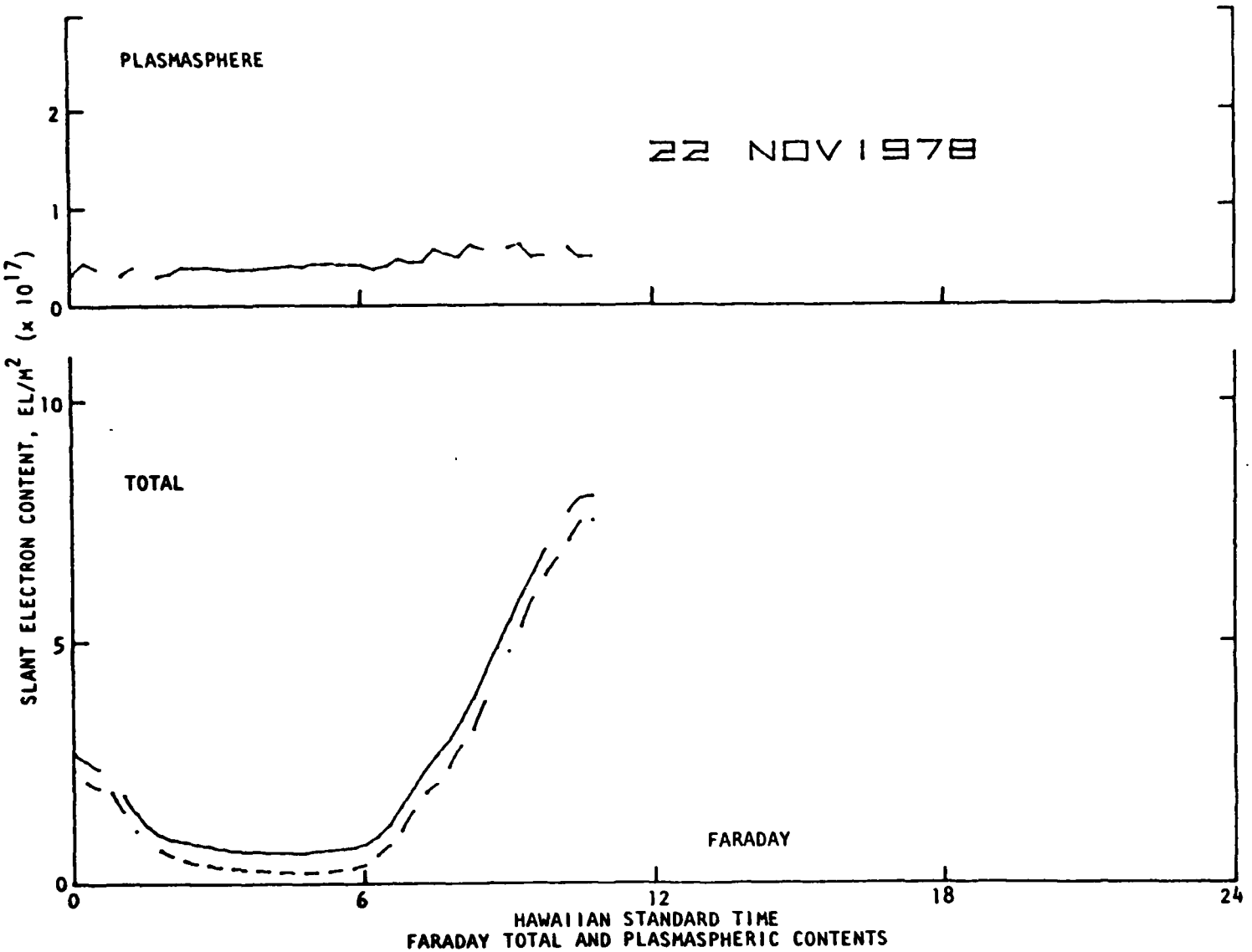
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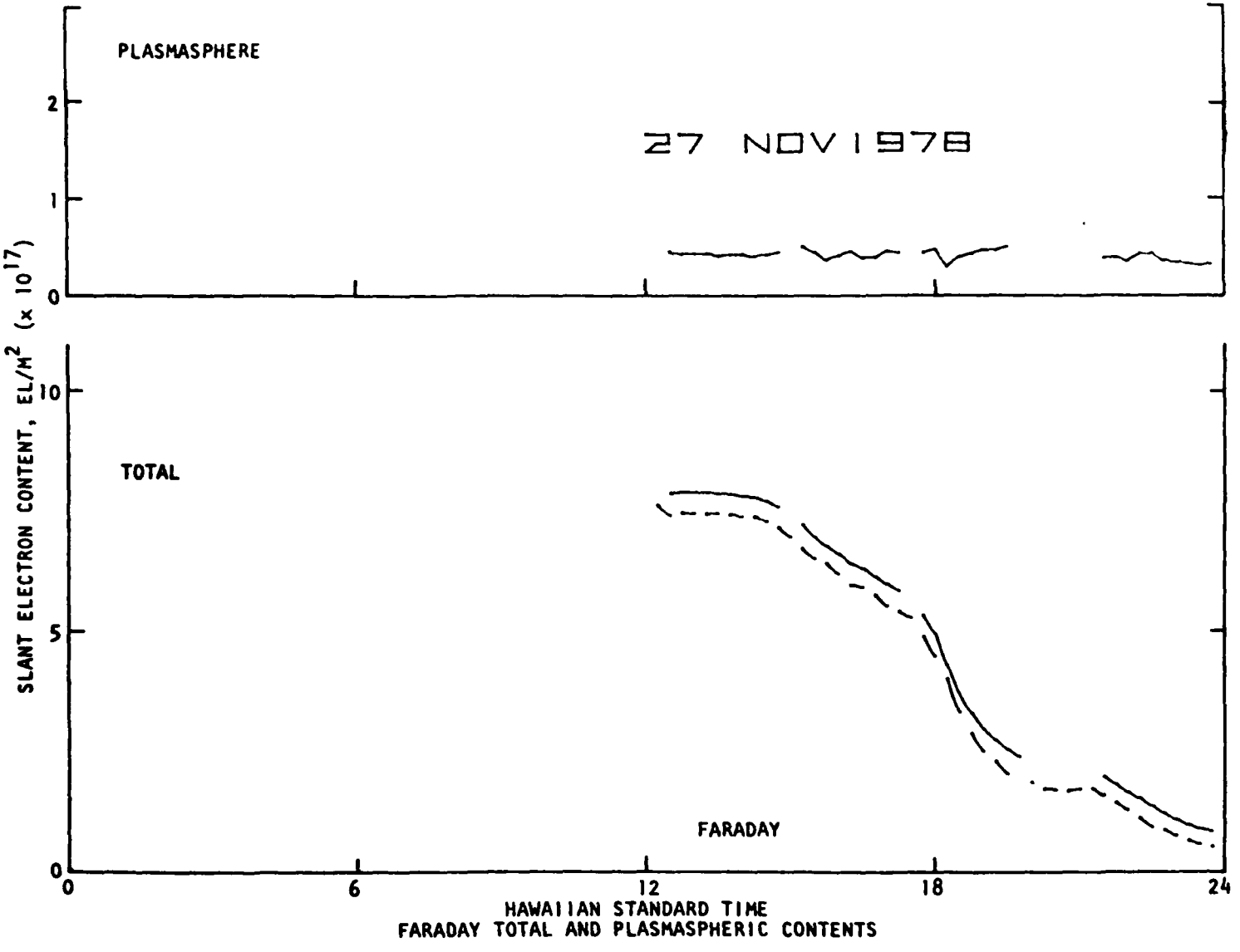
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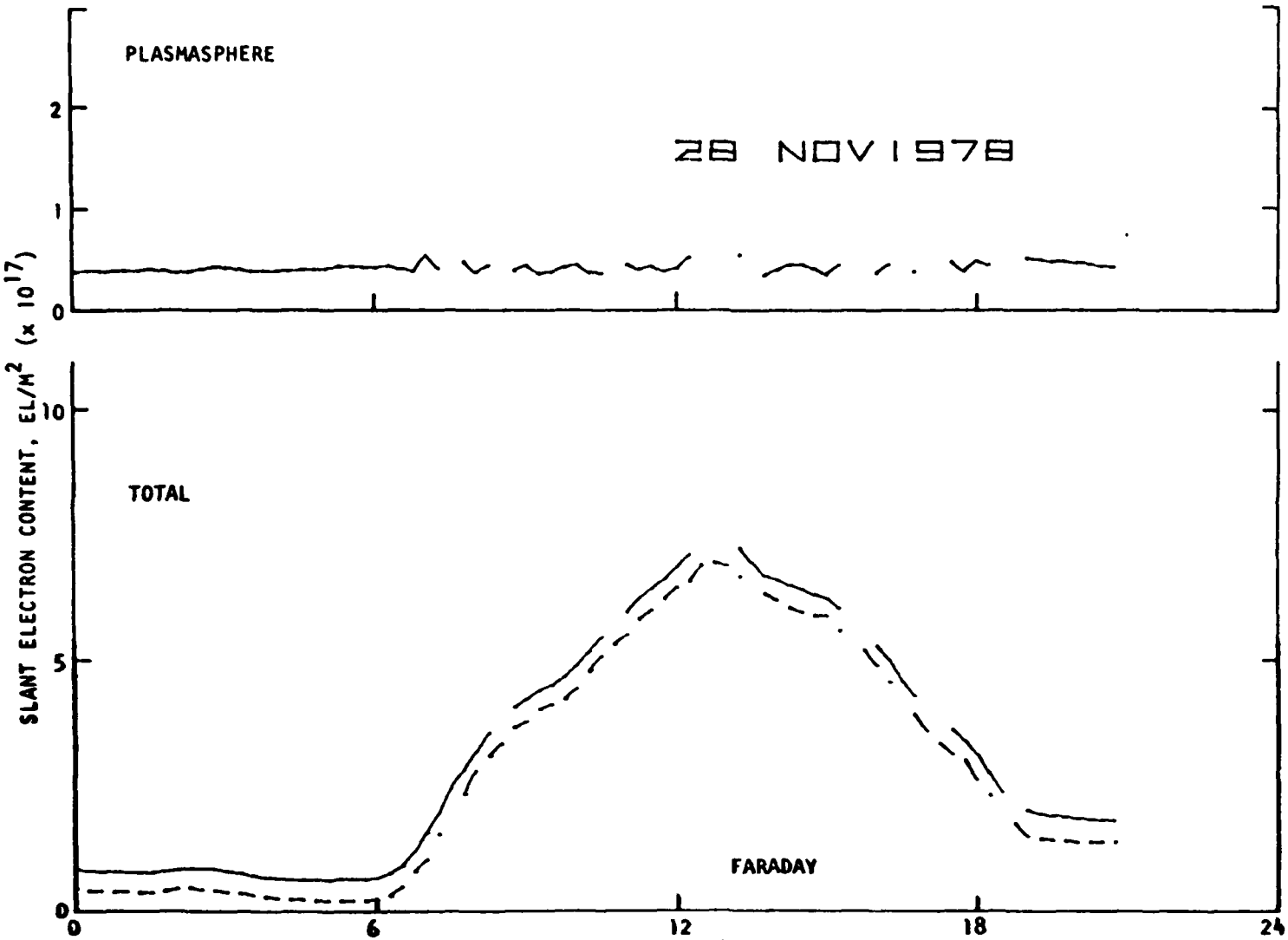
