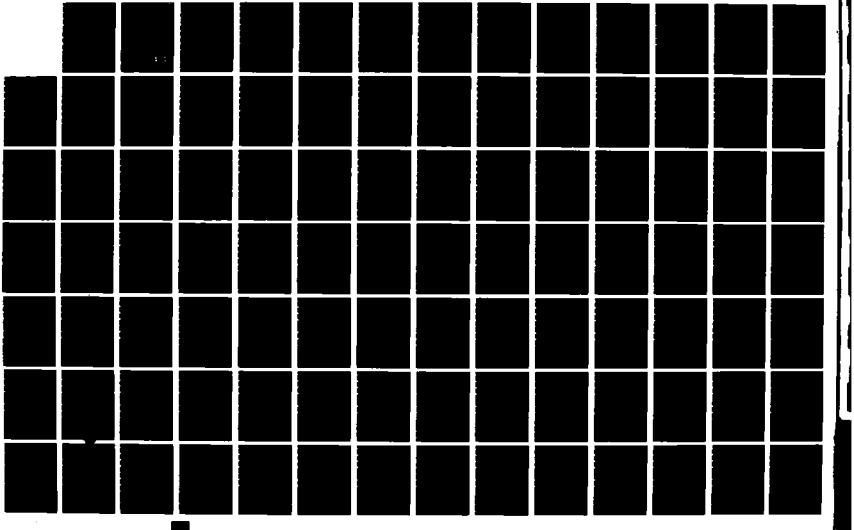
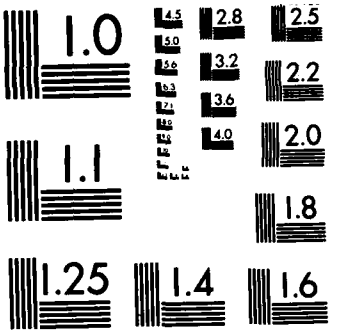
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DNA-TR-84-348-V2

REFLECT-4 CODE COMPUTATIONS OF 40 KT NUCLEAR BLAST WAVES REFLECTED FROM THE GROUND FOR FOUR HEIGHTS-OF-BURST

Volume II—Detailed Data and Plots

Kaman AviDyne
83 Second Avenue
Northwest Industrial Park
Burlington, MA 01803-4479

14 September 1984

Technical Report

CONTRACT No. DNA 001-83-C-0351

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FIELD	GROUP	SUB-GROUP	
18	3		Nuclear Explosions Blast Hydrodynamic Computer Code
19	4		Dynamic Pressure Shock Overpressure
			Computer Simulation Explosions

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

The REFLECT-4/FAB-2D two-dimensional hydrodynamic computer codes were used to compute the blast flow characteristics for 40-KT nuclear bursts reflected from the surface of the earth in a non-homogeneous atmosphere for four heights of burst. Detailed results are presented for overpressure, dynamic pressure, positive impulses, positive pressure durations and arrival times for 40-KT bursts in a standard non-uniform atmosphere for heights of burst of 1026, 1710 and 2052 feet (scaled heights of burst of 300, 500, and 600 ft/KT$^{1/3}$) down to ground peak overpressure levels less than 0.4 psi. In addition, results are presented from a very high resolution run for a 40-KT burst at 1368-ft HOB (400-ft SHOB) for ground ranges through the transition range.

The numerical results are generally in agreement with nuclear test results and indicate a possible need for revisions of present height-of-burst charts.

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19. ABSTRACT (Continued).

Effects of small heights above the ground on the overpressure and dynamic pressure blast environment are discussed.

Volume I of this report summarizes the computed data obtained. Volume II presents detailed tabular data and time histories of overpressure and dynamic pressure at the ground and the associated impulses.

Conversion factors for U.S. customary to metric (SI) units of measurement.

To Convert From	To	Multiply By
angstrom	meters (m)	1.000 000 X E -10
atmosphere (normal)	kilo pascal (kPa)	1.013 25 X E +2
bar	kilo pascal (kPa)	1.000 000 X E +2
barn	meter^2 (m^2)	1.000 000 X E -28
British thermal unit (thermochemical)	joule (J)	1.054 350 X E +3
calorie (thermochemical)	joule (J)	4.184 000
cal (thermochemical)/cm^2	mega joule/m^2 (MJ/m^2)	4.184 000 X E -2
curie	giga becquerel (GBq)*	3.700 000 X E +1
degree (angle)	radian (rad)	1.745 329 X E -2
degree Fahrenheit	degree kelvin (K)	$T_K = (t° f + 459.67)/1.8$
electron volt	joule (J)	1.602 19 X E -19
erg	joule (J)	1.000 000 X E -7
erg/second	watt (W)	1.000 000 X E -7
foot	meter (m)	3.048 000 X E -1
foot-pound-force	joule (J)	1.355 818
gallon (U.S. liquid)	meter^3 (m^3)	3.785 412 X E -3
inch	meter (m)	2.540 000 X E -2
jerk	joule (J)	1.000 000 X E +9
joule/kilogram (J/kg) (radiation dose absorbed)	Gray (Gy)**	1.000 000
kilotons	terajoules	4.183
kip (1000 lbf)	newton (N)	4.448 222 X E +3
kip/inch^2 (ksi)	*kilo pascal* (kPa)	6.894 757 X E +3
ktap	newton-second/m^2 ($N-s/m^2$)	1.000 000 X E +2
micron	meter (m)	1.000 000 X E -6
mil	meter (m)	2.540 000 X E -5
mile (international)	meter (m)	1.609 344 X E +3
ounce	kilogram (kg)	2.834 952 X E -2
pound-force (lbf avoirdupois)	newton (N)	4.448 222
pound-force inch	newton-meter (N·m)	1.129 848 X E -1
pound-force/inch	newton/meter (N/m)	1.751 268 X E +2
pound-force/foot^2	kilo pascal (kPa)	4.788 026 X E -2
pound-force/inch^2 (psi)	kilo pascal (kPa)	6.894 757
pound-mass (lbm avoirdupois)	kilogram (kg)	4.535 924 X E -1
pound-mass-foot^2 (moment of inertia)	kilogram-meter^2 ($kg·m^2$)	4.214 011 X E -2
pound-mass/foot^3	kilogram/meter^3 (kg/m^3)	1.601 846 X E +1
rad (radiation dose absorbed)	Gray (Gy)**	1.000 000 X E -2
roentgen	coulomb/kilogram (C/kg)	2.579 760 X E -4
shake	second (s)	1.000 000 X E -8
slug	kilogram (kg)	1.459 390 X E +1
torr (mm Hg, 0° C)	kilo pascal (kPa)	1.333 22 X E -1

*The becquerel (Bq) is the SI unit of radioactivity; 1 Bq = 1 event/s.
**The Gray (Gy) is the SI unit of absorbed radiation.

A more complete listing of conversions may be found in "Metric Practice Guide E 380-74," American Society for Testing and Materials.

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INTRODUCTION

This volume presents detailed numerical data and time history plots of the REFLECT-4/FAB-2D code results described and summarized in Volume I of this report.

All data correspond to the three REFLECT-4 runs for Cases 4 to 6 listed in Table 1, for 40-KT bursts at heights-of-burst of 1026, 1710 and 2052 feet (scaled heights-of-burst of 300, 500 and 600 feet).

The variation of ground-level shock front overpressure and dynamic pressure with ground range during the early regular reflection part of these runs (from REFLECT-4A) is presented in Tables 2, 3 and 4 for the three heights-of-burst of 1026, 1710 and 2052 feet, respectively.

The variation of reflected blast wave properties in the late regular reflection pre-transition regime and in the Mach regime (from REFLECT-4B) is presented in Tables 5 to 7 for the ground sector for the three heights-of-burst of 1026, 1710 and 2052 feet. Properties are presented in these tables as a function of range from ground zero. (The listed values of ground range are actually the slant range from ground zero to the outer end of a radial ray bisecting the ground sector, but this is not significantly different from the ground range for the small sector elevation angle involved here.) Properties listed in Tables 5 to 7 are the blast arrival time, the maximum overpressure and dynamic pressure at each ground range and the corresponding positive duration times and impulses. The maximum overpressures and dynamic pressures listed are generally identical to the shock front values except for a few points where a larger second peak value occurs inboard of the shock front.

Time histories of the triple point location are presented in Tables 8 to 10 for the three heights-of-burst.

Appendices A, B and C present plotted time histories of overpressure and dynamic pressure at the ground and of the corresponding impulses for the 40-KT REFLECT-4 runs at the three heights-of-burst of 1026, 1710 and 2052 feet, respectively.

Table 1. REFLECT-4 code blast wave calculations[a].

Case	4	5	6	7
FAB-2D Run No.	83-8	83-9	83-10	81-3
REFLECT 4A Run No.	84-1	84-2	84-3	82-3
REFLECT 4B Run No.	84-6	84-8	84-7	83-9
FAB-2D Cell Configuration[b]	29 x 110	29 x 110	29 x 110	19 x 110
REFLECT 4A Cell Configuration (max)[b]	119 x 16	119 x 16	119 x 16	119 x 16
REFLECT 4B Typical Minimum Cell Size[c]	0.08'x 0.07'	0.15'x 0.13'	0.20'x 0.17'	0.06'x 0.04'
Minimum Ground Sector Angle (deg)[d]	0.005	0.005	0.005	0.002
Typical Minimum Radial Cell Width at Shock Front (Fraction of Radius)[d]	0.0001	0.0001	0.0001	0.00005
Yield (MT)	40	40	40	40
Height of Burst (ft)	1026	1710	2052	1368
Scaled Height of Burst ($ft/KT^{1/3}$)	300	500	600	400
Start Time after Burst for FAB-2D (sec)	0.0348	0.0351	0.0353	0.0349
Stop Time after Burst (for REFLECT-4B) (sec)	27.8	26.7	32.4	0.77
Ground Shock Front Overpressure at Stop (psi)	0.36	0.39	0.30	42.7

[a]All calculations made with atmospheric conditions of 1962 U.S. Standard Atmosphere as modeled in Reference 6. Ground level pressure and density are 2116.22 psfa and 0.00237688 slug/ft^3 ($lbf\text{-}sec^2/ft^4$).

[b]Sectors x radial cells.

[c]Minimum cell length x height for outermost ground cell used generally in critical parts of the transition region.

[d]For REFLECT-4B.

Table 2. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 1026 ft HOB.

REFLECT-4A RUN 84-1

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
14.8	422.480	
14.8	422.937	0.115
16.6	422.892	0.144
18.6	422.833	0.181
20.8	422.761	0.227
23.3	422.668	0.286
26.1	422.555	0.359
29.3	422.408	0.451
32.9	422.225	0.568
36.9	421.995	0.714
41.3	421.711	0.895
46.3	421.349	1.125
51.9	420.893	1.413
58.2	420.313	1.778
65.3	419.583	2.231
73.2	418.668	2.798
82.1	417.522	3.508
92.1	416.084	4.393
103.3	414.280	5.497
115.8	412.052	6.826
130.0	409.226	8.525
145.8	405.786	10.596
163.4	401.531	13.118
183.4	396.157	16.228
205.7	389.622	19.959
211.2	387.910	20.920
216.3	386.306	21.812
221.7	384.559	22.776
226.6	382.967	23.598
231.9	381.238	24.549
236.6	379.673	25.408
241.4	378.048	26.292
246.0	376.440	27.159
250.8	374.775	28.050
255.2	373.223	28.873
259.4	371.709	29.669
264.2	369.961	30.581
268.1	368.571	31.315
272.5	366.949	32.164
276.8	365.377	32.980
280.5	363.963	33.708
284.7	362.407	34.502
288.6	360.913	35.255
292.9	359.269	36.077
296.6	357.811	36.800
300.4	356.350	37.534
304.3	354.855	38.279
307.6	353.562	38.918
311.9	351.878	39.743
315.0	350.649	40.339
319.0	349.017	41.123
322.2	347.735	41.735
325.8	346.301	42.414
329.7	344.740	43.163
332.6	343.547	43.732
336.0	342.197	44.369
339.4	340.823	45.012
343.1	339.283	45.726
346.6	337.883	46.302
349.4	336.722	46.830
352.9	335.253	47.495
356.2	333.938	48.100
359.0	332.751	48.641
362.3	331.394	49.254
365.3	330.168	49.802
368.7	328.765	50.424
371.7	327.500	50.980
374.7	326.216	51.538
377.8	324.912	52.100
380.9	323.626	52.667
384.1	322.319	53.237
386.5	321.327	53.666
389.7	319.987	54.240
392.9	318.628	54.818
395.3	317.596	55.252
398.2	316.376	55.760
401.1	315.142	56.270
404.1	313.917	56.783
407.0	312.683	57.300
409.6	311.614	57.744
412.6	310.350	58.263
415.2	309.253	58.708
417.8	308.144	59.154
420.9	306.835	59.676
423.1	305.889	60.049
426.3	304.568	60.574
428.5	303.629	60.952
431.2	302.489	61.406
434.5	301.145	61.937
436.3	300.369	62.240
439.1	299.194	62.695
441.5	298.204	63.075
444.8	296.805	63.606
446.7	295.997	63.909
449.1	295.006	64.293
452.0	293.806	64.755
454.4	292.798	65.140
457.4	291.574	65.601
459.9	290.544	65.985
461.9	289.714	66.292
464.4	288.672	66.677
466.9	287.616	67.060
468.9	286.775	67.369
471.5	285.733	67.757
474.6	284.470	68.223
476.1	283.857	68.366
479.3	282.573	68.831
481.4	281.708	69.141
483.5	280.838	69.450
485.7	279.962	69.758
488.3	278.856	70.144
491.0	277.761	70.532
492.7	277.106	70.767
496.0	275.781	71.234
497.6	275.109	71.466
499.8	274.209	71.776
502.1	273.302	72.084
504.9	272.158	72.469

Table 2. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 1026 ft HOB (continued).