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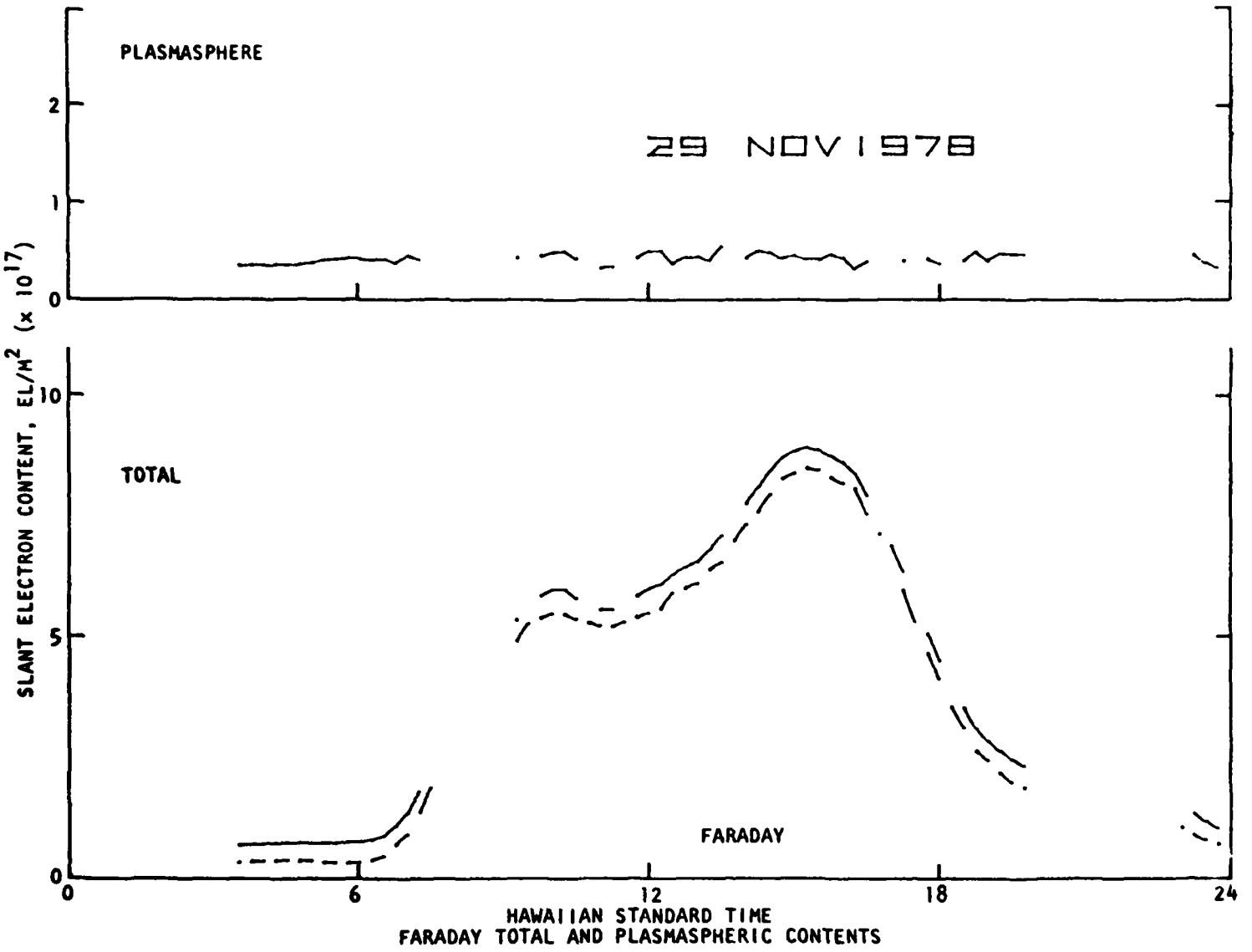
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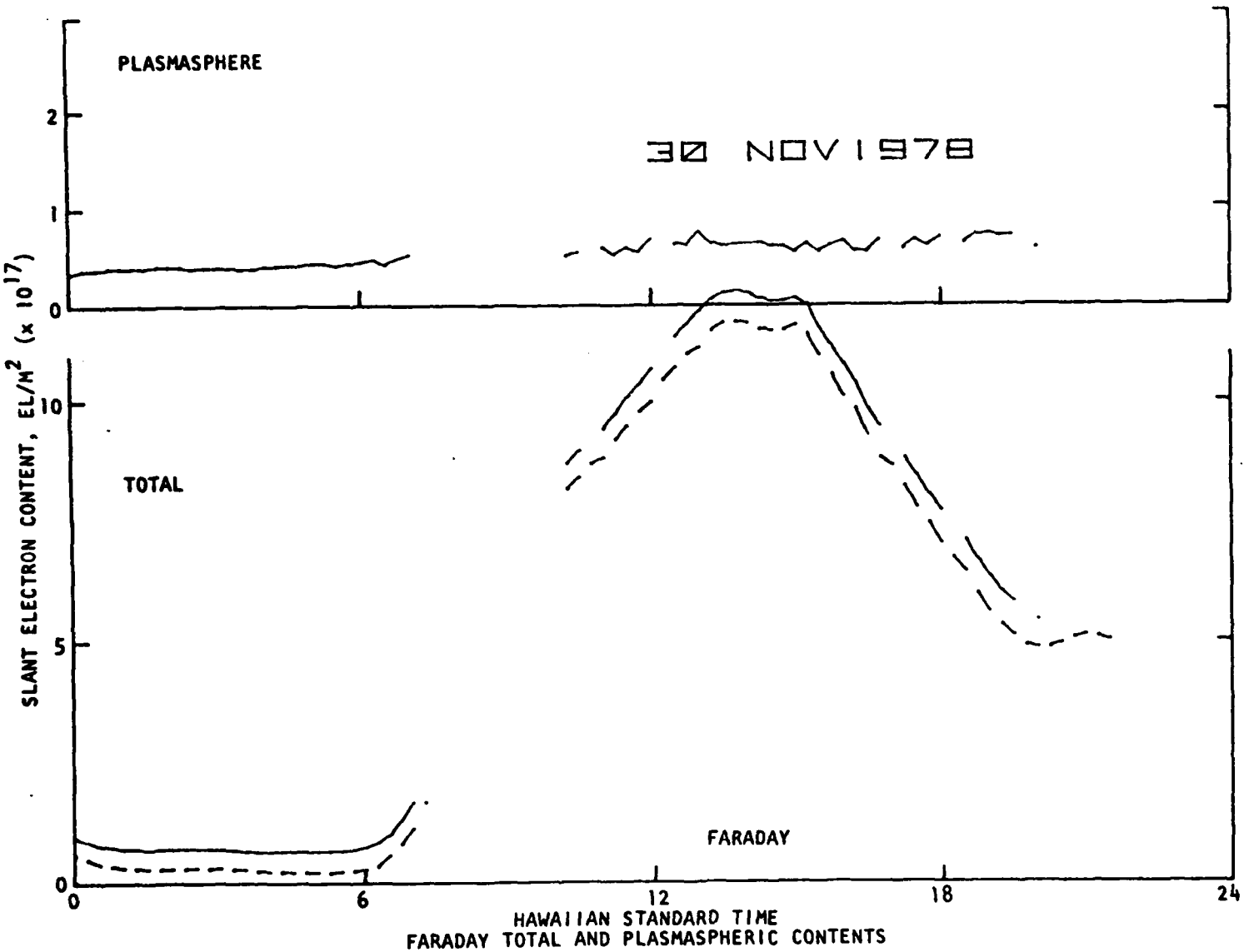