REFLECT-4A RUN 84-1

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
506.6	271.466	72.700
509.4	270.318	73.085
511.7	269.410	73.396
513.4	268.723	73.630
515.2	268.033	73.863
517.5	267.113	74.177
519.8	266.181	74.485
522.8	265.005	74.870
524.0	264.532	75.023
526.4	263.581	75.329
529.4	262.402	75.715
530.6	261.935	75.871
533.0	260.994	76.181
534.8	260.284	76.414
537.3	259.330	76.723
539.1	258.609	76.954
542.3	257.400	77.338
543.5	256.914	77.491
546.0	255.935	77.795
548.5	254.974	78.104
550.5	254.251	78.337
551.7	253.768	78.492
554.3	252.797	78.800
556.2	252.063	79.031
558.8	251.078	79.338
560.1	250.583	79.490
562.8	249.588	79.794
564.1	249.088	79.945
566.1	248.347	80.176
568.7	247.368	80.487
570.1	246.875	80.642
572.7	245.885	80.950
574.8	245.136	81.181
576.1	244.635	81.334
578.2	243.880	81.564
581.0	242.868	81.868
583.0	242.103	82.095
584.4	241.609	82.251
585.8	241.111	82.407
588.6	240.112	82.718
590.0	239.609	82.872
591.4	239.103	83.027
594.3	238.088	83.335
595.7	237.578	83.488
597.9	236.809	83.717
599.3	236.294	83.870
601.5	235.529	84.101
602.9	235.025	84.259
605.9	234.014	84.572
607.3	233.506	84.728
608.8	232.996	84.883
611.0	232.228	85.116
612.5	231.712	85.272
615.5	230.678	85.580
617.1	230.158	85.733
618.6	229.658	85.787
620.1	229.151	85.946
621.6	228.643	86.105
623.9	227.875	86.342
625.4	227.362	86.500
628.5	226.331	86.813
630.1	225.812	86.972
631.7	225.292	87.128
634.0	224.507	87.363
635.6	223.990	87.521
637.2	223.481	87.683
638.8	222.970	87.845
640.4	222.457	88.007
642.0	221.941	88.168
643.6	221.423	88.329
645.2	220.903	88.491
646.8	220.383	88.651
649.3	219.598	88.893
650.9	219.074	89.053
652.6	218.558	89.217
654.2	218.047	89.384
655.9	217.534	89.550
658.4	216.760	89.801
660.1	216.243	89.967
661.7	215.724	90.134
663.4	215.204	90.300
665.1	214.682	90.466
666.8	214.159	90.633
668.5	213.638	90.801
669.4	213.383	90.888
671.1	212.871	91.062
672.9	212.358	91.236
674.6	211.844	91.409
677.2	211.068	91.672
679.0	210.550	91.846
680.7	210.031	92.021
682.5	209.510	92.196
683.4	209.248	92.283
685.2	208.732	92.462
687.0	208.226	92.646
688.7	207.722	92.829
690.5	207.220	93.011
692.3 *	206.721	93.191
694.1	206.224	93.371
695.8	205.730	93.550
697.6	205.238	93.728
700.2	204.500	93.990
701.9	204.023	94.169
702.8	203.785	94.259
704.5	203.318	94.443
706.2	202.854	94.626
708.8	202.163	94.901
710.5	201.706	95.083
712.2	201.252	95.265
713.0	201.026	95.355
714.7	200.577	95.537
716.4	200.132	95.718
718.1	199.703	95.905
719.7	199.278	96.092
721.4	198.855	96.278
723.0	198.436	96.465
724.7	198.019	96.651
726.3	197.606	96.837

*REFLECT-4B run started at this range.

Table 2. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 1026 ft HOB (concluded).

REFLECT-4A RUN 84-1

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
727.9	197.196	97.023
728.8	196.992	97.116
730.4	196.586	97.301
732.0	196.185	97.488
733.6	195.799	97.680
735.2	195.416	97.872
736.7	195.038	98.065
738.3	194.661	98.257
740.7	194.103	98.546
742.2	193.735	98.740
743.8	193.370	98.934
745.3	193.009	99.128
746.1	192.829	99.225
747.6	192.475	99.421
749.1	192.134	99.622
750.6	191.796	99.824
752.1	191.462	100.026
753.6	191.131	100.229
755.1	190.803	100.433
756.6	190.479	100.637
758.1	190.158	100.842
759.5	189.842	101.048
762.4	189.218	101.462
763.1	189.069	101.569
764.6	188.775	101.783
766.0	188.486	101.999
767.4	188.200	102.215
768.8	187.918	102.432
770.2	187.639	102.651
772.3	187.228	102.981
773.7	186.959	103.203
775.0	186.693	103.425
777.1	186.302	103.762
778.4	186.051	103.992
779.7	185.808	104.224
781.0	185.536	104.285
783.0	185.183	104.637
784.3	184.953	104.874
785.6	184.726	105.112
786.9	184.503	105.353
788.2	184.284	105.596
789.4	184.069	105.840
790.7	183.859	106.086
793.2	183.454	106.582
794.4	183.266	106.838
795.6	183.081	107.094
796.8	182.900	107.353
798.0	182.725	107.613
800.3	182.385	108.140
801.4	182.222	108.405
803.2	181.985	108.810
804.3	181.832	109.081
805.4	181.683	109.356
807.6	181.397	109.916
808.7	181.268	110.206
809.8	181.142	110.499
810.9	181.020	110.796
813.0	180.787	111.401
814.1	180.678	111.712
815.2	180.573	112.026
816.7	180.423	112.506
818.8	180.239	113.164
819.8	180.154	113.501
820.9	180.073	113.842
822.9	179.930	114.547
824.4	179.843	115.097
825.4	179.792	115.472
826.4	179.745	115.853
828.3	179.669	116.640
829.3	179.640	117.045
831.2	179.601	117.883
832.2	179.590	118.316
834.0	179.590	119.213
835.0	179.601	119.678
836.8	179.647	120.646
837.7	179.686	121.150
839.5	179.793	122.202
840.4	179.860	122.750
842.2	180.026	123.901
843.0	180.127	124.507
844.8	180.365	125.785
846.0	180.582	126.813
847.7	180.929	128.290
848.6	181.132	129.084
850.2	181.609	130.809
951.4	182.043	132.250
853.0	182.753	134.412
854.6	183.668	136.981
855.4	184.236	138.487
856.9	185.770	142.308

Table 3. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 1710 ft HOB.

REFLECT-4A RUN 84-2

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)	GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
24.6	86.918	0.014	459.6	77.347	3.858
24.7	86.919	0.013	464.1	77.179	3.920
27.2	86.912	0.016	468.2	77.027	3.976
30.0	86.904	0.020	473.4	76.833	4.047
33.2	86.894	0.024	477.5	76.678	4.105
36.7	86.882	0.030	482.2	76.500	4.170
40.5	86.867	0.036	486.4	76.339	4.229
44.7	86.849	0.044	491.3	76.154	4.296
49.4	86.827	0.054	495.6	75.987	4.356
54.5	86.800	0.066	500.5	75.797	4.424
60.2	86.768	0.080	504.4	75.646	4.478
66.5	86.728	0.098	508.8	75.471	4.540
73.5	86.679	0.119	512.8	75.317	4.595
81.1	86.620	0.145	517.3	75.140	4.658
89.7	86.547	0.177	521.9	74.961	4.722
99.1	86.454	0.217	525.3	74.825	4.770
109.3	86.345	0.263	529.4	74.664	4.827
120.8	86.210	0.321	534.1	74.477	4.893
133.4	86.048	0.390	537.6	74.335	4.942
147.4	85.848	0.475	542.4	74.144	5.009
163.0	85.607	0.577	546.6	73.973	5.067
179.9	85.317	0.700	549.7	73.853	5.110
199.1	84.960	0.845	554.6	73.657	5.178
220.0	84.533	1.025	557.6	73.533	5.221
242.9	84.027	1.237	562.0	73.360	5.281
251.6	83.823	1.323	566.4	73.181	5.342
260.1	83.618	1.408	569.5	73.052	5.386
268.5	83.406	1.495	574.0	72.870	5.447
276.4	83.205	1.578	577.2	72.742	5.477
284.2	83.000	1.661	581.7	72.556	5.539
291.5	82.802	1.742	585.6	72.396	5.593
298.8	82.604	1.823	588.2	72.289	5.629
305.9	82.405	1.903	592.8	72.099	5.693
312.8	82.207	1.983	596.1	71.962	5.738
320.0	82.001	2.066	599.5	71.824	5.784
326.9	81.796	2.148	602.8	71.684	5.830
332.9	81.615	2.219	607.6	71.486	5.895
339.4	81.417	2.298	611.0	71.343	5.941
346.0	81.215	2.379	613.7	71.229	5.978
352.0	81.029	2.452	618.6	71.029	6.044
358.1	80.838	2.528	621.4	70.913	6.082
364.3	80.640	2.606	625.6	70.738	6.139
370.2	80.449	2.681	629.1	70.590	6.186
376.2	80.252	2.758	631.9	70.471	6.225
381.6	80.081	2.814	635.5	70.321	6.272
386.9	79.901	2.884	638.4	70.200	6.311
392.8	79.704	2.960	642.7	70.017	6.369
398.4	79.518	3.033	645.6	69.896	6.408
404.0	79.327	3.107	649.3	69.743	6.456
408.8	79.162	3.171	652.2	69.620	6.495
414.2	78.977	3.242	655.9	69.465	6.545
419.6	78.787	3.314	658.9	69.339	6.584
424.6	78.610	3.381	663.4	69.150	6.643
429.7	78.428	3.450	666.4	69.022	6.683
434.9	78.244	3.520	668.7	68.925	6.712
439.6	78.075	3.584	673.2	68.733	6.772
444.9	77.885	3.656	675.5	68.636	6.802
449.2	77.727	3.716	678.6	68.507	6.842
454.6	77.530	3.790	681.7	68.377	6.882

Table 3. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 1710 ft HOB (continued).

REFLECT-4A RUN 84-2

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
684.8	68.245	6.923
688.8	68.078	6.973
692.7	67.910	7.023
695.9	67.775	7.064
699.1	67.638	7.104
701.5	67.536	7.135
704.7	67.401	7.176
707.1	67.298	7.206
711.2	67.126	7.257
714.4	66.987	7.298
717.7	66.848	7.339
720.2	66.742	7.370
723.5	66.600	7.411
726.9	66.458	7.452
729.4	66.351	7.484
731.9	66.245	7.515
735.3	66.102	7.556
737.8	65.995	7.587
741.2	65.850	7.629
743.8	65.741	7.660
747.3	65.594	7.702
749.9	65.484	7.733
753.4	65.335	7.775
756.9	65.188	7.817
758.6	65.115	7.838
763.0	64.929	7.890
764.8	64.855	7.911
768.4	64.705	7.953
770.1	64.629	7.974
774.6	64.439	8.027
776.5	64.363	8.048
780.1	64.209	8.090
781.9	64.133	8.111
784.7	64.019	8.143
788.3	63.866	8.185
790.2	63.788	8.206
793.0	63.676	8.222
795.7	63.559	8.254
799.5	63.402	8.296
801.4	63.323	8.317
805.1	63.165	8.359
807.0	63.087	8.380
809.9	62.969	8.412
812.7	62.851	8.444
816.6	62.692	8.487
818.5	62.612	8.508
822.4	62.452	8.550
823.3	62.411	8.561
826.3	62.290	8.592
830.2	62.127	8.635
832.1	62.047	8.656
834.1	61.966	8.677
837.1	61.845	8.709
841.1	61.682	8.752
843.0	61.600	8.773
845.0	61.518	8.794
849.1	61.352	8.837
852.1	61.228	8.868
856.2	61.062	8.911
858.2	60.979	8.932
860.3	60.897	8.953
862.3	60.813	8.975
865.4	60.688	9.006
867.5	60.604	9.028
870.6	60.477	9.059
872.7	60.393	9.080
876.9	60.223	9.123
879.0	60.138	9.144
881.1	60.054	9.165
883.2	59.970	9.186
886.4	59.842	9.218
888.5	59.757	9.239
890.6	59.671	9.260
893.8	59.542	9.292
896.0	59.456	9.313
898.2	59.369	9.334
901.4	59.239	9.365
904.7	59.110	9.397
906.9	59.023	9.418
909.1	58.936	9.439
911.3	58.848	9.460
913.5	58.760	9.481
915.7	58.672	9.502
917.9	58.585	9.523
921.2	58.455	9.554
923.5	58.367	9.575
925.7	58.280	9.596
928.0	58.192	9.617
930.2	58.104	9.638
932.5	58.015	9.659
937.0	57.838	9.701
939.3	57.748	9.721
940.5	57.703	9.732
942.8	57.613	9.752
945.1	57.523	9.773
947.4	57.433	9.793
950.9	57.296	9.824
953.2	57.205	9.844
955.5	57.115	9.865
957.8	57.026	9.886
959.0	56.982	9.896
961.4	56.892	9.917
963.7	56.802	9.938
966.1	56.712	9.959
968.5	56.622	9.979
970.9	56.532	10.000
973.2	56.441	10.020
975.6	56.349	10.041
978.0	56.258	10.061
980.5	56.166	10.082
984.1	56.027	10.112
986.5	55.935	10.132
989.0	55.842	10.152
991.4	55.750	10.173
993.9	55.659	10.193
995.1	55.614	10.204
997.6	55.523	10.224
1000.0	55.432	10.245

Table 3. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 1710 ft HOB (concluded).

REFLECT-4A RUN 84-2

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)	GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
1001.3	55.386	10.255	1133.2	50.790	11.217
1005.0	55.248	10.286	1136.2	50.696	11.238
1007.5	55.155	10.306	1139.1	50.603	11.258
1010.0	55.063	10.326	1142.0	50.509	11.278
1012.5	54.970	10.346	1143.5	50.462	11.288
1015.1	54.877	10.367	1146.5	50.368	11.308
1017.6	54.784	10.387	1149.5	50.273	11.328
1020.1	54.690	10.407	1152.4	50.179	11.348
1022.7	54.596	10.426	1155.4	50.084	11.368
1025.2	54.501	10.446	1158.4	49.989	11.387
1027.8	54.409	10.466	1161.5	49.893	11.407
1029.1	54.363	10.460	1164.5	49.799	11.427
1031.7	54.271	10.480	1167.5	49.706	11.447
1034.3	54.179	10.501	1170.6	49.612	11.468
1036.8	54.086	10.521	1173.6	49.519	11.488
1039.4	53.993	10.541	1175.1	49.472	11.498
1042.0	53.900	10.561	1178.2	49.377	11.518
1044.7	53.807	10.581	1181.3	49.283	11.538
1047.3	53.713	10.601	1184.4	49.189	11.558
1049.9	53.619	10.621	1187.5	49.094	11.578
1052.6	53.525	10.641	1190.6	48.999	11.598
1053.9	53.477	10.651	1193.8	48.904	11.618
1055.2	53.430	10.661	1195.3	48.856	11.628
1057.9	53.335	10.680	1198.5	48.764	11.649
1060.6	53.239	10.700	1201.6	48.672	11.669
1063.3	53.146	10.720	1204.8	48.579	11.690
1065.9	53.054	10.740	1208.0	48.487	11.711
1068.6	52.961	10.761	1211.2	48.394	11.732
1071.3	52.867	10.781	1212.8	48.347	11.742
1074.0	52.774	10.801	1216.0	48.253	11.763
1076.8	52.680	10.821	1219.2	48.160	11.783
1079.5	52.586	10.841	1222.4	48.066	11.804
1080.9	52.539	10.851	1225.7	47.972	11.824
1083.6	52.444	10.870	1228.9	47.880	11.845
1086.4	52.349	10.890	1232.2	47.790	11.867
1089.1	52.254	10.910	1235.5	47.699	11.889
1091.9	52.158	10.929	1238.8	47.608	11.910
1094.7	52.063	10.949	1242.1	47.516	11.932
1097.5	51.969	10.969	1245.4	47.425	11.954
1100.3	51.876	10.989	1248.7	47.333	11.975
1103.1	51.783	11.009	1250.4	47.287	11.986
1105.9	51.689	11.029	1253.7	47.195	12.008
1108.8	51.595	11.049	1257.1	47.103	12.029
1110.2	51.548	11.059	1260.5 *	47.013	12.051
1113.0	51.453	11.079	1263.9	46.924	12.074
1115.9	51.359	11.099	1267.3	46.835	12.097
1118.8	51.264	11.119	1270.7	46.746	12.120
1120.2	51.216	11.128	1274.1	46.657	12.143
1121.6	51.169	11.138	1277.5	46.568	12.166
1124.5	51.073	11.158	1279.2	46.523	12.178
1127.4	50.977	11.177	1281.0	46.479	12.189
1130.3	50.883	11.197			

*REFLECT-4B run started at this range.