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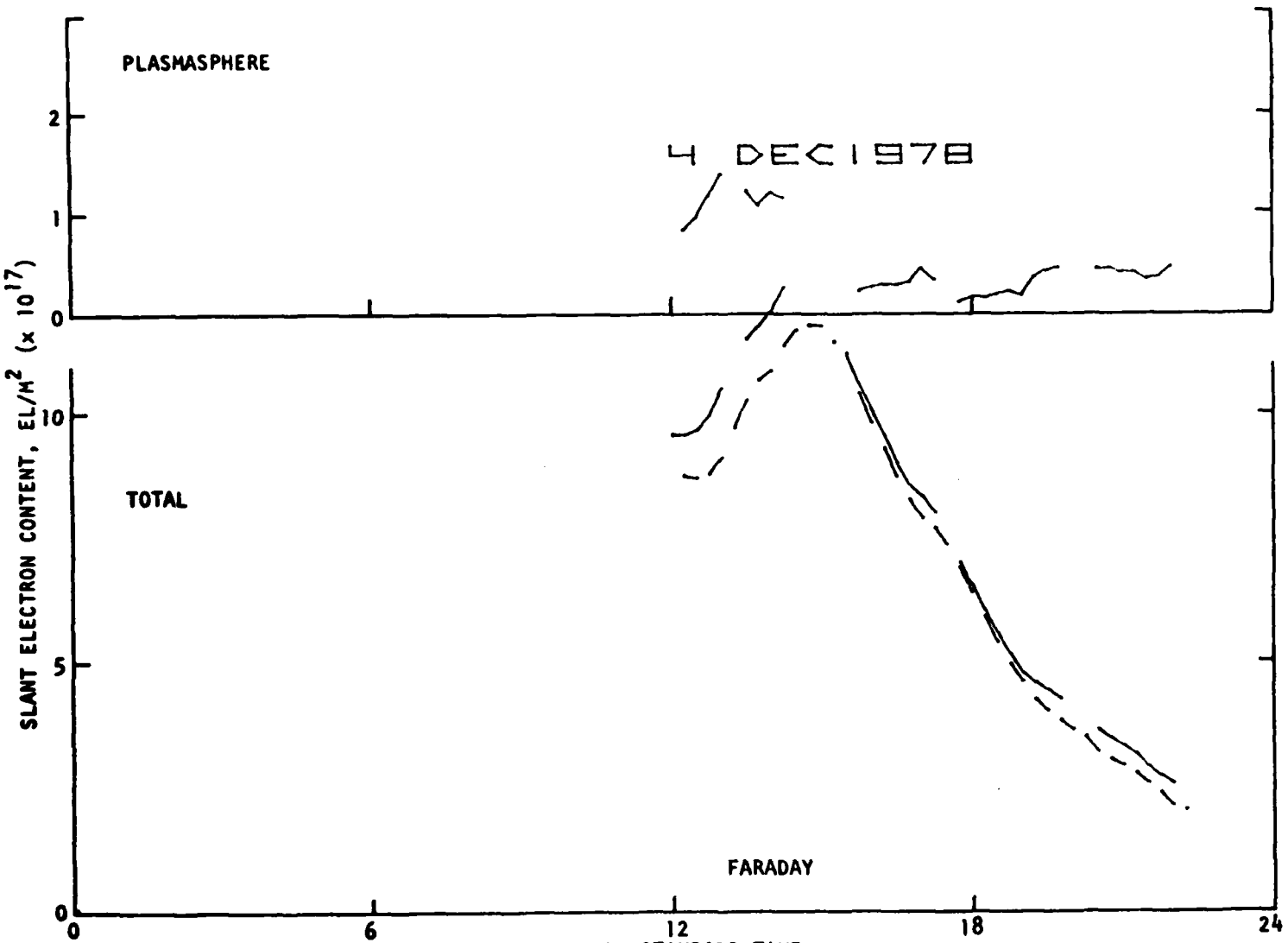
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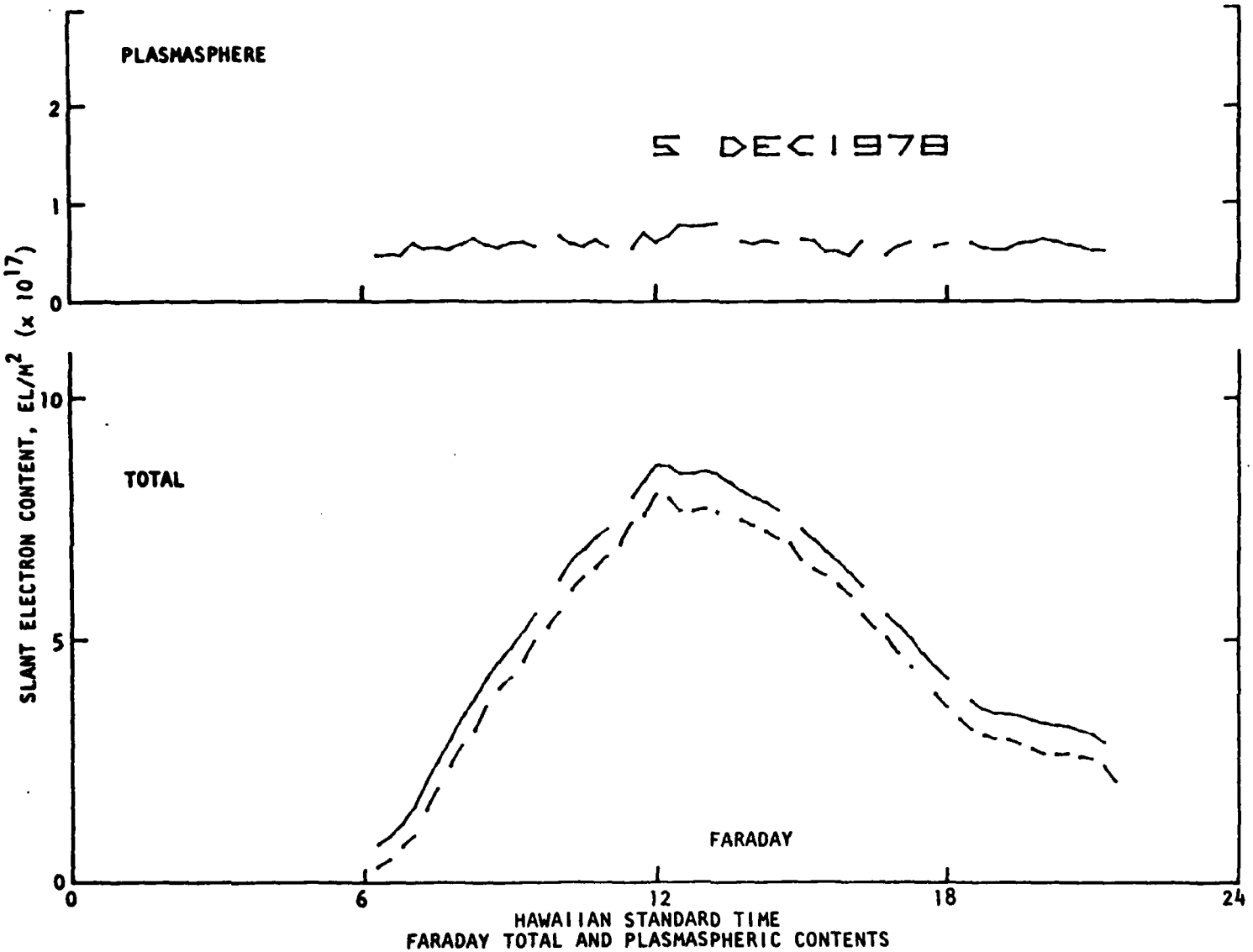