Table 4. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 2052 ft HOB.

REFLECT-4A RUN 84-3

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
29.6	52.966	0.006
29.6	52.966	0.006
32.5	52.963	0.008
35.7	52.959	0.009
39.3	52.954	0.011
43.2	52.948	0.014
47.5	52.941	0.016
52.3	52.932	0.020
57.5	52.921	0.024
63.1	52.908	0.029
69.4	52.893	0.035
76.3	52.874	0.043
84.0	52.851	0.052
92.3	52.823	0.062
101.7	52.789	0.076
111.7	52.749	0.091
123.0	52.696	0.110
135.0	52.634	0.133
148.5	52.560	0.160
163.4	52.471	0.194
179.8	52.363	0.234
197.6	52.236	0.281
217.4	52.081	0.339
239.3	51.896	0.404
250.1	51.798	0.441
260.3	51.702	0.476
270.4	51.604	0.512
280.2	51.506	0.548
289.4	51.410	0.583
298.5	51.312	0.618
307.3	51.216	0.653
316.0	51.121	0.688
324.1	51.029	0.722
332.5	50.933	0.758
340.0	50.844	0.790
348.0	50.745	0.825
355.9	50.648	0.859
363.1	50.556	0.892
370.4	50.461	0.925
377.1	50.373	0.956
384.7	50.272	0.991
391.6	50.178	1.024
397.8	50.093	1.053
404.5	49.999	1.086
411.3	49.903	1.119
417.8	49.811	1.150
423.9	49.725	1.181
430.6	49.630	1.214
436.9	49.539	1.246
442.3	49.460	1.273
448.2	49.371	1.303
454.8	49.276	1.331
460.4	49.191	1.360
466.6	49.096	1.392
471.9	49.015	1.420
477.2	48.933	1.447
483.1	48.840	1.479
489.1	48.745	1.510
494.0	48.666	1.537
499.1	48.586	1.564
504.7	48.496	1.594
509.8	48.415	1.621
515.5	48.323	1.652
520.2	48.247	1.678
526.1	48.152	1.710
531.4	48.064	1.739
536.2	47.985	1.765
540.4	47.914	1.789
545.3	47.832	1.816
550.3	47.749	1.843
555.9	47.653	1.874
560.3	47.578	1.898
564.7	47.502	1.923
569.9	47.413	1.952
574.4	47.333	1.977
579.6	47.243	2.006
583.5	47.174	2.028
588.8	47.081	2.057
593.5	46.999	2.084
597.5	46.927	2.106
601.6	46.855	2.129
606.4	46.769	2.156
610.5	46.695	2.179
615.4	46.607	2.207
619.6	46.531	2.230
623.8	46.453	2.254
628.1	46.375	2.278
632.4	46.296	2.302
637.5	46.203	2.330
641.1	46.136	2.351
645.5	46.056	2.376
649.2	45.989	2.396
654.3	45.894	2.426
658.1	45.825	2.447
661.8	45.756	2.468
666.4	45.672	2.493
670.2	45.601	2.515
674.8	45.515	2.541
678.6	45.443	2.562
681.7	45.384	2.580
685.6	45.310	2.602
690.4	45.221	2.628
693.5	45.163	2.639
697.5	45.087	2.661
702.3	44.996	2.688
706.4	44.920	2.710
710.4	44.844	2.733
713.7	44.783	2.751
716.9	44.721	2.769
721.1	44.643	2.792
724.4	44.580	2.811
728.6	44.501	2.834
731.9	44.437	2.853
737.0	44.340	2.881
740.4	44.275	2.899
742.9	44.225	2.913
748.1	44.126	2.942
750.7	44.076	2.956

Table 4. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 2052 ft HOB (continued).

REFLECT-4A RUN 84-3

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
754.1	44.008	2.975
757.6	43.940	2.994
761.1	43.873	3.013
764.6	43.806	3.032
769.1	43.722	3.057
771.7	43.671	3.071
775.3	43.602	3.091
778.9	43.533	3.110
783.4	43.446	3.135
786.1	43.393	3.149
789.8	43.323	3.169
792.5	43.269	3.184
796.2	43.197	3.203
799.9	43.125	3.223
804.6	43.034	3.248
806.5	42.997	3.258
810.2	42.924	3.278
813.0	42.869	3.293
816.8	42.796	3.313
821.6	42.703	3.338
823.5	42.666	3.348
826.4	42.610	3.363
830.2	42.534	3.384
833.1	42.477	3.399
838.0	42.381	3.424
840.0	42.343	3.434
843.9	42.265	3.455
847.8	42.187	3.475
849.8	42.148	3.485
853.8	42.069	3.505
855.8	42.029	3.516
859.8	41.949	3.536
862.8	41.889	3.551
866.9	41.810	3.572
868.9	41.770	3.582
873.0	41.691	3.603
875.0	41.651	3.613
878.1	41.590	3.629
882.3	41.510	3.650
884.3	41.469	3.660
887.4	41.407	3.676
890.6	41.346	3.691
894.8	41.263	3.712
896.9	41.221	3.722
901.1	41.138	3.743
903.2	41.095	3.754
906.4	41.032	3.769
910.7	40.947	3.790
914.0	40.884	3.806
916.1	40.842	3.816
918.3	40.800	3.827
921.5	40.737	3.843
925.9	40.652	3.864
927.0	40.630	3.869
931.4	40.545	3.890
933.6	40.502	3.901
938.0	40.415	3.922
939.1	40.393	3.927
943.6	40.306	3.948
945.8	40.262	3.958
948.1	40.217	3.969
952.6	40.130	3.982
954.9	40.086	3.993
958.3	40.018	4.008
960.6	39.975	4.019
962.8	39.931	4.030
965.1	39.887	4.040
969.7	39.798	4.062
970.9	39.776	4.067
974.3	39.709	4.083
976.7	39.664	4.093
981.3	39.574	4.115
983.7	39.528	4.125
986.0	39.483	4.136
988.4	39.437	4.146
990.7	39.391	4.157
994.3	39.322	4.173
996.7	39.276	4.183
999.1	39.229	4.194
1003.9	39.136	4.215
1006.3	39.091	4.225
1008.7	39.045	4.236
1012.3	38.976	4.252
1014.7	38.929	4.263
1015.9	38.906	4.268
1019.6	38.836	4.284
1022.1	38.790	4.294
1024.5	38.743	4.305
1027.0	38.696	4.315
1029.5	38.648	4.326
1034.4	38.553	4.347
1035.7	38.529	4.352
1038.2	38.482	4.363
1040.7	38.433	4.373
1043.2	38.385	4.384
1045.7	38.337	4.394
1050.7	38.242	4.415
1053.3	38.194	4.426
1055.8	38.147	4.436
1058.4	38.099	4.447
1059.6	38.075	4.452
1062.2	38.027	4.463
1064.8	37.979	4.473
1067.3	37.930	4.484
1069.9	37.882	4.494
1072.5	37.833	4.505
1076.4	37.759	4.521
1079.0	37.710	4.531
1081.7	37.661	4.541
1083.0	37.636	4.547
1085.6	37.586	4.557
1088.3	37.536	4.567
1090.9	37.486	4.578
1093.5	37.437	4.588
1096.2	37.388	4.598
1098.9	37.338	4.609
1101.5	37.288	4.619
1104.2	37.238	4.629

Table 4. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 2052 ft HOB (continued).

REFLECT-4A RUN 84-3

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
1106.9	37.188	4.640
1108.3	37.163	4.645
1111.0	37.113	4.655
1113.7	37.062	4.665
1116.4	37.011	4.676
1119.1	36.960	4.686
1121.9	36.909	4.696
1124.6	36.858	4.706
1127.3	36.806	4.716
1130.1	36.755	4.726
1131.5	36.729	4.731
1134.3	36.679	4.742
1137.0	36.628	4.752
1139.8	36.577	4.762
1142.6	36.526	4.772
1145.4	36.475	4.782
1148.2	36.424	4.793
1151.0	36.372	4.803
1153.9	36.321	4.813
1156.7	36.269	4.823
1159.6	36.217	4.833
1162.4	36.164	4.843
1165.3	36.112	4.853
1166.7	36.086	4.858
1169.6	36.033	4.867
1172.5	35.981	4.877
1175.4	35.929	4.888
1178.2	35.878	4.898
1181.2	35.826	4.908
1184.1	35.774	4.918
1187.0	35.722	4.928
1189.9	35.669	4.938
1192.9	35.617	4.947
1195.8	35.564	4.957
1197.3	35.538	4.962
1200.3	35.484	4.972
1203.2	35.431	4.982
1204.7	35.405	4.987
1207.7	35.351	4.996
1210.7	35.297	5.006
1213.7	35.245	5.016
1216.7	35.193	5.026
1219.8	35.140	5.036
1222.8	35.087	5.045
1225.8	35.034	5.055
1228.9	34.981	5.065
1230.4	34.954	5.070
1233.5	34.901	5.079
1236.6	34.847	5.081
1239.6	34.794	5.091
1242.7	34.740	5.100
1245.8	34.686	5.110
1248.9	34.631	5.119
1252.1	34.578	5.129
1255.2	34.525	5.139
1258.3	34.472	5.148
1261.5	34.418	5.158
1263.0	34.392	5.163
1266.2	34.338	5.172
1269.4	34.284	5.182
1272.6	34.230	5.191
1275.8	34.176	5.201
1279.0	34.122	5.210
1282.2	34.067	5.219
1283.8	34.040	5.224
1285.4	34.012	5.229
1288.7	33.958	5.238
1291.9	33.904	5.247
1295.1	33.850	5.257
1298.4	33.797	5.266
1301.7	33.743	5.276
1303.3	33.716	5.280
1306.6	33.661	5.290
1309.9	33.607	5.299
1313.2	33.552	5.308
1316.5	33.498	5.317
1319.9	33.443	5.326
1323.2	33.388	5.335
1326.5	33.333	5.344
1329.9	33.279	5.354
1333.3	33.225	5.363
1336.6	33.171	5.372
1340.0	33.117	5.381
1341.7	33.090	5.386
1345.1	33.035	5.395
1348.6	32.980	5.404
1352.0	32.925	5.413
1355.4	32.871	5.422
1358.9	32.815	5.431
1362.3	32.760	5.440
1365.8	32.706	5.449
1369.3	32.652	5.458
1372.8	32.598	5.467
1374.5	32.571	5.472
1378.1	32.516	5.481
1381.6	32.461	5.490
1385.1	32.407	5.498
1386.9	32.379	5.503
1390.4	32.324	5.512
1394.0	32.268	5.520
1397.6	32.212	5.529
1401.2	32.157	5.538
1404.7	32.103	5.546
1408.4	32.048	5.555
1412.0	31.993	5.564
1415.6	31.938	5.573
1419.2	31.883	5.581
1422.9	31.828	5.590
1426.6	31.772	5.598
1430.2	31.717	5.607
1432.1	31.689	5.611
1435.8	31.633	5.619
1439.5	31.579	5.628
1443.2	31.524	5.637
1446.9	31.470	5.645
1450.7	31.415	5.654
1454.4	31.360	5.662
1458.2	31.305	5.671

Table 4. Ground-reflected blast wave shock front pressures; regular reflection: 40 KT, 2052 ft HOB (concluded).

REFLECT-4A RUN 84-3

GROUND RANGE (FT)	OVERPRESSURE (PSI)	DYN PRESSURE (PSI)
1462.0	31.249	5.679
1465.8	31.194	5.688
1469.6	31.139	5.696
1473.4	31.084	5.704
1477.2	31.030	5.713
1479.1	31.003	5.717
1483.0	30.949	5.726
1484.9	30.921	5.730
1488.8	30.867	5.739
1492.7	30.812	5.747
1494.6	30.785	5.751
1498.5	30.730	5.760
1502.5	30.675	5.768
1506.4	30.620	5.776
1510.3	30.566	5.785
1514.3	30.513	5.794
1518.2	30.459	5.802
1522.2	30.405	5.811
1526.2	30.351	5.819
1530.2	30.297	5.828
1534.2	30.243	5.836
1538.3	30.188	5.845
1540.3	30.161	5.849
1544.3	30.108	5.857
1548.4	30.055	5.866
1552.5	30.002	5.875
1556.6	29.949	5.884
1560.7	29.892	5.884
1564.8	29.839	5.892
1568.9	29.785	5.901
1573.1	29.732	5.909
1577.3	29.679	5.918
1581.4	29.627	5.927
1585.6	29.575	5.936
1589.8	29.523	5.945
1594.0	29.471	5.954
1598.3	29.418	5.962
1600.4	29.392	5.967
1602.5	29.366	5.971
1606.8	29.313	5.980
1611.1	29.261	5.989
1615.4	29.210	5.998
1619.7	29.159	6.007
1624.0	29.108	6.016
1628.3	29.057	6.026
1632.7	29.006	6.035
1637.1 *	28.955	6.044
1641.4	28.903	6.053
1645.8	28.853	6.062
1650.2	28.803	6.072
1654.7	28.754	6.082
1659.1	28.704	6.091
1663.6	28.654	6.101

*REFLECT-4B run started at this range.

Table 5. Reflected blast properties at ground level for a 40-KT burst at 1026-ft altitude.