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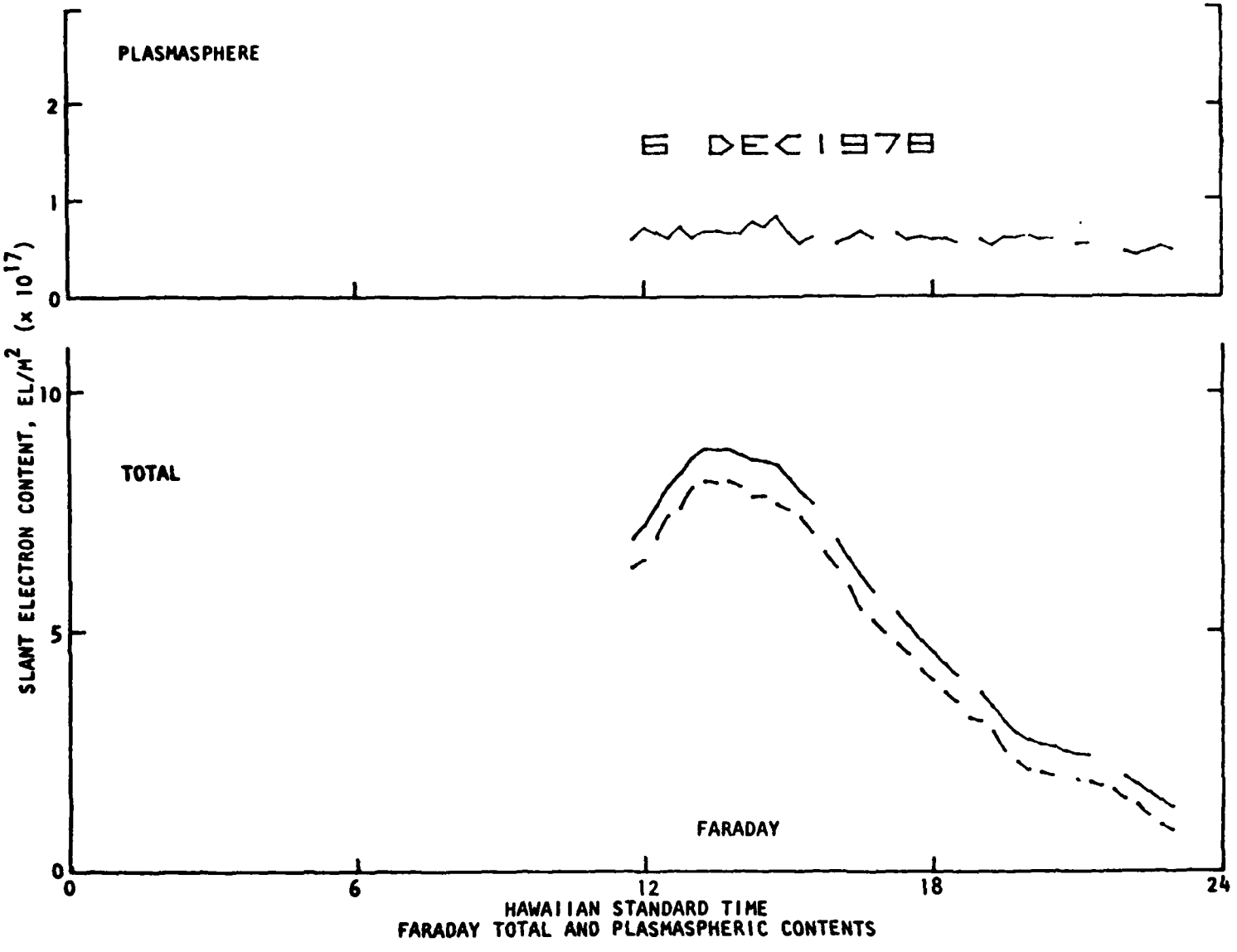
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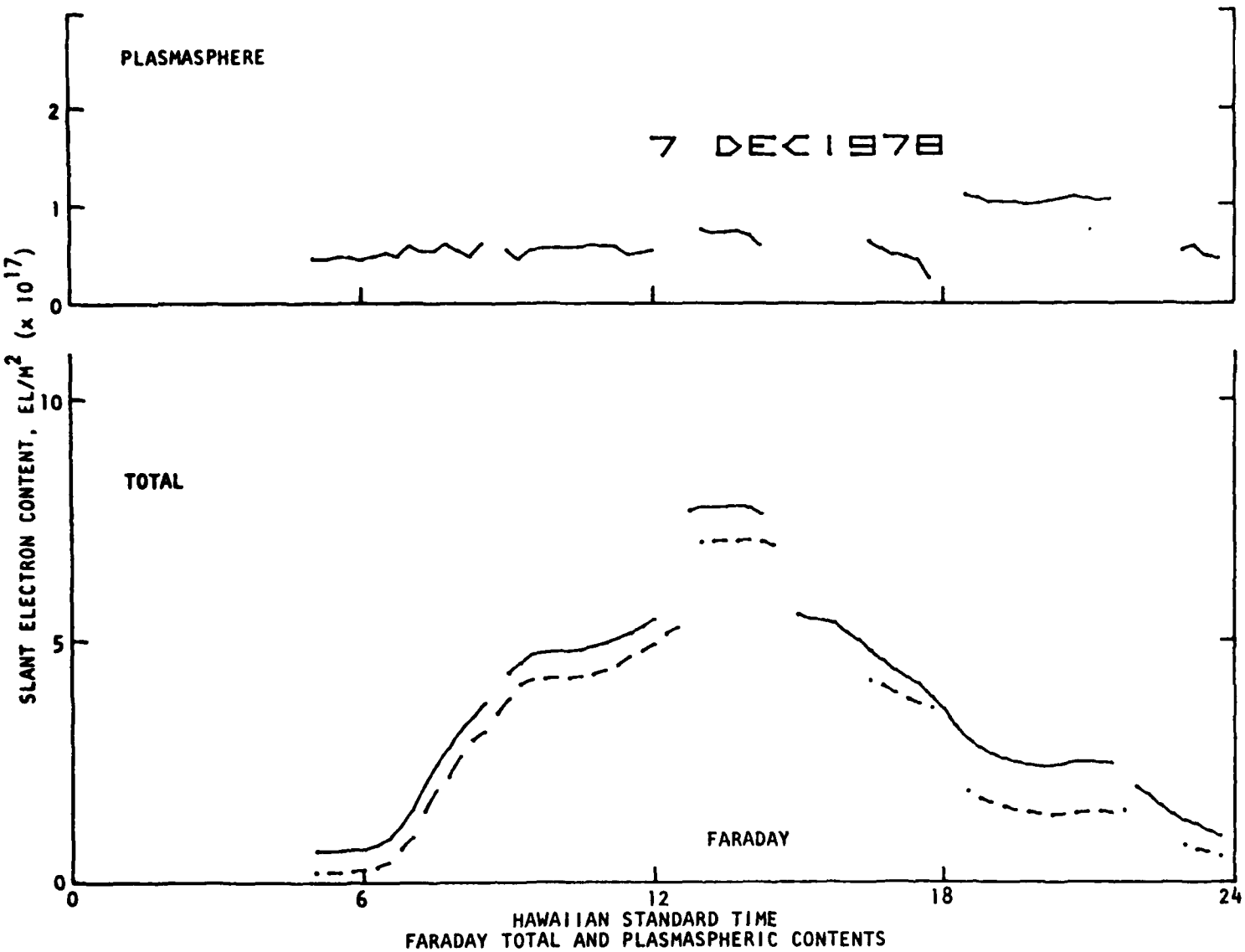
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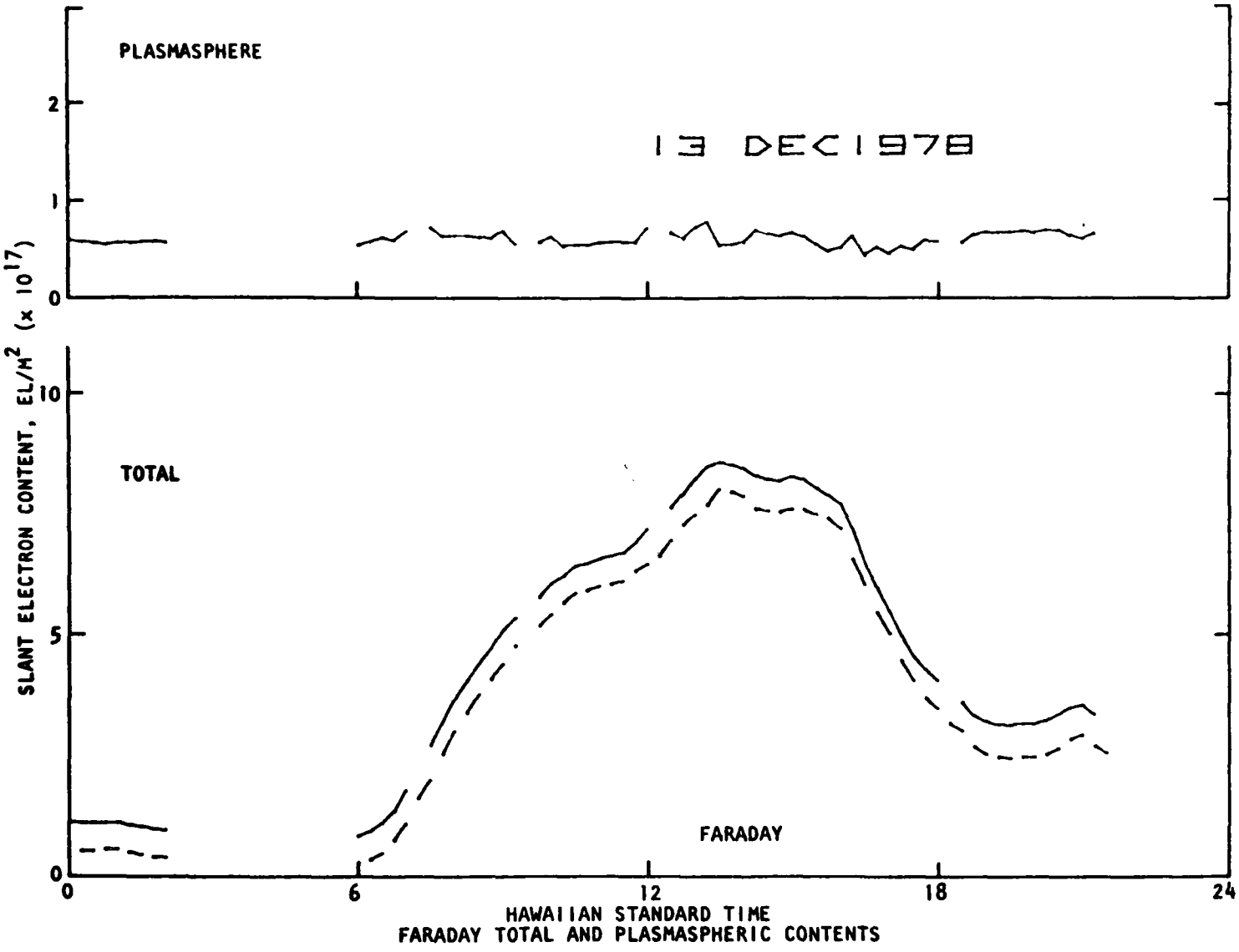
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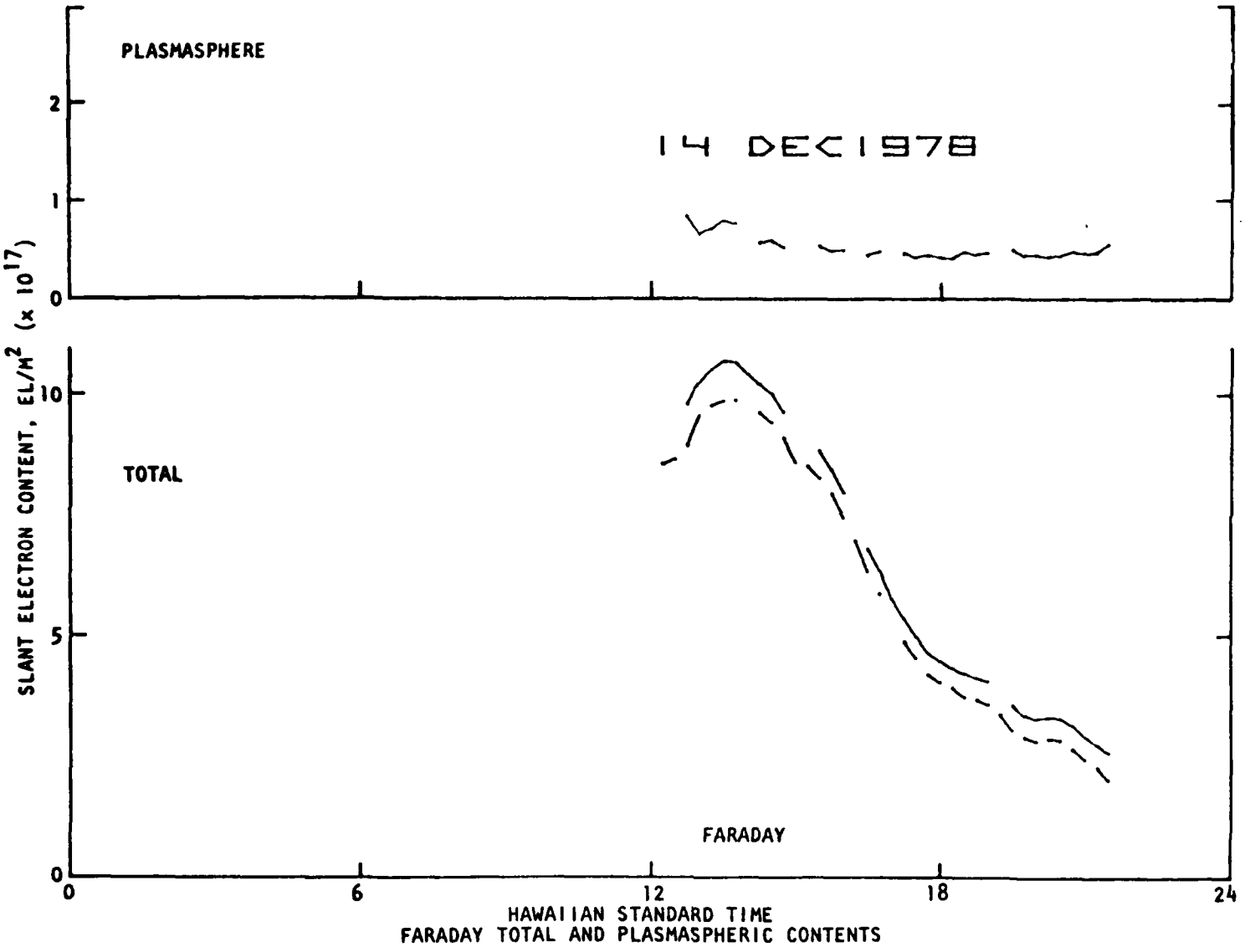
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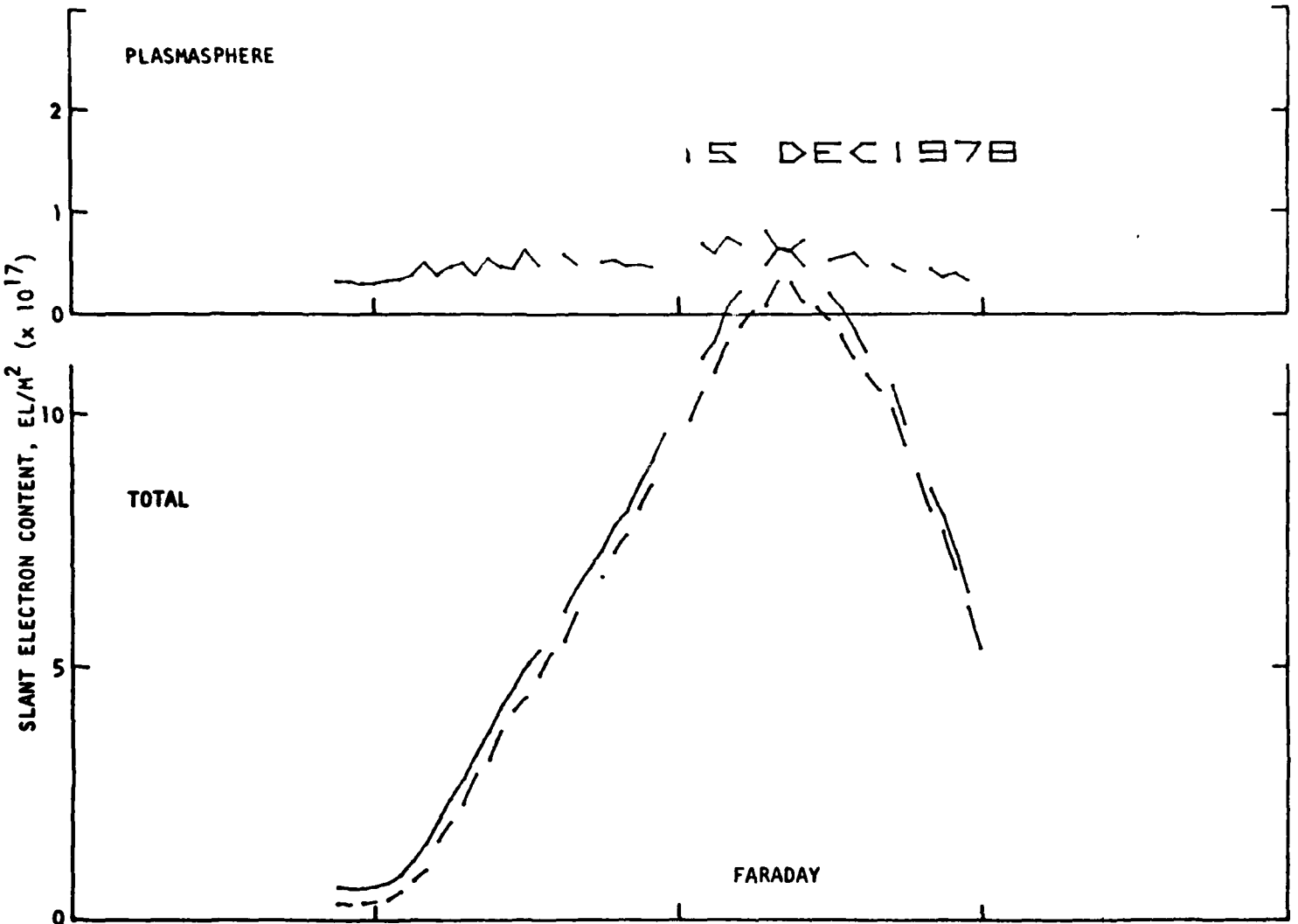