(CASE 4)

REFLECT-4A RUN 84-1
REFLECT-4B RUN 84-4

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	PÓSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1	35.0	0.1667		17.356	0.224		0.026	0.380
2	50.0	0.1669		17.408	0.226		0.042	0.360
3	100.0	0.1680		17.440	0.230		0.151	0.217
4	150.0	0.1702		17.308	0.234		0.333	0.247
5	200.0	0.1724		17.061	0.238		0.576	0.270
6	250.0	0.1771		16.729	0.241		0.868	0.285
7	300.0	0.1819		16.315	0.244		1.195	0.298
8	350.0	0.1879		15.834	0.247		1.542	0.308
9	400.0	0.1943		15.304	0.251		1.895	0.315
10	450.0	0.2019		14.735	0.255		2.242	0.321
11	500.0	0.2104		14.141	0.259		2.570	0.328
12	550.0	0.2193		13.533	0.264		2.870	0.336
13	600.0	0.2296		12.918	0.269		3.134	0.344
14	650.0	0.2405		12.307	0.274		3.349	0.353
15	700.0	0.2518		11.729	0.279		3.492	0.355
16	705.8	0.2539	202.081	11.657	0.279	93.882	3.498	0.358
17	708.2	0.2545	201.464	11.633	0.279	94.073	3.504	0.359
18	710.6	0.2551	200.786	11.609	0.279	94.178	3.509	0.360
19	713.0	0.2557	200.076	11.585	0.279	94.245	3.514	0.360
20	715.4	0.2563	199.348	11.561	0.280	94.295	3.519	0.360
21	717.9	0.2569	198.593	11.537	0.280	94.589	3.525	0.360
22	720.3	0.2575	198.040	11.512	0.280	95.208	3.531	0.361
23	722.8	0.2581	197.510	11.488	0.280	95.537	3.536	0.361
24	725.2	0.2588	196.896	11.463	0.280	95.706	3.541	0.361
25	727.7	0.2594	196.227	11.439	0.281	95.805	3.547	0.361
26	730.2	0.2600	195.527	11.415	0.281	95.868	3.553	0.361
27	732.7	0.2606	194.795	11.390	0.281	95.969	3.558	0.360
28	735.1	0.2613	194.165	11.365	0.281	96.620	3.564	0.360
29	737.6	0.2619	193.672	11.341	0.282	97.067	3.570	0.360
30	740.2	0.2626	193.109	11.316	0.282	97.299	3.576	0.360
31	742.7	0.2632	192.476	11.292	0.282	97.431	3.581	0.360
32	745.2	0.2639	191.803	11.267	0.282	97.513	3.587	0.360
33	747.7	0.2645	191.102	11.243	0.283	97.578	3.593	0.360
34	750.3	0.2652	190.444	11.218	0.283	98.193	3.598	0.360
35	752.8	0.2659	189.972	11.194	0.283	98.712	3.604	0.360
36	755.4	0.2665	189.445	11.169	0.283	98.995	3.610	0.360
37	758.0	0.2672	188.845	11.145	0.284	99.159	3.615	0.361
38	760.6	0.2679	188.199	11.120	0.284	99.261	3.621	0.361
39	763.1	0.2686	187.518	11.096	0.284	99.345	3.626	0.362
40	765.7	0.2693	186.887	11.071	0.284	99.995	3.632	0.363
41	766.3	0.2694	187.285	11.073	0.285	100.911	3.637	0.363
42	766.8	0.2695	187.380	11.068	0.285	101.224	3.638	0.364
43	767.3	0.2697	187.383	11.063	0.285	101.535	3.640	0.364
44	767.8	0.2698	187.383	11.058	0.285	101.821	3.641	0.364
45	768.3	0.2699	187.345	11.054	0.285	101.969	3.642	0.365

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
46	768.8	0.2701	187.280	11.049	0.285	102.054	3.644	0.365
47	769.3	0.2702	187.196	11.044	0.285	102.112	3.645	0.365
48	769.8	0.2703	187.101	11.039	0.285	102.156	3.646	0.365
49	770.3	0.2705	186.997	11.034	0.285	102.193	3.647	0.366
50	770.8	0.2706	186.887	11.030	0.285	102.226	3.649	0.366
51	771.3	0.2707	186.772	11.025	0.285	102.255	3.650	0.366
52	771.9	0.2709	186.653	11.020	0.285	102.281	3.651	0.366
53	772.4	0.2710	186.532	11.015	0.285	102.304	3.653	0.366
54	772.9	0.2711	186.408	11.011	0.285	102.324	3.654	0.367
55	773.4	0.2713	186.283	11.006	0.285	102.343	3.655	0.367
56	773.9	0.2714	186.156	11.001	0.285	102.360	3.656	0.367
57	774.4	0.2716	186.028	10.996	0.285	102.375	3.658	0.367
58	774.9	0.2717	185.899	10.991	0.285	102.389	3.659	0.367
59	775.4	0.2718	185.769	10.987	0.285	102.402	3.660	0.367
60	775.9	0.2720	185.639	10.982	0.285	102.414	3.661	0.367
61	776.4	0.2721	185.508	10.977	0.286	102.425	3.663	0.367
62	776.9	0.2722	185.377	10.972	0.286	102.436	3.664	0.368
63	777.4	0.2724	185.245	10.968	0.286	102.528	3.665	0.368
64	778.0	0.2725	185.101	10.963	0.286	103.008	3.667	0.368
65	778.5	0.2727	185.081	10.958	0.286	103.326	3.668	0.368
66	779.0	0.2728	185.096	10.953	0.286	103.545	3.669	0.368
67	779.5	0.2729	185.122	10.948	0.286	103.837	3.671	0.368
68	780.0	0.2731	185.135	10.943	0.286	104.052	3.672	0.368
69	780.5	0.2732	185.110	10.939	0.286	104.183	3.673	0.368
70	781.0	0.2733	185.050	10.934	0.286	104.265	3.675	0.368
71	781.5	0.2735	184.968	10.929	0.286	104.329	3.676	0.368
72	782.0	0.2736	184.874	10.924	0.286	104.382	3.677	0.368
73	782.5	0.2738	184.774	10.920	0.286	104.428	3.678	0.368
74	783.0	0.2739	184.669	10.915	0.286	104.468	3.680	0.368
75	783.5	0.2740	184.560	10.910	0.286	104.503	3.681	0.368
76	784.0	0.2742	184.448	10.905	0.286	104.535	3.682	0.368
77	784.5	0.2743	184.333	10.901	0.286	104.564	3.684	0.368
78	785.1	0.2744	184.217	10.896	0.286	104.590	3.685	0.368
79	785.6	0.2746	184.098	10.891	0.286	104.614	3.686	0.368
80	786.1	0.2747	183.979	10.886	0.286	104.636	3.687	0.368
81	786.6	0.2749	183.858	10.882	0.287	104.657	3.689	0.368
82	787.1	0.2750	183.736	10.877	0.287	104.676	3.690	0.368
83	787.6	0.2751	183.614	10.872	0.287	104.694	3.691	0.368
84	788.1	0.2753	183.491	10.867	0.287	104.712	3.692	0.368
85	788.6	0.2754	183.367	10.863	0.287	104.728	3.694	0.368
86	789.1	0.2756	183.243	10.858	0.287	104.744	3.695	0.368
87	789.6	0.2757	183.118	10.853	0.287	104.759	3.696	0.368
88	790.2	0.2758	182.993	10.849	0.287	104.773	3.698	0.368
89	790.7	0.2760	182.868	10.844	0.287	104.787	3.699	0.368
90	791.2	0.2761	182.743	10.839	0.287	104.800	3.700	0.368

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
91	791.7	0.2763	182.617	10.835	0.287	104.812	3.701	0.368
92	792.2	0.2764	182.491	10.830	0.287	104.825	3.703	0.368
93	792.7	0.2765	182.365	10.825	0.287	105.173	3.704	0.368
94	793.2	0.2767	182.257	10.820	0.287	105.593	3.705	0.368
95	793.7	0.2768	182.296	10.816	0.287	105.882	3.707	0.368
96	794.2	0.2770	182.310	10.811	0.287	106.120	3.708	0.368
97	794.7	0.2771	182.349	10.806	0.287	106.414	3.709	0.368
98	795.2	0.2772	182.360	10.801	0.287	106.627	3.711	0.368
99	795.8	0.2774	182.339	10.797	0.287	106.787	3.712	0.368
100	796.3	0.2775	182.296	10.792	0.287	106.912	3.713	0.368
101	796.8	0.2777	182.235	10.787	0.288	107.013	3.714	0.368
102	797.3	0.2778	182.163	10.782	0.288	107.096	3.716	0.368
103	797.8	0.2779	182.082	10.778	0.288	107.167	3.717	0.368
104	798.3	0.2781	181.994	10.773	0.288	107.227	3.718	0.368
105	798.8	0.2782	181.900	10.768	0.288	107.280	3.720	0.368
106	799.3	0.2784	181.803	10.764	0.288	107.327	3.721	0.368
107	799.8	0.2785	181.702	10.759	0.288	107.370	3.722	0.368
108	800.3	0.2787	181.598	10.754	0.288	107.409	3.723	0.368
109	800.8	0.2788	181.492	10.750	0.288	107.446	3.725	0.368
110	801.4	0.2789	181.384	10.745	0.288	107.480	3.726	0.368
111	801.6	0.2790	181.248	10.743	0.288	107.383	3.726	0.368
112	801.9	0.2791	181.212	10.740	0.288	107.487	3.727	0.368
113	802.2	0.2792	181.163	10.737	0.288	107.557	3.728	0.368
114	802.5	0.2793	181.110	10.734	0.288	107.600	3.729	0.368
115	802.8	0.2794	181.050	10.731	0.288	107.632	3.729	0.368
116	803.2	0.2794	180.988	10.729	0.288	107.660	3.730	0.368
117	803.5	0.2795	180.923	10.726	0.288	107.685	3.731	0.368
118	803.8	0.2796	180.857	10.723	0.288	107.708	3.732	0.368
119	804.1	0.2797	180.791	10.720	0.288	107.728	3.733	0.368
120	804.4	0.2798	180.724	10.717	0.288	107.748	3.733	0.368
121	804.7	0.2799	180.657	10.715	0.288	107.766	3.734	0.368
122	805.0	0.2800	180.588	10.712	0.288	107.783	3.735	0.368
123	805.3	0.2800	180.520	10.709	0.288	107.800	3.736	0.368
124	805.6	0.2801	180.450	10.706	0.288	107.815	3.736	0.368
125	806.0	0.2802	180.381	10.703	0.288	107.830	3.737	0.368
126	806.3	0.2803	180.311	10.700	0.289	107.845	3.738	0.368
127	806.6	0.2804	180.240	10.698	0.289	107.859	3.739	0.368
128	806.9	0.2805	180.170	10.695	0.289	107.873	3.739	0.368
129	807.2	0.2806	180.099	10.692	0.289	107.886	3.740	0.368
130	807.5	0.2807	180.044	10.689	0.289	108.267	3.741	0.368
131	807.8	0.2807	180.378	10.686	0.289	108.880	3.742	0.368
132	808.2	0.2808	180.431	10.683	0.289	109.337	3.743	0.368
133	808.5	0.2809	180.495	10.680	0.289	109.636	3.744	0.368
134	808.8	0.2810	180.536	10.677	0.289	109.858	3.744	0.368
135	809.1	0.2811	180.553	10.675	0.289	110.032	3.745	0.368

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
136	809.4	0.2812	180.552	10.672	0.289	110.189	3.746	0.368
137	809.7	0.2813	180.539	10.669	0.289	110.314	3.747	0.368
138	810.0	0.2814	180.516	10.666	0.289	110.418	3.748	0.368
139	810.4	0.2814	180.486	10.663	0.289	110.506	3.748	0.368
140	810.7	0.2815	180.451	10.660	0.289	110.583	3.749	0.368
141	811.0	0.2816	180.411	10.657	0.289	110.651	3.750	0.368
142	811.3	0.2817	180.367	10.654	0.289	110.712	3.751	0.368
143	811.6	0.2818	180.322	10.651	0.289	110.767	3.752	0.368
144	811.9	0.2819	180.276	10.649	0.289	110.818	3.753	0.368
145	812.2	0.2820	180.227	10.646	0.289	110.865	3.753	0.368
146	812.6	0.2821	180.176	10.643	0.289	110.909	3.754	0.368
147	812.9	0.2822	180.123	10.640	0.289	110.950	3.755	0.368
148	813.2	0.2823	180.068	10.637	0.289	110.988	3.756	0.368
149	813.5	0.2823	180.012	10.634	0.289	111.025	3.757	0.368
150	813.8	0.2824	179.954	10.631	0.289	111.059	3.757	0.368
151	814.2	0.2825	179.896	10.628	0.289	111.092	3.758	0.368
152	814.5	0.2826	179.837	10.626	0.289	111.124	3.759	0.368
153	814.8	0.2827	179.776	10.623	0.289	111.155	3.760	0.368
154	815.1	0.2828	179.715	10.620	0.289	111.184	3.761	0.368
155	815.4	0.2829	179.654	10.617	0.290	111.213	3.762	0.368
156	815.7	0.2830	179.592	10.614	0.290	111.241	3.762	0.368
157	816.1	0.2831	179.529	10.611	0.290	111.268	3.763	0.368
158	816.4	0.2832	179.466	10.608	0.290	111.294	3.764	0.368
159	816.7	0.2832	179.402	10.605	0.290	111.320	3.765	0.368
160	817.0	0.2833	179.338	10.603	0.290	111.345	3.766	0.368
161	817.4	0.2834	179.274	10.600	0.290	111.369	3.766	0.368
162	817.7	0.2835	179.209	10.597	0.290	111.393	3.767	0.368
163	818.0	0.2836	179.144	10.594	0.290	111.417	3.768	0.368
164	818.3	0.2837	179.078	10.591	0.290	111.440	3.769	0.368
165	818.6	0.2838	179.013	10.588	0.290	111.463	3.770	0.368
166	819.0	0.2839	178.947	10.585	0.290	111.486	3.770	0.368
167	819.3	0.2840	178.881	10.582	0.290	111.508	3.771	0.368
168	819.6	0.2841	178.815	10.579	0.290	111.530	3.772	0.368
169	819.9	0.2842	178.748	10.577	0.290	111.551	3.773	0.368
170	820.3	0.2843	178.681	10.574	0.290	111.573	3.774	0.368
171	820.6	0.2843	178.615	10.571	0.290	111.593	3.775	0.368
172	820.9	0.2844	178.547	10.568	0.290	111.613	3.775	0.368
173	821.2	0.2845	178.480	10.565	0.290	111.633	3.776	0.368
174	821.6	0.2846	178.412	10.562	0.290	111.654	3.777	0.368
175	821.9	0.2847	178.344	10.559	0.290	111.674	3.778	0.368
176	822.2	0.2848	178.277	10.556	0.290	111.902	3.779	0.368
177	822.5	0.2849	178.621	10.553	0.290	112.630	3.779	0.368
178	822.9	0.2850	178.707	10.550	0.290	113.215	3.780	0.368
179	823.2	0.2851	178.805	10.547	0.290	113.598	3.781	0.368
180	823.5	0.2852	178.877	10.544	0.290	113.887	3.782	0.368