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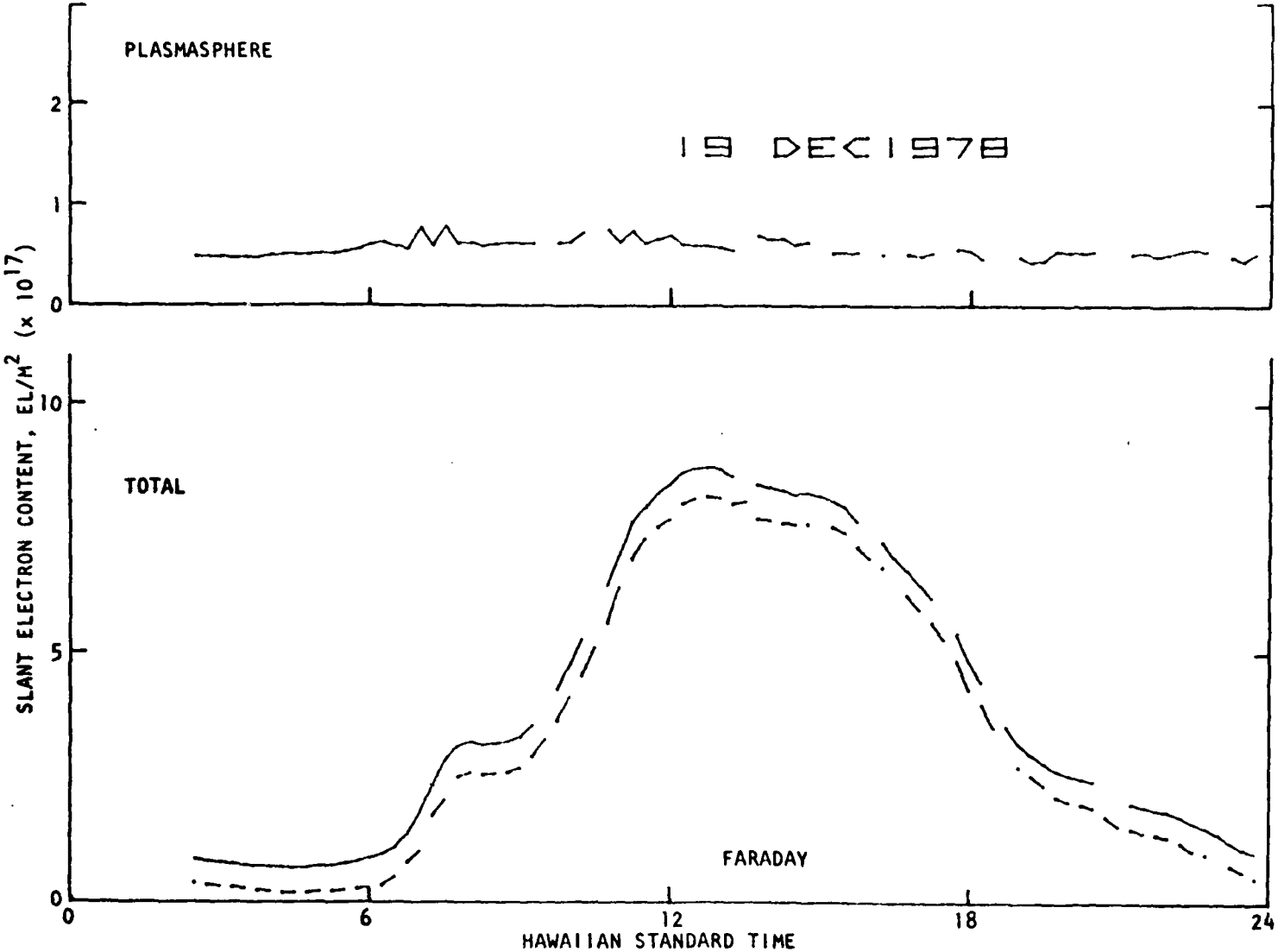
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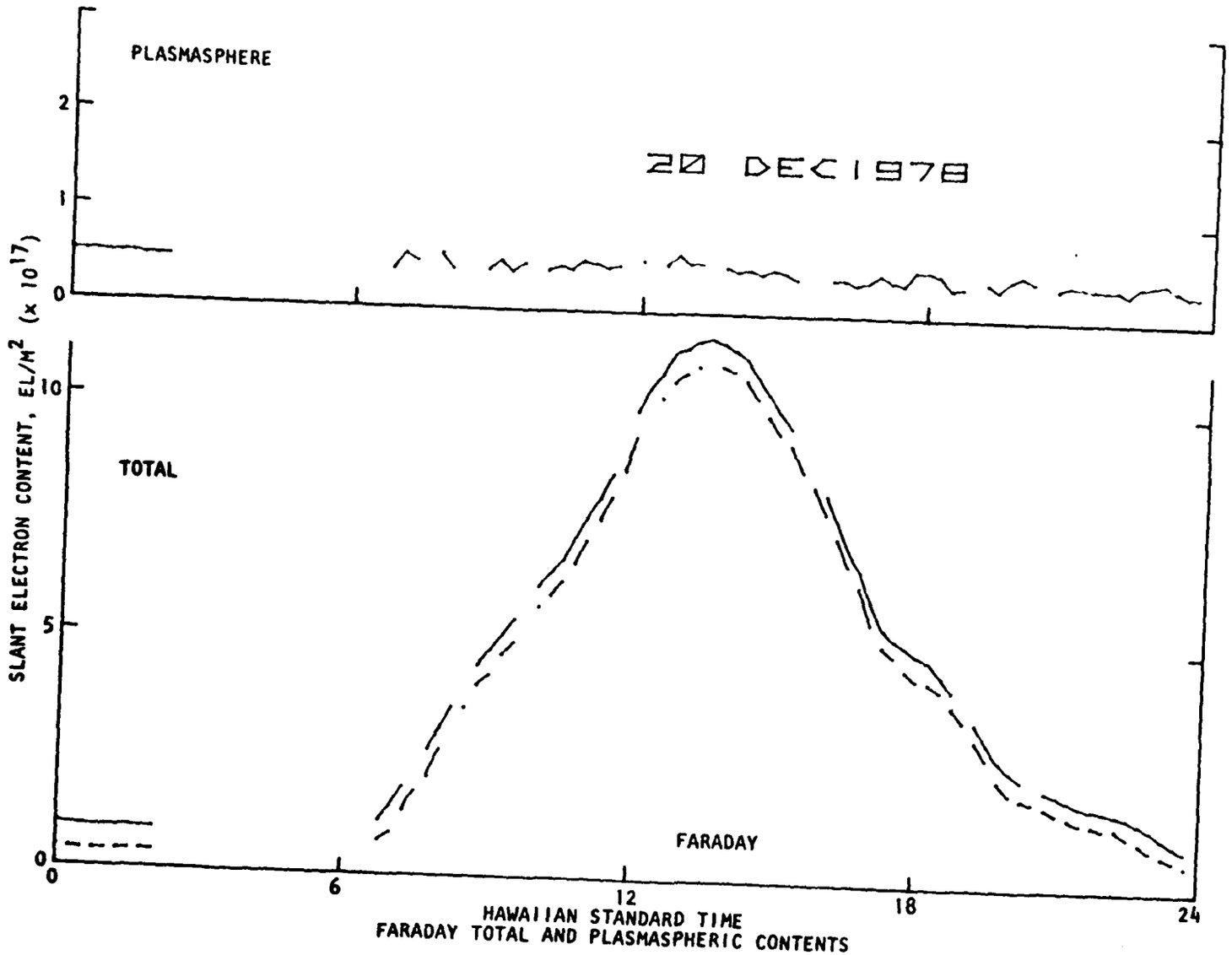