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
181	823.8	0.2853	178.921	10.541	0.290	114.115	3.783	0.368
182	824.2	0.2854	178.944	10.538	0.290	114.300	3.784	0.368
183	824.5	0.2855	178.952	10.536	0.290	114.471	3.785	0.369
184	824.8	0.2855	178.948	10.533	0.290	114.617	3.786	0.369
185	825.1	0.2856	178.935	10.530	0.291	114.744	3.786	0.369
186	825.5	0.2857	178.916	10.527	0.291	114.855	3.787	0.369
187	825.8	0.2858	178.891	10.524	0.291	114.956	3.788	0.369
188	826.1	0.2859	178.861	10.521	0.291	115.047	3.789	0.369
189	826.5	0.2860	178.829	10.518	0.291	115.131	3.790	0.369
190	826.8	0.2861	178.793	10.515	0.291	115.209	3.791	0.369
191	827.1	0.2862	178.754	10.512	0.291	115.281	3.792	0.369
192	827.4	0.2863	178.713	10.509	0.291	115.350	3.792	0.369
193	827.8	0.2864	178.671	10.506	0.291	115.414	3.793	0.369
194	828.1	0.2865	178.629	10.503	0.291	115.476	3.794	0.369
195	828.4	0.2866	178.584	10.500	0.291	115.534	3.795	0.370
196	828.8	0.2867	178.538	10.497	0.291	115.591	3.796	0.370
197	829.1	0.2868	178.491	10.494	0.291	115.645	3.797	0.370
198	829.4	0.2869	178.443	10.491	0.291	115.697	3.798	0.370
199	829.8	0.2870	178.393	10.488	0.291	115.747	3.799	0.370
200	830.1	0.2871	178.343	10.486	0.291	115.796	3.799	0.370
201	830.4	0.2872	178.291	10.483	0.291	115.844	3.800	0.370
202	830.7	0.2873	178.239	10.480	0.291	115.890	3.801	0.370
203	831.1	0.2873	178.186	10.477	0.291	115.935	3.802	0.371
204	831.4	0.2874	178.133	10.474	0.291	115.980	3.803	0.371
205	831.7	0.2875	178.079	10.471	0.291	116.023	3.804	0.371
206	832.1	0.2876	178.025	10.468	0.291	116.066	3.805	0.371
207	832.4	0.2877	177.970	10.465	0.291	116.107	3.805	0.371
208	832.7	0.2878	177.915	10.462	0.291	116.148	3.806	0.371
209	833.1	0.2879	177.859	10.459	0.291	116.189	3.807	0.372
210	833.4	0.2880	177.804	10.456	0.291	116.229	3.808	0.372
211	833.7	0.2881	177.748	10.454	0.291	116.268	3.809	0.372
212	834.0	0.2882	177.692	10.451	0.291	116.307	3.810	0.372
213	834.4	0.2883	177.635	10.448	0.292	116.345	3.810	0.372
214	834.7	0.2884	177.578	10.445	0.292	116.383	3.811	0.373
215	835.0	0.2885	177.521	10.442	0.292	116.421	3.812	0.373
216	835.4	0.2886	177.464	10.439	0.292	116.458	3.813	0.373
217	835.7	0.2887	177.406	10.436	0.292	116.495	3.814	0.373
218	836.0	0.2888	177.349	10.433	0.292	116.532	3.815	0.373
219	836.4	0.2889	177.291	10.430	0.292	116.568	3.815	0.374
220	836.7	0.2890	177.233	10.427	0.292	116.604	3.816	0.374
221	837.0	0.2891	177.512	10.424	0.292	117.199	3.817	0.374
222	837.4	0.2892	177.652	10.421	0.292	118.075	3.818	0.374
223	837.7	0.2893	177.798	10.419	0.292	118.612	3.819	0.374
224	838.0	0.2893	177.922	10.416	0.292	119.020	3.820	0.374
225	838.3	0.2894	178.013	10.413	0.292	119.346	3.821	0.374

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
226	838.7	0.2895	178.078	10.410	0.292	119.615	3.822	0.375
227	839.0	0.2896	178.123	10.407	0.292	119.846	3.823	0.375
228	839.3	0.2897	178.154	10.404	0.292	120.046	3.824	0.375
229	839.7	0.2898	178.173	10.401	0.292	120.225	3.824	0.375
230	840.0	0.2899	178.184	10.398	0.292	120.391	3.825	0.375
231	840.3	0.2900	178.187	10.395	0.292	120.548	3.826	0.375
232	840.7	0.2901	178.185	10.392	0.292	120.692	3.827	0.375
233	841.0	0.2902	178.178	10.389	0.292	120.826	3.828	0.375
234	841.3	0.2903	178.167	10.386	0.292	120.952	3.829	0.375
235	841.6	0.2904	178.152	10.383	0.292	121.070	3.830	0.375
236	842.0	0.2905	178.135	10.381	0.292	121.182	3.831	0.376
237	842.3	0.2906	178.115	10.378	0.292	121.289	3.832	0.376
238	842.6	0.2907	178.093	10.375	0.292	121.392	3.833	0.376
239	843.0	0.2908	178.069	10.372	0.292	121.490	3.833	0.376
240	843.3	0.2909	178.044	10.369	0.292	121.585	3.834	0.376
241	843.6	0.2910	178.016	10.366	0.292	121.677	3.835	0.376
242	843.9	0.2911	177.988	10.363	0.293	121.766	3.836	0.376
243	844.3	0.2912	177.958	10.360	0.293	121.853	3.837	0.376
244	844.6	0.2913	177.928	10.358	0.293	121.937	3.838	0.376
245	844.9	0.2914	177.896	10.355	0.293	122.020	3.839	0.376
246	845.3	0.2915	177.863	10.352	0.293	122.100	3.840	0.376
247	845.6	0.2916	177.830	10.349	0.293	122.179	3.841	0.376
248	845.9	0.2917	177.796	10.346	0.293	122.257	3.841	0.376
249	846.2	0.2918	177.761	10.343	0.293	122.334	3.842	0.376
250	846.6	0.2918	177.726	10.340	0.293	122.409	3.843	0.376
251	846.9	0.2919	177.691	10.338	0.293	122.483	3.844	0.376
252	847.2	0.2920	177.654	10.335	0.293	122.556	3.845	0.376
253	847.6	0.2921	177.618	10.332	0.293	122.628	3.846	0.376
254	847.9	0.2922	177.581	10.329	0.293	122.699	3.847	0.376
255	848.2	0.2923	177.543	10.326	0.293	122.770	3.848	0.376
256	848.5	0.2924	177.505	10.323	0.293	122.840	3.848	0.376
257	848.9	0.2925	177.467	10.321	0.293	122.909	3.849	0.376
258	849.2	0.2926	177.429	10.318	0.293	122.977	3.850	0.377
259	849.5	0.2927	177.390	10.315	0.293	123.045	3.851	0.377
260	849.9	0.2928	177.352	10.312	0.293	123.113	3.852	0.377
261	850.2	0.2929	177.313	10.309	0.293	123.180	3.853	0.377
262	850.5	0.2930	177.273	10.306	0.293	123.246	3.854	0.377
263	850.8	0.2931	177.234	10.304	0.293	123.313	3.855	0.377
264	851.2	0.2932	177.194	10.301	0.293	123.378	3.855	0.377
265	851.5	0.2933	177.450	10.298	0.293	123.873	3.856	0.377
266	851.8	0.2934	177.671	10.295	0.293	124.967	3.857	0.377
267	852.1	0.2935	177.876	10.292	0.293	125.669	3.858	0.377
268	852.5	0.2936	178.062	10.289	0.293	126.220	3.859	0.377
269	852.8	0.2937	178.214	10.286	0.293	126.676	3.860	0.377
270	853.1	0.2938	178.335	10.284	0.294	127.066	3.861	0.377

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
271	853.4	0.2939	178.434	10.281	0.294	127.407	3.862	0.377
272	853.8	0.2940	178.515	10.278	0.294	127.711	3.863	0.377
273	854.1	0.2941	178.583	10.275	0.294	127.988	3.864	0.377
274	854.4	0.2942	178.640	10.272	0.294	128.243	3.865	0.377
275	854.8	0.2943	178.688	10.269	0.294	128.481	3.866	0.377
276	855.1	0.2943	178.730	10.266	0.294	128.704	3.867	0.377
277	855.4	0.2944	178.765	10.264	0.294	128.916	3.868	0.377
278	855.7	0.2945	178.795	10.261	0.294	129.118	3.869	0.377
279	856.1	0.2946	178.821	10.258	0.294	129.311	3.870	0.377
280	856.4	0.2947	178.843	10.255	0.294	129.497	3.871	0.377
281	856.7	0.2948	178.862	10.252	0.294	129.677	3.872	0.377
282	857.0	0.2949	178.878	10.250	0.294	129.851	3.873	0.377
283	857.4	0.2950	178.892	10.247	0.294	130.021	3.874	0.377
284	857.7	0.2951	178.903	10.244	0.294	130.186	3.875	0.377
285	858.0	0.2952	178.912	10.241	0.294	130.348	3.875	0.377
286	858.3	0.2953	178.920	10.238	0.294	130.506	3.876	0.377
287	858.7	0.2954	178.926	10.235	0.294	130.662	3.877	0.377
288	859.0	0.2955	178.931	10.233	0.294	130.815	3.878	0.377
289	859.3	0.2956	178.934	10.230	0.294	130.965	3.879	0.377
290	859.7	0.2957	178.936	10.227	0.294	131.114	3.880	0.377
291	860.0	0.2958	178.938	10.224	0.294	131.260	3.881	0.377
292	860.3	0.2959	178.938	10.222	0.294	131.405	3.882	0.377
293	860.6	0.2960	178.938	10.219	0.294	131.549	3.883	0.377
294	861.0	0.2961	178.936	10.216	0.295	131.691	3.884	0.377
295	861.3	0.2962	178.934	10.213	0.295	131.832	3.885	0.377
296	861.6	0.2963	178.932	10.210	0.295	131.971	3.886	0.377
297	862.0	0.2964	178.929	10.208	0.295	132.110	3.887	0.377
298	862.3	0.2965	178.925	10.205	0.295	132.248	3.888	0.377
299	862.6	0.2966	178.921	10.202	0.295	132.385	3.889	0.377
300	862.9	0.2967	178.916	10.199	0.295	132.521	3.890	0.377
301	863.3	0.2968	178.911	10.196	0.295	132.657	3.891	0.377
302	863.6	0.2969	178.906	10.194	0.295	132.792	3.892	0.377
303	863.9	0.2970	178.901	10.191	0.295	132.927	3.893	0.377
304	864.3	0.2971	178.895	10.188	0.295	133.061	3.894	0.377
305	864.6	0.2972	178.889	10.185	0.295	133.195	3.895	0.377
306	864.9	0.2973	178.883	10.183	0.295	133.328	3.896	0.377
307	865.2	0.2974	178.876	10.180	0.295	133.461	3.897	0.377
308	865.6	0.2975	178.870	10.177	0.295	133.594	3.898	0.377
309	865.9	0.2976	179.174	10.174	0.295	134.288	3.899	0.377
310	866.2	0.2977	179.508	10.171	0.295	135.626	3.900	0.377
311	866.6	0.2978	179.816	10.168	0.295	136.562	3.901	0.377
312	866.9	0.2979	180.091	10.166	0.295	137.329	3.902	0.377
313	867.2	0.2980	180.344	10.163	0.295	138.008	3.903	0.377
314	867.5	0.2981	180.552	10.160	0.295	138.595	3.904	0.377
315	867.9	0.2982	180.733	10.157	0.295	139.126	3.905	0.377

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
316	868.2	0.2983	180.912	10.154	0.295	139.630	3.906	0.377
317	868.5	0.2983	181.061	10.152	0.295	140.086	3.907	0.377
318	868.8	0.2984	181.196	10.149	0.295	140.516	3.908	0.377
319	869.2	0.2985	181.321	10.146	0.295	140.925	3.909	0.377
320	869.5	0.2986	181.438	10.143	0.295	141.316	3.910	0.377
321	869.8	0.2987	181.548	10.140	0.295	141.694	3.911	0.377
322	870.1	0.2988	181.652	10.138	0.296	142.059	3.912	0.377
323	870.5	0.2989	181.751	10.135	0.296	142.413	3.913	0.377
324	870.8	0.2990	181.845	10.132	0.296	142.759	3.915	0.377
325	871.1	0.2991	181.936	10.129	0.296	143.097	3.916	0.377
326	871.4	0.2992	182.020	10.127	0.296	143.426	3.917	0.377
327	871.8	0.2993	182.107	10.124	0.296	143.754	3.918	0.377
328	872.1	0.2994	182.189	10.121	0.296	144.075	3.919	0.377
329	872.4	0.2995	182.269	10.118	0.296	144.391	3.920	0.377
330	872.7	0.2996	182.346	10.116	0.296	144.703	3.921	0.377
331	873.1	0.2997	182.422	10.113	0.296	145.011	3.922	0.377
332	873.4	0.2998	182.496	10.110	0.296	145.317	3.923	0.377
333	873.7	0.2999	182.569	10.107	0.296	145.620	3.924	0.377
334	874.0	0.3000	182.640	10.105	0.296	145.920	3.925	0.377
335	874.4	0.3001	182.710	10.102	0.296	146.219	3.926	0.377
336	874.7	0.3002	182.780	10.099	0.296	146.516	3.928	0.377
337	875.0	0.3003	182.848	10.097	0.296	146.811	3.929	0.377
338	875.3	0.3004	182.916	10.094	0.296	147.104	3.930	0.377
339	875.6	0.3005	182.983	10.091	0.296	147.395	3.931	0.377
340	876.0	0.3006	183.048	10.089	0.296	147.684	3.932	0.377
341	876.3	0.3007	183.115	10.086	0.296	147.975	3.933	0.376
342	876.6	0.3008	183.180	10.083	0.296	148.263	3.934	0.376
343	876.9	0.3009	183.245	10.081	0.296	148.551	3.935	0.376
344	877.2	0.3010	183.310	10.078	0.296	148.839	3.936	0.376
345	877.6	0.3011	183.374	10.075	0.296	149.127	3.937	0.376
346	877.9	0.3012	183.439	10.073	0.296	149.414	3.938	0.376
347	878.2	0.3013	183.503	10.070	0.296	149.702	3.940	0.376
348	878.5	0.3014	183.567	10.067	0.296	149.990	3.941	0.376
349	878.8	0.3015	183.631	10.065	0.296	150.277	3.942	0.376
350	879.2	0.3016	183.695	10.062	0.296	150.566	3.943	0.376
351	879.5	0.3017	183.760	10.059	0.296	150.854	3.944	0.376
352	879.8	0.3018	183.824	10.057	0.297	151.143	3.945	0.376
353	880.1	0.3018	183.978	10.054	0.297	151.559	3.946	0.376
354	880.4	0.3019	184.572	10.051	0.297	153.439	3.947	0.376
355	880.7	0.3020	185.033	10.049	0.297	154.877	3.949	0.376
356	881.1	0.3021	185.471	10.046	0.297	156.125	3.950	0.376
357	881.4	0.3022	185.888	10.043	0.297	157.250	3.951	0.377
358	881.7	0.3023	186.271	10.041	0.297	158.286	3.952	0.377
359	882.0	0.3024	186.625	10.038	0.297	159.252	3.954	0.377
360	882.3	0.3025	186.956	10.036	0.297	160.164	3.955	0.377

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
361	882.6	0.3026	187.269	10.033	0.297	161.035	3.956	0.377
362	882.9	0.3027	187.569	10.030	0.297	161.873	3.957	0.377
363	883.2	0.3028	187.856	10.028	0.297	162.684	3.958	0.377
364	883.5	0.3029	188.133	10.025	0.297	163.472	3.960	0.377
365	883.9	0.3030	188.401	10.022	0.297	164.243	3.961	0.377
366	884.2	0.3031	188.662	10.020	0.297	164.997	3.962	0.377
367	884.5	0.3032	188.917	10.017	0.297	165.739	3.964	0.377
368	884.8	0.3033	189.165	10.015	0.297	166.469	3.965	0.377
369	885.1	0.3034	189.413	10.012	0.297	167.192	3.966	0.377
370	885.4	0.3035	189.655	10.010	0.297	167.908	3.967	0.377
371	885.7	0.3036	189.894	10.007	0.297	168.619	3.969	0.377
372	886.0	0.3036	190.131	10.005	0.297	169.326	3.970	0.377
373	886.3	0.3037	190.366	10.002	0.297	170.030	3.971	0.377
374	886.6	0.3038	190.598	9.999	0.297	170.731	3.973	0.377
375	886.9	0.3039	190.759	9.997	0.297	171.245	3.974	0.377
376	887.2	0.3040	190.865	9.994	0.297	171.566	3.975	0.377
377	887.5	0.3041	190.925	9.992	0.297	171.775	3.976	0.377
378	887.8	0.3042	190.786	9.989	0.297	171.930	3.978	0.377
379	888.1	0.3043	190.929	9.987	0.298	172.021	3.979	0.377
380	888.5	0.3044	190.767	9.984	0.298	172.086	3.980	0.377
381	888.8	0.3045	190.577	9.982	0.298	172.145	3.982	0.377
382	889.1	0.3046	190.152	9.979	0.298	172.171	3.983	0.377
383	889.4	0.3047	189.526	9.977	0.298	172.195	3.985	0.377
384	889.7	0.3048	189.221	9.974	0.298	172.134	3.986	0.377
385	890.0	0.3049	188.318	9.972	0.298	172.089	3.988	0.377
386	890.3	0.3050	188.108	9.969	0.298	172.040	3.990	0.377
387	890.6	0.3051	187.295	9.967	0.298	172.050	3.991	0.377
388	890.9	0.3051	186.636	9.964	0.298	171.991	3.993	0.377
389	891.2	0.3052	186.037	9.962	0.298	171.730	3.995	0.377
390	891.5	0.3053	185.001	9.959	0.298	171.547	3.997	0.377
391	891.8	0.3054	184.283	9.957	0.298	171.314	3.999	0.377
392	892.1	0.3055	183.308	9.954	0.298	171.085	4.001	0.377
393	892.4	0.3056	182.311	9.952	0.298	170.845	4.003	0.377
394	892.7	0.3057	181.373	9.949	0.298	170.571	4.005	0.377
395	893.0	0.3058	180.243	9.947	0.298	170.298	4.008	0.377
396	893.3	0.3059	179.158	9.944	0.298	169.995	4.010	0.377
397	893.6	0.3060	177.988	9.942	0.298	169.677	4.013	0.377
398	893.9	0.3061	176.741	9.939	0.298	169.348	4.016	0.377
399	894.2	0.3062	175.435	9.937	0.298	169.000	4.019	0.378
400	894.5	0.3063	174.088	9.934	0.298	169.722	4.022	0.378
401	894.9	0.3063	173.291	9.931	0.298	171.548	4.025	0.378
402	895.2	0.3064	172.478	9.929	0.298	173.955	4.028	0.378
403	895.5	0.3065	171.726	9.926	0.298	176.598	4.032	0.378
404	895.8	0.3066	171.187	9.924	0.298	179.490	4.036	0.378
405	896.1	0.3067	170.587	9.921	0.298	182.650	4.041	0.378

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
406	896.4	0.3068	169.969	9.918	0.299	186.099	4.045	0.378
407	896.7	0.3069	169.385	9.916	0.299	189.860	4.050	0.378
408	897.0	0.3070	168.722	9.913	0.299	193.963	4.055	0.378
409	897.3	0.3071	168.008	9.910	0.299	195.313	4.061	0.378
410	897.6	0.3072	167.324	9.908	0.299	201.721	4.067	0.378
411	898.0	0.3073	166.240	9.904	0.299	209.790	4.075	0.379
412	898.4	0.3074	165.932	9.901	0.299	213.974	4.084	0.379
413	898.7	0.3075	165.174	9.897	0.299	215.512	4.089	0.379
414	899.1	0.3076	164.282	9.893	0.299	220.515	4.096	0.379
415	899.5	0.3078	165.415	9.890	0.299	224.233	4.103	0.379
416	899.9	0.3079	165.234	9.887	0.299	226.913	4.109	0.379
417	900.2	0.3080	165.269	9.885	0.299	230.134	4.116	0.379
418	900.6	0.3081	165.352	9.882	0.299	233.126	4.122	0.380
419	901.0	0.3082	165.063	9.879	0.299	235.721	4.127	0.380
420	901.3	0.3083	165.292	9.876	0.299	237.674	4.133	0.380
421	901.7	0.3084	165.353	9.873	0.299	239.841	4.138	0.380
422	902.1	0.3086	165.452	9.870	0.299	241.424	4.143	0.380
423	902.4	0.3087	165.184	9.867	0.299	242.778	4.148	0.381
424	902.8	0.3088	164.829	9.864	0.299	244.164	4.153	0.381
425	903.2	0.3089	165.367	9.861	0.299	245.969	4.157	0.381
426	903.6	0.3090	164.045	9.858	0.299	247.087	4.162	0.381
427	903.9	0.3091	166.496	9.854	0.299	249.468	4.166	0.381
428	904.3	0.3092	166.338	9.853	0.300	251.315	4.170	0.382
429	904.7	0.3094	166.915	9.850	0.300	252.097	4.174	0.382
430	905.0	0.3095	165.950	9.847	0.300	252.300	4.178	0.382
431	905.4	0.3096	166.208	9.843	0.300	252.616	4.181	0.382
432	905.8	0.3097	167.034	9.841	0.300	254.409	4.185	0.382
433	906.1	0.3098	165.158	9.838	0.300	254.660	4.189	0.383
434	906.5	0.3099	165.746	9.835	0.300	255.555	4.192	0.383
435	906.9	0.3101	166.518	9.832	0.300	256.511	4.195	0.383
436	907.3	0.3102	167.710	9.830	0.300	257.724	4.198	0.383
437	907.6	0.3103	166.727	9.828	0.300	257.727	4.201	0.383
438	908.0	0.3104	167.201	9.825	0.300	257.530	4.204	0.384
439	908.4	0.3105	171.068	9.822	0.300	257.424	4.206	0.384
440	908.7	0.3106	172.755	9.821	0.300	256.716	4.207	0.384
441	909.1	0.3107	171.503	9.818	0.300	255.213	4.210	0.384
442	909.5	0.3109	169.387	9.814	0.300	254.481	4.212	0.384
443	909.8	0.3110	167.465	9.811	0.300	254.122	4.214	0.384
444	910.2	0.3111	165.926	9.808	0.300	253.928	4.216	0.384
445	910.6	0.3112	164.952	9.805	0.300	253.967	4.219	0.385
446	911.0	0.3113	163.810	9.801	0.300	254.365	4.221	0.385
447	911.4	0.3114	163.026	9.798	0.300	255.350	4.224	0.385
448	911.7	0.3116	162.179	9.795	0.300	256.894	4.227	0.385
449	912.1	0.3117	161.393	9.792	0.300	258.870	4.231	0.385
450	912.5	0.3118	160.782	9.789	0.301	261.094	4.235	0.385

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
451	912.9	0.3119	159.950	9.785	0.301	264.564	4.239	0.385
452	913.3	0.3120	159.611	9.782	0.301	267.260	4.243	0.385
453	913.7	0.3121	159.254	9.779	0.301	266.924	4.246	0.386
454	914.0	0.3122	158.734	9.776	0.301	266.783	4.250	0.386
455	914.4	0.3124	158.168	9.773	0.301	266.708	4.254	0.386
456	914.8	0.3125	157.760	9.770	0.301	266.705	4.258	0.386
457	915.2	0.3126	157.335	9.767	0.301	267.347	4.262	0.386
458	915.6	0.3127	156.890	9.764	0.301	267.710	4.266	0.386
459	916.0	0.3128	156.397	9.761	0.301	268.152	4.270	0.386
460	916.3	0.3129	156.049	9.757	0.301	268.871	4.274	0.386
461	916.7	0.3131	155.659	9.754	0.301	269.146	4.278	0.386
462	917.1	0.3132	155.216	9.751	0.301	270.106	4.282	0.386
463	917.5	0.3133	154.882	9.748	0.301	270.352	4.287	0.386
464	917.9	0.3134	154.645	9.745	0.301	270.129	4.291	0.386
465	918.2	0.3135	154.318	9.742	0.301	269.972	4.296	0.387
466	918.6	0.3136	153.928	9.739	0.301	269.931	4.300	0.387
467	919.0	0.3138	153.553	9.736	0.301	270.034	4.305	0.387
468	919.4	0.3139	153.257	9.733	0.301	269.782	4.310	0.387
469	919.8	0.3140	152.980	9.730	0.301	269.774	4.315	0.387
470	920.2	0.3141	152.609	9.726	0.301	269.705	4.320	0.387
471	920.5	0.3142	152.267	9.723	0.302	269.965	4.325	0.387
472	920.9	0.3144	151.986	9.720	0.302	270.067	4.330	0.387
473	921.3	0.3145	151.703	9.717	0.302	270.131	4.335	0.387
474	921.7	0.3146	151.412	9.714	0.302	270.087	4.340	0.387
475	922.1	0.3147	151.361	9.711	0.302	270.427	4.345	0.387
476	922.5	0.3148	151.031	9.707	0.302	270.645	4.349	0.387
477	922.9	0.3149	150.268	9.704	0.302	270.721	4.354	0.387
478	923.2	0.3151	149.962	9.701	0.302	270.964	4.358	0.387
479	923.6	0.3152	149.730	9.698	0.302	270.930	4.362	0.387
480	924.0	0.3153	149.431	9.694	0.302	270.839	4.366	0.387
481	924.4	0.3154	149.160	9.691	0.302	270.063	4.370	0.387
482	924.8	0.3155	148.905	9.688	0.302	260.536	4.375	0.387
483	925.2	0.3157	148.724	9.685	0.302	256.397	4.381	0.387
484	925.5	0.3158	148.614	9.682	0.302	255.703	4.386	0.387
485	925.9	0.3159	148.505	9.679	0.302	255.478	4.393	0.387
486	926.2	0.3160	148.382	9.677	0.302	255.383	4.396	0.387
487	926.3	0.3160	148.336	9.677	0.302	255.394	4.398	0.387
488	926.7	0.3161	148.055	9.672	0.302	255.280	4.406	0.387
489	927.2	0.3163	147.750	9.668	0.302	255.394	4.413	0.387
490	927.6	0.3164	147.486	9.665	0.302	255.621	4.420	0.387
491	928.1	0.3166	147.240	9.661	0.302	255.876	4.427	0.387
492	928.5	0.3167	147.030	9.657	0.302	256.013	4.435	0.387
493	929.0	0.3168	146.825	9.654	0.303	256.153	4.442	0.387
494	929.5	0.3170	146.566	9.650	0.303	256.314	4.449	0.387
495	929.9	0.3171	146.292	9.646	0.303	256.410	4.457	0.388

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
496	930.4	0.3173	146.018	9.643	0.303	256.617	4.464	0.388
497	930.8	0.3174	145.730	9.639	0.303	256.704	4.471	0.388
498	931.3	0.3176	145.479	9.635	0.303	256.523	4.479	0.388
499	931.8	0.3177	145.245	9.631	0.303	256.600	4.486	0.388
500	932.2	0.3178	145.015	9.628	0.303	256.739	4.493	0.388
501	932.7	0.3180	144.791	9.624	0.303	257.005	4.500	0.388
502	933.2	0.3181	144.564	9.621	0.303	257.219	4.508	0.388
503	933.6	0.3183	144.381	9.617	0.303	257.237	4.515	0.388
504	934.1	0.3184	144.180	9.613	0.303	257.463	4.522	0.388
505	934.5	0.3186	143.920	9.609	0.303	257.484	4.530	0.388
506	935.0	0.3187	143.634	9.606	0.303	257.564	4.537	0.388
507	935.5	0.3188	143.346	9.602	0.303	257.717	4.544	0.388
508	935.9	0.3190	143.073	9.598	0.303	257.725	4.551	0.388
509	936.4	0.3191	142.834	9.594	0.303	257.642	4.558	0.388
510	936.9	0.3193	142.592	9.591	0.304	257.630	4.565	0.388
511	937.3	0.3194	142.341	9.587	0.304	257.710	4.572	0.388
512	937.8	0.3196	142.079	9.583	0.304	257.732	4.579	0.388
513	938.3	0.3197	141.843	9.580	0.304	257.842	4.587	0.388
514	938.7	0.3199	141.621	9.576	0.304	257.887	4.594	0.388
515	939.2	0.3200	141.388	9.572	0.304	257.789	4.601	0.388
516	939.7	0.3202	141.152	9.568	0.304	257.839	4.608	0.388
517	940.1	0.3203	140.888	9.564	0.304	257.748	4.615	0.388
518	940.6	0.3204	140.636	9.560	0.304	257.603	4.622	0.388
519	941.1	0.3206	140.382	9.556	0.304	257.564	4.629	0.388
520	941.5	0.3207	140.126	9.552	0.304	257.393	4.636	0.388
521	942.0	0.3209	139.858	9.549	0.304	257.212	4.643	0.388
522	942.5	0.3210	139.589	9.545	0.304	257.029	4.650	0.388
523	943.0	0.3212	139.334	9.541	0.304	256.986	4.657	0.388
524	943.4	0.3213	139.104	9.538	0.304	256.876	4.664	0.388
525	943.9	0.3215	138.869	9.534	0.304	256.916	4.671	0.388
526	944.4	0.3216	138.631	9.530	0.304	256.794	4.677	0.388
527	944.9	0.3218	138.411	9.526	0.305	256.523	4.684	0.388
528	945.3	0.3219	138.231	9.523	0.305	256.424	4.691	0.388
529	945.8	0.3221	138.023	9.519	0.305	256.285	4.698	0.388
530	946.3	0.3222	137.785	9.515	0.305	256.082	4.705	0.388
531	946.8	0.3224	137.525	9.511	0.305	255.964	4.712	0.388
532	947.2	0.3225	137.249	9.507	0.305	255.686	4.719	0.388
533	947.7	0.3227	136.990	9.503	0.305	255.295	4.725	0.388
534	948.2	0.3228	136.735	9.500	0.305	255.080	4.732	0.388
535	948.7	0.3230	136.476	9.496	0.305	254.840	4.739	0.388
536	949.1	0.3231	136.218	9.492	0.305	254.537	4.745	0.388
537	949.6	0.3233	135.959	9.488	0.305	254.409	4.752	0.388
538	949.9	0.3234	135.839	9.486	0.305	254.295	4.756	0.388
539	950.1	0.3234	135.739	9.485	0.305	254.279	4.758	0.388
540	950.5	0.3236	135.524	9.481	0.305	253.976	4.765	0.388