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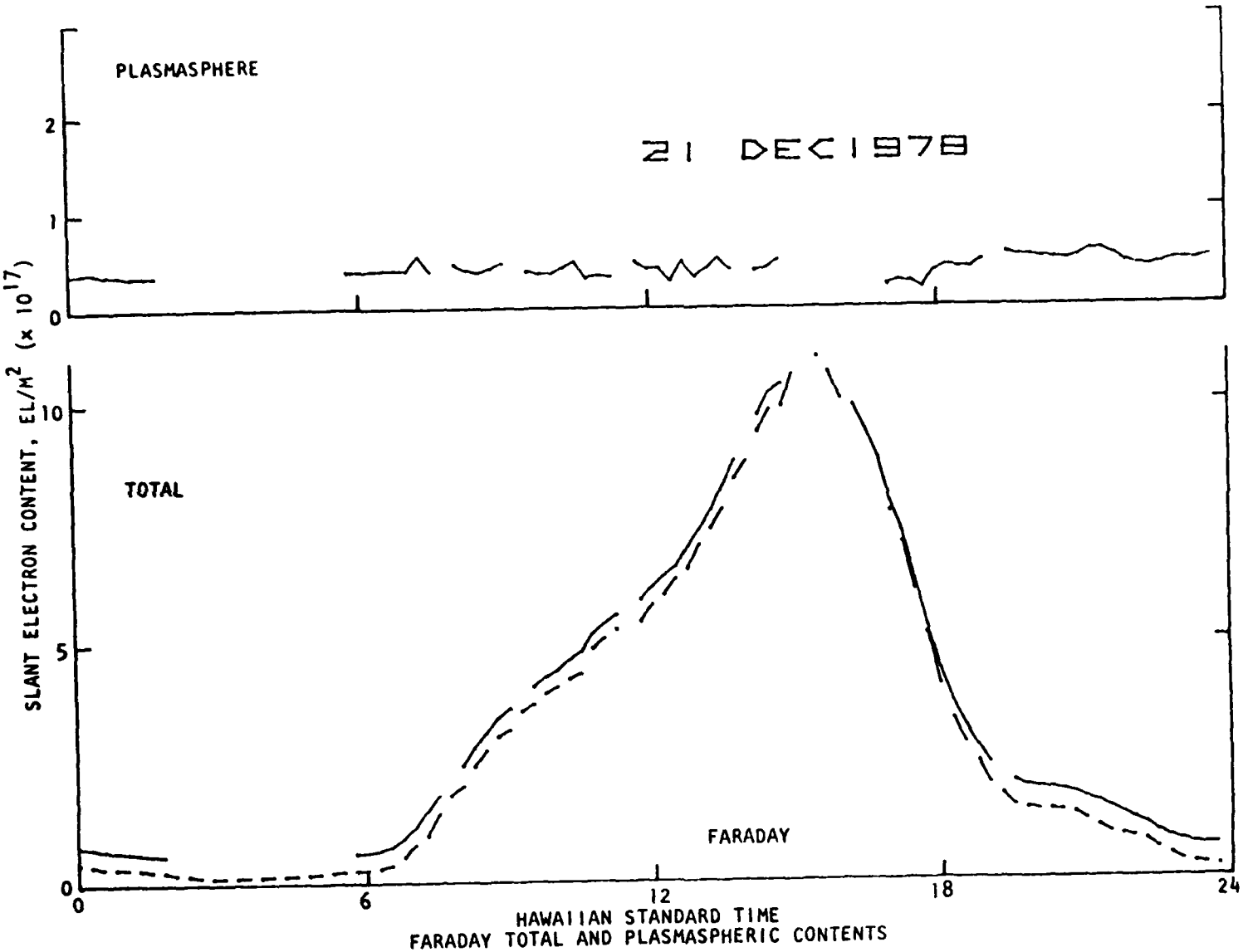
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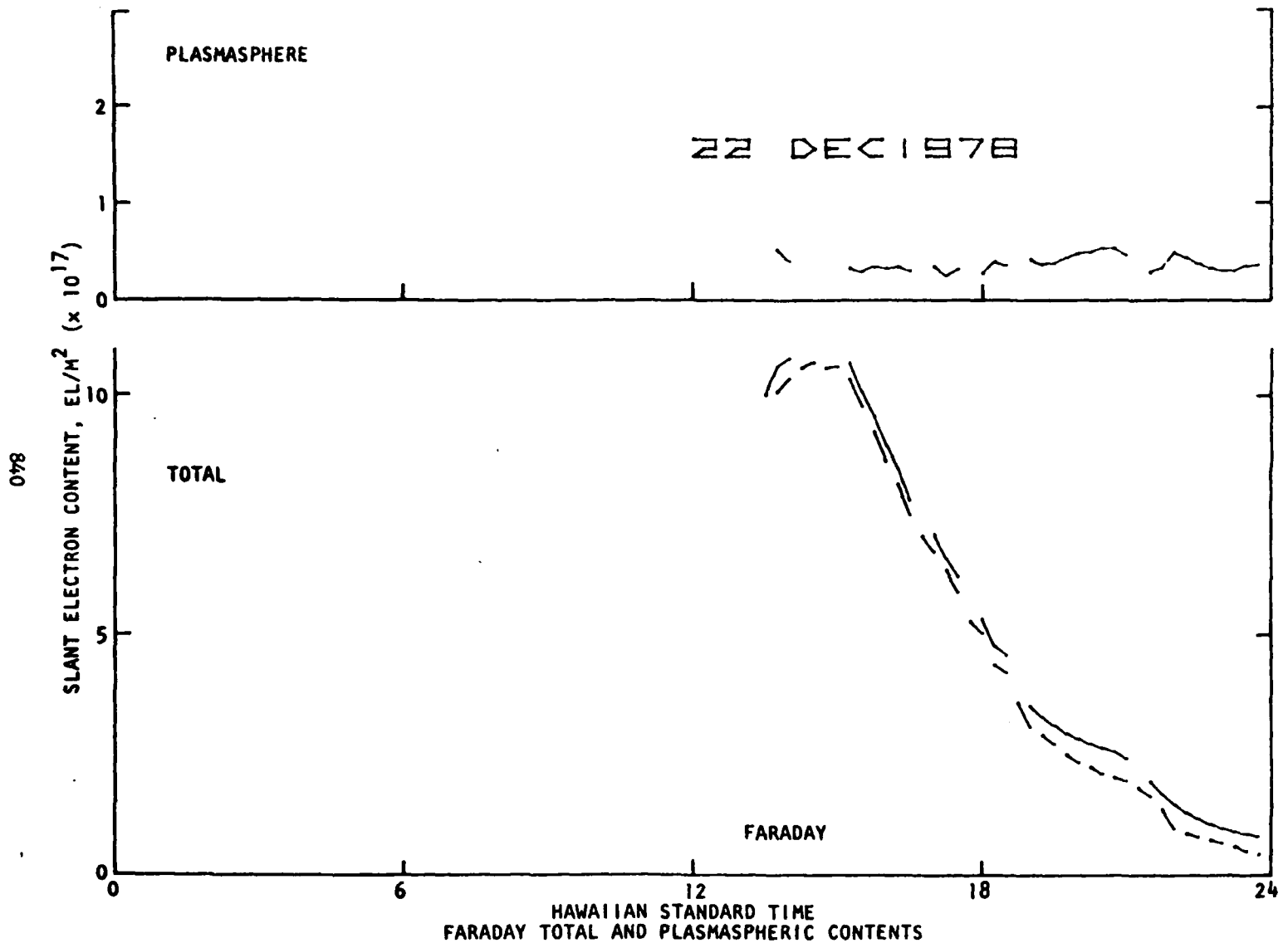