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
541	951.0	0.3237	135.315	9.478	0.305	253.537	4.772	0.388
542	951.5	0.3239	135.103	9.474	0.305	253.285	4.779	0.388
543	952.0	0.3240	134.876	9.470	0.305	253.029	4.785	0.388
544	952.5	0.3242	134.654	9.466	0.306	252.903	4.792	0.388
545	953.0	0.3243	134.418	9.462	0.306	252.650	4.798	0.388
546	953.5	0.3245	134.167	9.458	0.306	252.275	4.805	0.388
547	953.9	0.3246	133.902	9.454	0.306	251.775	4.811	0.388
548	954.4	0.3248	133.627	9.450	0.306	251.294	4.818	0.388
549	954.9	0.3249	133.379	9.446	0.306	250.969	4.824	0.388
550	955.4	0.3251	133.134	9.442	0.306	250.789	4.830	0.388
551	955.9	0.3252	132.885	9.438	0.306	250.541	4.837	0.388
552	956.3	0.3254	132.637	9.435	0.306	250.218	4.843	0.388
553	956.8	0.3255	132.392	9.431	0.306	249.805	4.849	0.388
554	957.3	0.3257	132.186	9.427	0.306	249.329	4.855	0.388
555	957.8	0.3259	131.987	9.423	0.306	249.069	4.861	0.388
556	958.3	0.3260	131.777	9.420	0.306	248.736	4.867	0.388
557	958.8	0.3262	131.556	9.416	0.306	248.512	4.873	0.388
558	959.3	0.3263	131.325	9.412	0.307	248.193	4.880	0.388
559	959.8	0.3265	131.106	9.409	0.307	247.779	4.885	0.388
560	960.3	0.3266	130.878	9.405	0.307	247.317	4.891	0.388
561	960.8	0.3268	130.638	9.401	0.307	247.008	4.897	0.388
562	961.2	0.3269	130.385	9.397	0.307	246.601	4.903	0.388
563	961.7	0.3271	130.124	9.393	0.307	246.123	4.909	0.388
564	962.2	0.3273	129.876	9.389	0.307	245.740	4.914	0.388
565	962.7	0.3274	129.640	9.385	0.307	245.335	4.920	0.388
566	963.2	0.3276	129.409	9.381	0.307	244.955	4.925	0.388
567	963.7	0.3277	129.185	9.377	0.307	244.524	4.931	0.389
568	964.2	0.3279	128.968	9.373	0.307	244.239	4.936	0.389
569	964.7	0.3280	128.764	9.370	0.307	244.014	4.941	0.389
570	965.2	0.3282	128.557	9.366	0.307	243.720	4.947	0.389
571	965.7	0.3284	128.346	9.362	0.307	243.349	4.952	0.389
572	966.2	0.3285	128.130	9.358	0.307	242.900	4.957	0.389
573	966.7	0.3287	127.905	9.355	0.308	242.421	4.962	0.389
574	967.2	0.3288	127.685	9.351	0.308	242.062	4.967	0.389
575	967.7	0.3290	127.458	9.347	0.308	241.618	4.972	0.389
576	968.2	0.3291	127.220	9.343	0.308	241.120	4.977	0.389
577	968.7	0.3293	126.973	9.339	0.308	240.703	4.981	0.389
578	969.2	0.3295	126.720	9.335	0.308	240.227	4.986	0.389
579	969.7	0.3296	126.489	9.330	0.308	239.763	4.990	0.390
580	970.2	0.3298	126.265	9.326	0.308	239.311	4.995	0.390
581	970.7	0.3299	126.043	9.322	0.308	239.037	4.999	0.390
582	971.1	0.3301	125.820	9.318	0.308	238.754	5.003	0.390
583	971.6	0.3303	125.596	9.314	0.308	238.424	5.007	0.390
584	972.1	0.3304	125.320	9.310	0.308	238.041	5.011	0.390
585	972.7	0.3306	124.958	9.306	0.308	237.599	5.014	0.390

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
586	973.2	0.3307	124.604	9.303	0.308	237.095	5.018	0.390
587	973.7	0.3309	124.253	9.299	0.309	236.599	5.022	0.391
588	974.2	0.3311	123.975	9.295	0.309	236.219	5.025	0.391
589	974.7	0.3312	123.708	9.291	0.309	235.832	5.028	0.391
590	975.2	0.3314	123.480	9.287	0.309	235.386	5.032	0.391
591	975.7	0.3316	123.267	9.283	0.309	234.888	5.035	0.391
592	976.2	0.3317	123.042	9.280	0.309	232.588	5.038	0.392
593	976.7	0.3319	122.850	9.275	0.309	227.252	5.042	0.392
594	977.2	0.3320	122.629	9.271	0.309	221.128	5.046	0.392
595	977.7	0.3322	122.437	9.267	0.309	220.760	5.050	0.392
596	978.2	0.3324	122.272	9.263	0.309	219.937	5.055	0.393
597	978.7	0.3325	122.066	9.260	0.309	219.087	5.060	0.393
598	979.2	0.3327	121.887	9.256	0.309	218.730	5.065	0.393
599	979.7	0.3329	121.706	9.252	0.309	218.166	5.070	0.393
600	980.2	0.3330	121.523	9.249	0.309	217.616	5.076	0.394
601	980.8	0.3332	121.361	9.245	0.309	216.921	5.081	0.394
602	981.3	0.3334	121.161	9.241	0.310	216.256	5.087	0.394
603	981.8	0.3335	120.959	9.238	0.310	215.921	5.093	0.395
604	982.3	0.3337	120.791	9.234	0.310	215.520	5.098	0.395
605	982.8	0.3338	120.594	9.230	0.310	214.860	5.104	0.395
606	983.3	0.3340	120.401	9.226	0.310	214.309	5.110	0.395
607	983.8	0.3342	120.216	9.222	0.310	213.868	5.115	0.396
608	984.4	0.3343	119.996	9.218	0.310	213.485	5.121	0.396
609	984.9	0.3345	119.821	9.214	0.310	213.192	5.127	0.396
610	985.4	0.3347	119.650	9.209	0.310	212.538	5.132	0.397
611	985.9	0.3348	119.446	9.206	0.310	212.002	5.138	0.397
612	986.4	0.3350	119.260	9.202	0.310	211.819	5.143	0.397
613	987.1	0.3352	119.046	9.197	0.310	211.220	5.150	0.397
614	987.8	0.3355	118.785	9.192	0.310	210.448	5.158	0.398
615	988.6	0.3357	118.520	9.186	0.311	209.802	5.166	0.398
616	989.4	0.3360	118.237	9.180	0.311	209.323	5.175	0.398
617	990.2	0.3362	117.933	9.174	0.311	208.777	5.183	0.399
618	990.9	0.3365	117.615	9.168	0.311	208.177	5.191	0.399
619	991.7	0.3367	117.303	9.162	0.311	207.495	5.199	0.399
620	992.5	0.3370	117.007	9.156	0.311	206.750	5.207	0.400
621	993.3	0.3372	116.711	9.150	0.311	205.988	5.215	0.400
622	994.1	0.3375	116.413	9.145	0.311	205.369	5.223	0.400
623	994.8	0.3377	116.113	9.139	0.311	204.810	5.231	0.400
624	995.6	0.3380	115.813	9.133	0.312	204.198	5.239	0.401
625	996.4	0.3383	115.513	9.128	0.312	203.537	5.247	0.401
626	997.2	0.3385	115.227	9.122	0.312	202.830	5.255	0.401
627	998.0	0.3388	114.939	9.116	0.312	202.204	5.263	0.401
628	998.8	0.3390	114.648	9.110	0.312	201.740	5.270	0.401
629	999.6	0.3393	114.360	9.105	0.312	201.220	5.278	0.401
630	1000.4	0.3395	114.076	9.099	0.312	200.648	5.286	0.402

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
631	1001.2	0.3398	113.796	9.093	0.312	200.025	5.294	0.402
632	1002.0	0.3401	113.523	9.087	0.312	199.351	5.301	0.402
633	1002.8	0.3403	113.258	9.082	0.313	198.622	5.309	0.402
634	1003.6	0.3406	112.987	9.076	0.313	197.957	5.317	0.402
635	1004.3	0.3408	112.749	9.071	0.313	197.397	5.324	0.402
636	1005.1	0.3411	112.565	9.065	0.313	196.842	5.331	0.402
637	1005.9	0.3414	112.495	9.059	0.313	196.249	5.339	0.402
638	1006.7	0.3416	112.481	9.053	0.313	195.626	5.346	0.403
639	1007.5	0.3419	112.345	9.046	0.313	194.980	5.354	0.403
640	1008.3	0.3422	112.165	9.040	0.313	194.320	5.361	0.403
641	1009.1	0.3424	112.008	9.033	0.313	193,682	5.368	0.403
642	1009.9	0.3427	111.893	9.027	0.314	193.153	5.375	0.403
643	1010.7	0.3429	111.770	9.021	0.314	192.595	5.382	0.403
644	1011.5	0.3432	111.581	9.015	0.314	192.017	5.389	0.403
645	1012.3	0.3435	111.406	9.010	0.314	191.417	5.396	0.403
646	1013.1	0.3437	111.179	9.004	0.314	190.788	5.403	0.403
647	1013.9	0.3440	110.944	8.998	0.314	190.125	5.410	0.403
648	1014.7	0.3443	110.627	8.992	0.314	189.428	5.417	0.403
649	1015.6	0.3446	110.497	8.986	0.314	188.853	5.424	0.403
650	1016.4	0.3448	110.171	8.980	0.315	188.310	5.431	0.403
651	1017.2	0.3451	110.057	8.974	0.315	187.743	5.438	0.403
652	1018.0	0.3454	109.914	8.967	0.315	187.158	5.445	0.403
653	1018.9	0.3456	109.774	8.961	0.315	186.559	5.451	0.404
654	1019.7	0.3459	109.653	8.956	0.315	185.950	5.458	0.404
655	1020.5	0.3462	109.492	8.950	0.315	185.362	5.464	0.404
656	1021.3	0.3465	109.327	8.944	0.315	184.900	5.471	0.404
657	1022.2	0.3467	109.153	8.938	0.315	184.418	5.477	0.404
658	1023.0	0.3470	108.985	8.933	0.316	183.912	5.484	0.404
659	1023.8	0.3473	108.818	8.927	0.316	183.383	5.490	0.404
660	1024.7	0.3476	108.692	8.921	0.316	182.827	5.496	0.404
661	1025.5	0.3478	108.606	8.915	0.316	182.245	5.503	0.404
662	1026.3	0.3481	108.401	8.910	0.316	181.638	5.509	0.404
663	1027.2	0.3484	108.115	8.904	0.316	181.165	5.515	0.404
664	1028.0	0.3487	107.779	8.898	0.316	180.669	5.521	0.404
665	1028.8	0.3490	107.414	8.892	0.316	180.155	5.527	0.404
666	1029.7	0.3492	107.258	8.886	0.317	179.610	5.533	0.404
667	1030.5	0.3495	107.192	8.879	0.317	179.044	5.539	0.404
668	1031.4	0.3498	107.042	8.873	0.317	178.461	5.545	0.404
669	1032.2	0.3501	106.893	8.866	0.317	177.858	5.551	0.404
670	1033.1	0.3504	106.751	8.860	0.317	177.339	5.557	0.404
671	1033.9	0.3507	106.647	8.853	0.317	176.841	5.562	0.404
672	1034.7	0.3509	106.515	8.847	0.317	176.328	5.568	0.404
673	1035.6	0.3512	106.424	8.841	0.317	175.800	5.573	0.404
674	1036.4	0 3515	106.311	8.836	0.318	175.251	5.578	0.405
675	1037.3	0.3518	106.171	8.830	0.318	174.679	5.584	0.405

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
676	1038.1	0.3521	106.067	8.824	0.318	174.084	5.589	0.405
677	1039.0	0.3524	105.895	8.818	0.318	173.530	5.594	0.405
678	1039.8	0.3527	105.801	8.813	0.318	173.006	5.600	0.405
679	1040.7	0.3529	105.583	8.807	0.318	172.481	5.605	0.405
680	1041.5	0.3532	105.553	8.801	0.318	171.937	5.610	0.405
681	1042.4	0.3535	105.349	8.794	0.319	171.375	5.615	0.405
682	1043.3	0.3538	104.924	8.788	0.319	170.799	5.621	0.405
683	1044.1	0.3541	104.560	8.781	0.319	170.262	5.626	0.405
684	1045.0	0.3544	104.455	8.775	0.319	169.734	5.631	0.405
685	1045.9	0.3547	104.331	8.769	0.319	169.229	5.635	0.405
686	1046.7	0.3550	104.245	8.763	0.319	168.493	5.640	0.406
687	1047.6	0.3553	104.140	8.757	0.319	168.116	5.645	0.406
688	1048.4	0.3556	104.037	8.751	0.320	167.649	5.650	0.406
689	1049.3	0.3559	103.955	8.746	0.320	166.951	5.654	0.406
690	1050.2	0.3562	103.813	8.740	0.320	166.697	5.659	0.406
691	1051.1	0.3565	103.775	8.734	0.320	165.958	5.664	0.406
692	1051.9	0.3567	103.650	8.728	0.320	165.651	5.668	0.406
693	1052.8	0.3570	103.593	8.723	0.320	165.112	5.673	0.407
694	1053.7	0.3573	103.547	8.717	0.320	164.524	5.677	0.407
695	1054.6	0.3576	103.363	8.711	0.321	164.188	5.682	0.407
696	1055.5	0.3579	103.099	8.704	0.321	163.404	5.686	0.407
697	1056.3	0.3582	102.747	8.698	0.321	163.154	5.691	0.407
698	1057.2	0.3585	102.293	8.691	0.321	162.557	5.695	0.408
699	1058.1	0.3588	101.839	8.685	0.321	162.034	5.699	0.408
700	1059.0	0.3591	101.713	8.678	0.321	161.628	5.703	0.408
701	1059.9	0.3594	101.617	8.672	0.321	160.855	5.707	0.408
702	1060.8	0.3598	101.531	8.665	0.322	160.624	5.711	0.409
703	1061.6	0.3601	101.421	8.659	0.322	159.950	5.715	0.409
704	1062.5	0.3604	101.358	8.653	0.322	159.542	5.718	0.409
705	1063.4	0.3607	101.271	8.648	0.322	159.030	5.722	0.410
706	1064.3	0.3610	101.191	8.642	0.322	158.386	5.725	0.410
707	1065.2	0.3613	101.121	8.636	0.322	158.041	5.729	0.410
708	1066.1	0.3616	100.988	8.630	0.322	157.276	5.732	0.411
709	1067.0	0.3619	100.948	8.624	0.323	156.993	5.736	0.411
710	1067.9	0.3622	100.811	8.618	0.323	156.395	5.739	0.412
711	1068.8	0.3625	100.759	8.612	0.323	155.863	5.743	0.412
712	1069.7	0.3628	100.677	8.605	0.323	155.442	5.746	0.413
713	1071.1	0.3633	100.153	8.595	0.323	154.544	5.751	0.413
714	1072.9	0.3639	99.270	8.582	0.323	153.561	5.757	0.414
715	1074.7	0.3645	99.128	8.571	0.324	152.521	5.763	0.416
716	1076.5	0.3652	98.864	8.559	0.324	151.420	5.768	0.417
717	1078.3	0.3658	98.768	8.547	0.324	150.323	5.773	0.418
718	1080.1	0.3664	98.470	8.536	0.325	149.470	5.778	0.419
719	1081.9	0.3670	98.336	8.525	0.325	148.543	5.783	0.420
720	1083.7	0.3677	98.155	8.513	0.325	147.553	5.787	0.421