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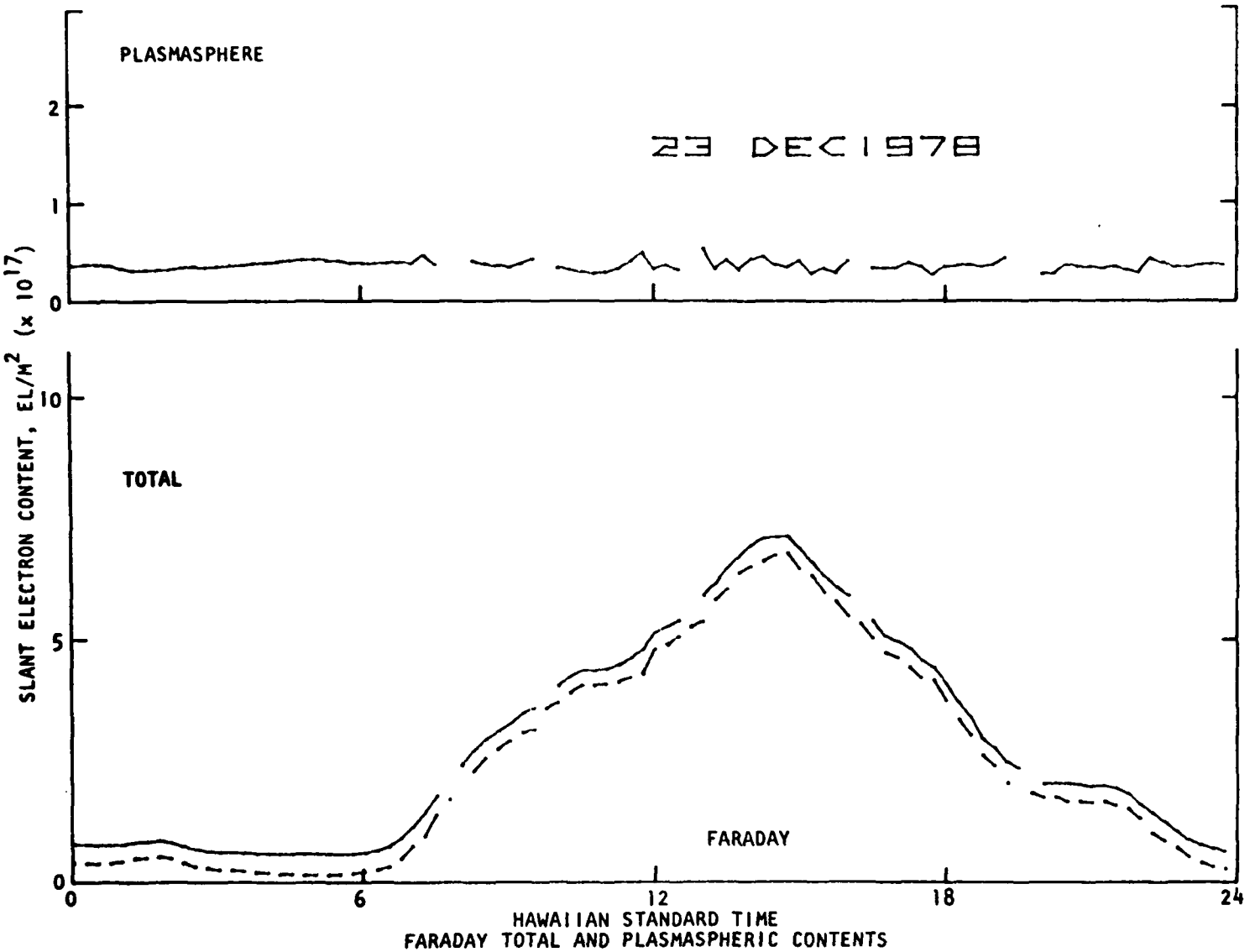
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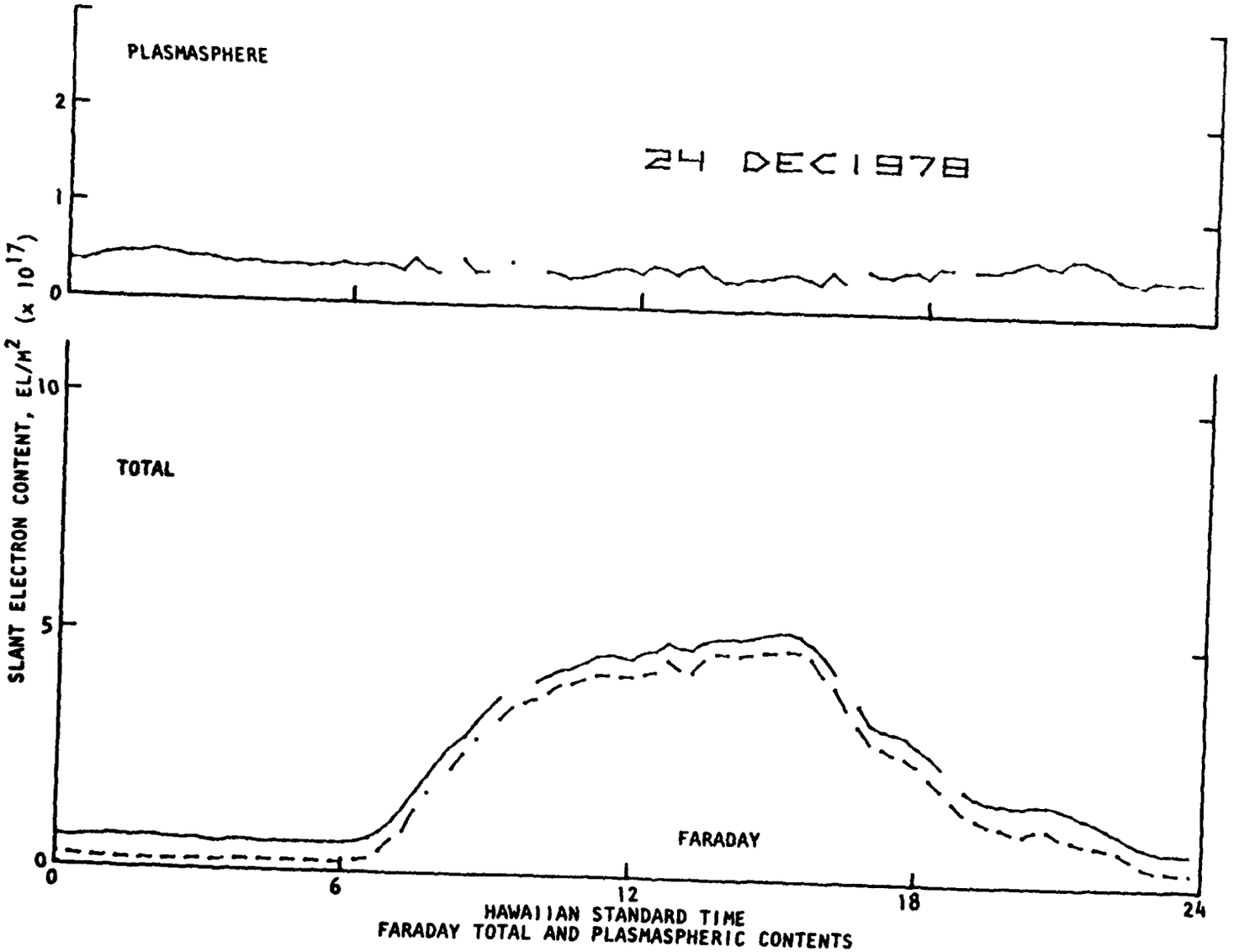
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