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
721	1085.5	0.3683	97.705	8.500	0.325	146.511	5.792	0.421
722	1087.4	0.3689	96.986	8.487	0.326	145.424	5.796	0.422
723	1089.2	0.3696	96.553	8.475	0.326	144.295	5.799	0.423
724	1091.0	0.3702	96.394	8.463	0.326	143.261	5.803	0.424
725	1092.9	0.3708	96.135	8.451	0.327	142.331	5.806	0.424
726	1094.7	0.3715	96.002	8.440	0.327	141.382	5.809	0.425
727	1096.5	0.3721	95.806	8.428	0.327	140.390	5.811	0.425
728	1098.4	0.3728	95.511	8.417	0.328	139.359	5.814	0.426
729	1100.2	0.3734	95.451	8.404	0.328	138.299	5.816	0.427
730	1102.1	0.3741	95.050	8.392	0.328	137.210	5.817	0.427
731	1104.0	0.3747	94.374	8.379	0.329	136.273	5.819	0.427
732	1105.8	0.3754	94.031	8.367	0.329	135.302	5.820	0.428
733	1107.7	0.3761	93.813	8.356	0.329	134.297	5.820	0.428
734	1109.6	0.3767	93.724	8.344	0.329	133.295	5.820	0.429
735	1111.5	0.3774	93.571	8.333	0.330	132.265	5.820	0.429
736	1113.3	0.3780	93.308	8.321	0.330	131.220	5.820	0.429
737	1115.2	0.3787	93.288	8.308	0.330	130.344	5.820	0.430
738	1117.2	0.3794	93.008	8.296	0.331	129.428	5.819	0.430
739	1119.1	0.3801	92.441	8.283	0.331	128.458	5.818	0.430
740	1121.0	0.3808	91.721	8.271	0.331	127.445	5.816	0.431
741	1122.9	0.3815	91.418	8.260	0.332	126.419	5.814	0.431
742	1124.8	0.3821	91.251	8.249	0.332	125.404	5.812	0.431
743	1126.8	0.3828	91.198	8.237	0.332	124.381	5.811	0.432
744	1128.7	0.3835	91.004	8.226	0.333	122.394	5.810	0.432
745	1130.6	0.3842	90.877	8.213	0.333	119.623	5.809	0.432
746	1132.6	0.3849	90.790	8.201	0.333	117.883	5.809	0.432
747	1134.6	0.3856	90.396	8.189	0.334	116.862	5.809	0.433
748	1136.6	0.3863	89.798	8.177	0.334	115.913	5.809	0.433
749	1138.6	0.3871	89.174	8.166	0.334	114.991	5.809	0.433
750	1140.5	0.3877	88.924	8.155	0.335	114.083	5.810	0.434
751	1142.5	0.3885	88.885	8.144	0.335	113.142	5.810	0.434
752	1144.5	0.3892	88.763	8.132	0.335	112.282	5.810	0.434
753	1146.5	0.3899	88.587	8.120	0.336	111.415	5.811	0.435
754	1148.5	0.3906	88.589	8.107	0.336	110.527	5.811	0.435
755	1150.6	0.3914	88.341	8.095	0.336	109.630	5.811	0.435
756	1152.7	0.3921	87.855	8.083	0.337	108.817	5.810	0.436
757	1154.7	0.3929	87.253	8.071	0.337	107.982	5.809	0.436
758	1156.7	0.3936	86.703	8.060	0.337	107.130	5.808	0.437
759	1158.8	0.3944	86.474	8.048	0.338	106.256	5.807	0.437
760	1160.8	0.3951	86.408	8.036	0.338	105.440	5.806	0.438
761	1162.9	0.3959	86.249	8.024	0.339	104.602	5.805	0.438
762	1165.0	0.3966	86.189	8.012	0.339	103.744	5.803	0.439
763	1167.1	0.3974	86.109	8.000	0.339	102.906	5.801	0.439
764	1168.3	0.3978	85.860	7.993	0.339	102.425	5.800	0.440
765	1170.2	0.3985	85.450	7.982	0.340	101.655	5.798	0.440

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
766	1172.1	0.3992	85.010	7.972	0.340	100.917	5.796	0.441
767	1174.0	0.3999	84.613	7.962	0.340	100.172	5.794	0.442
768	1175.9	0.4006	84.311	7.951	0.341	99.425	5.791	0.442
769	1177.8	0.4013	84.104	7.939	0.341	98.678	5.789	0.443
770	1179.7	0.4020	83.954	7.928	0.341	97.930	5.786	0.444
771	1181.7	0.4028	83.807	7.917	0.342	97.182	5.783	0.445
772	1183.6	0.4035	83.627	7.906	0.342	96.448	5.780	0.445
773	1185.5	0.4042	83.403	7.895	0.342	95.742	5.777	0.446
774	1187.4	0.4049	83.144	7.885	0.343	95.023	5.774	0.447
775	1189.3	0.4056	82.874	7.874	0.343	94.296	5.770	0.448
776	1191.3	0.4063	82.613	7.863	0.343	93.568	5.766	0.449
777	1193.2	0.4071	82.369	7.852	0.344	92.840	5.763	0.450
778	1195.2	0.4078	82.135	7.840	0.344	92.374	5.759	0.451
779	1197.2	0.4085	81.890	7.829	0.344	91.991	5.755	0.452
780	1199.1	0.4092	81.614	7.818	0.345	91.619	5.750	0.454
781	1201.1	0.4100	81.305	7.807	0.345	91.233	5.746	0.455
782	1203.0	0.4107	80.977	7.796	0.345	90.822	5.741	0.456
783	1205.0	0.4115	80.656	7.785	0.346	90.433	5.736	0.457
784	1207.0	0.4122	80.372	7.775	0.346	90.004	5.731	0.458
785	1209.0	0.4129	80.140	7.764	0.346	89.537	5.725	0.459
786	1211.0	0.4137	79.959	7.753	0.347	89.054	5.720	0.461
787	1213.0	0.4144	79.810	7.742	0.347	88.590	5.714	0.462
788	1215.0	0.4152	79.666	7.730	0.348	88.114	5.708	0.463
789	1217.0	0.4160	79.501	7.719	0.348	87.698	5.702	0.464
790	1219.0	0.4167	79.303	7.709	0.348	87.312	5.696	0.465
791	1221.0	0.4175	79.073	7.698	0.349	86.926	5.689	0.466
792	1223.0	0.4182	78.828	7.687	0.349	86.523	5.683	0.467
793	1225.0	0.4190	78.590	7.677	0.349	86.148	5.676	0.468
794	1227.1	0.4198	78.375	7.666	0.350	85.766	5.669	0.469
795	1229.1	0.4205	78.188	7.655	0.350	85.348	5.661	0.470
796	1231.1	0.4213	78.019	7.643	0.350	85.029	5.654	0.471
797	1233.2	0.4221	77.851	7.632	0.351	84.731	5.646	0.472
798	1235.2	0.4229	77.668	7.621	0.351	84.412	5.638	0.473
799	1237.3	0.4237	77.447	7.610	0.351	84.047	5.630	0.474
800	1239.3	0.4244	77.198	7.600	0.352	83.629	5.621	0.475
801	1241.4	0.4252	76.929	7.589	0.352	83.176	5.613	0.476
802	1243.5	0.4260	76.660	7.578	0.353	82.716	5.604	0.477
803	1245.5	0.4268	76.408	7.568	0.353	82.278	5.595	0.478
804	1247.6	0.4276	76.183	7.557	0.353	81.879	5.585	0.478
805	1249.7	0.4284	75.984	7.546	0.354	81.523	5.576	0.479
806	1251.8	0.4292	75.798	7.535	0.354	81.194	5.566	0.480
807	1253.9	0.4300	75.611	7.524	0.354	80.869	5.556	0.481
808	1256.0	0.4308	75.407	7.514	0.355	80.524	5.547	0.482
809	1258.1	0.4317	75.181	7.503	0.355	80.147	5.537	0.482
810	1260.2	0.4325	74.940	7.493	0.356	79.742	5.527	0.483

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
811	1262.3	0.4333	74.694	7.483	0.356	79.326	5.517	0.484
812	1264.4	0.4341	74.457	7.472	0.356	78.919	5.508	0.485
813	1266.5	0.4349	74.237	7.462	0.357	78.537	5.499	0.485
814	1268.7	0.4358	74.035	7.451	0.357	78.185	5.490	0.486
815	1270.8	0.4366	73.846	7.441	0.357	77.857	5.482	0.486
816	1272.9	0.4374	73.661	7.431	0.358	77.533	5.474	0.486
817	1275.1	0.4383	73.464	7.421	0.358	77.196	5.467	0.487
818	1277.2	0.4391	73.244	7.411	0.359	76.835	5.459	0.487
819	1279.4	0.4399	73.007	7.402	0.359	76.451	5.452	0.487
820	1281.5	0.4408	72.768	7.392	0.359	76.052	5.446	0.487
821	1283.7	0.4416	72.532	7.382	0.360	75.655	5.439	0.487
822	1285.9	0.4425	72.308	7.372	0.360	75.274	5.433	0.487
823	1288.1	0.4433	72.099	7.362	0.361	74.916	5.427	0.487
824	1290.2	0.4442	71.901	7.352	0.361	74.579	5.421	0.487
825	1292.4	0.4451	71.712	7.342	0.361	74.250	5.416	0.488
826	1294.6	0.4459	71.517	7.333	0.362	73.915	5.410	0.488
827	1296.8	0.4468	71.305	7.323	0.362	73.566	5.404	0.489
828	1299.0	0.4477	71.077	7.313	0.363	73.200	5.398	0.490
829	1301.2	0.4485	70.844	7.303	0.363	72.823	5.393	0.490
830	1303.5	0.4494	70.618	7.293	0.364	72.446	5.387	0.491
831	1305.7	0.4503	70.402	7.283	0.364	72.084	5.381	0.492
832	1307.9	0.4512	70.198	7.273	0.364	71.740	5.375	0.492
833	1310.2	0.4521	70.008	7.263	0.365	71.413	5.369	0.493
834	1312.4	0.4530	69.824	7.253	0.365	71.093	5.363	0.494
835	1314.7	0.4539	69.633	7.243	0.366	70.769	5.357	0.495
836	1316.9	0.4548	69.428	7.233	0.366	70.433	5.351	0.495
837	1319.2	0.4557	69.208	7.223	0.367	70.080	5.344	0.496
838	1321.5	0.4566	68.978	7.213	0.367	69.714	5.338	0.497
839	1323.8	0.4575	68.751	7.203	0.367	69.350	5.331	0.498
840	1326.1	0.4584	68.533	7.193	0.368	68.995	5.325	0.499
841	1328.4	0.4593	68.324	7.183	0.368	68.647	5.318	0.499
842	1330.7	0.4603	68.122	7.173	0.369	68.307	5.311	0.500
843	1333.1	0.4612	67.923	7.163	0.369	67.971	5.304	0.501
844	1335.4	0.4622	67.719	7.153	0.370	67.633	5.297	0.502
845	1337.8	0.4631	67.504	7.142	0.370	67.286	5.290	0.503
846	1340.2	0.4641	67.280	7.132	0.371	66.928	5.283	0.504
847	1342.6	0.4651	67.057	7.121	0.371	66.573	5.275	0.505
848	1345.0	0.4660	66.836	7.111	0.372	66.220	5.268	0.506
849	1346.4	0.4666	66.714	7.104	0.372	66.016	5.264	0.507
850	1348.5	0.4675	66.537	7.095	0.372	65.725	5.257	0.508
851	1350.6	0.4683	66.361	7.086	0.373	65.436	5.251	0.509
852	1352.7	0.4692	66.184	7.077	0.373	65.148	5.244	0.510
853	1354.8	0.4700	66.006	7.068	0.373	64.859	5.237	0.510
854	1356.9	0.4709	65.825	7.059	0.374	64.569	5.230	0.511
855	1359.0	0.4717	65.643	7.049	0.374	64.277	5.224	0.512

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
856	1361.1	0.4726	65.460	7.040	0.375	63.984	5.216	0.513
857	1363.2	0.4735	65.277	7.031	0.375	63.691	5.209	0.515
858	1365.3	0.4743	65.093	7.022	0.375	63.398	5.202	0.516
859	1367.5	0.4752	64.910	7.013	0.376	63.107	5.195	0.517
860	1369.6	0.4761	64.729	7.004	0.376	62.818	5.187	0.518
861	1371.8	0.4770	64.551	6.995	0.377	62.534	5.180	0.519
862	1374.0	0.4779	64.378	6.986	0.377	62.257	5.172	0.520
863	1376.1	0.4788	64.212	6.978	0.377	61.988	5.164	0.521
864	1378.3	0.4796	64.053	6.969	0.378	61.730	5.156	0.522
865	1380.5	0.4806	63.904	6.960	0.378	61.484	5.148	0.523
866	1382.7	0.4815	63.764	6.952	0.379	61.252	5.140	0.525
867	1384.9	0.4824	63.634	6.943	0.379	61.036	5.132	0.526
868	1387.1	0.4833	63.513	6.935	0.380	60.841	5.124	0.527
869	1389.3	0.4842	63.401	6.926	0.380	60.659	5.116	0.528
870	1391.6	0.4851	63.295	6.917	0.380	60.488	5.107	0.529
871	1393.8	0.4860	63.194	6.908	0.381	60.324	5.099	0.531
872	1396.1	0.4870	63.094	6.899	0.381	60.163	5.091	0.532
873	1398.3	0.4879	62.994	6.890	0.382	60.002	5.083	0.533
874	1400.6	0.4889	62.889	6.881	0.382	59.836	5.074	0.535
875	1402.9	0.4898	62.777	6.871	0.383	59.660	5.066	0.536
876	1405.1	0.4907	62.654	6.861	0.383	59.469	5.058	0.537
877	1407.4	0.4917	62.517	6.851	0.384	59.258	5.049	0.539
878	1409.7	0.4927	62.364	6.841	0.384	59.023	5.041	0.540
879	1412.0	0.4936	62.192	6.831	0.385	58.760	5.032	0.541
880	1414.4	0.4946	61.999	6.821	0.385	58.467	5.023	0.543
881	1416.7	0.4956	61.784	6.811	0.386	58.142	5.014	0.544
882	1419.0	0.4965	61.547	6.802	0.386	57.784	5.005	0.546
883	1421.4	0.4975	61.291	6.792	0.387	57.398	4.996	0.547
884	1423.7	0.4985	61.017	6.783	0.387	56.985	4.987	0.549
885	1426.1	0.4995	60.730	6.773	0.388	56.552	4.977	0.550
886	1428.4	0.5005	60.433	6.764	0.388	56.104	4.968	0.551
887	1430.8	0.5015	60.132	6.755	0.388	55.660	4.958	0.553
888	1433.2	0.5025	59.831	6.745	0.389	55.217	4.948	0.554
889	1435.6	0.5035	59.535	6.736	0.389	54.779	4.939	0.556
890	1437.9	0.5045	59.248	6.727	0.390	54.351	4.929	0.557
891	1440.3	0.5055	58.974	6.717	0.390	53.939	4.919	0.559
892	1442.7	0.5065	58.714	6.707	0.391	53.547	4.910	0.560
893	1445.2	0.5076	58.470	6.698	0.391	53.176	4.900	0.562
894	1447.6	0.5086	58.243	6.688	0.392	52.827	4.890	0.563
895	1450.0	0.5096	58.032	6.678	0.392	52.501	4.880	0.565
896	1452.4	0.5107	57.835	6.669	0.393	52.195	4.870	0.566
897	1454.9	0.5117	57.650	6.659	0.393	51.908	4.859	0.568
898	1457.3	0.5128	57.475	6.650	0.394	51.636	4.849	0.569
899	1459.8	0.5138	57.307	6.641	0.394	51.375	4.838	0.571
900	1462.2	0.5149	57.144	6.631	0.395	51.124	4.828	0.572

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
901	1464.7	0.5160	56.984	6.622	0.395	50.879	4.817	0.574
902	1467.2	0.5170	56.826	6.613	0.396	50.638	4.806	0.575
903	1469.7	0.5181	56.669	6.604	0.396	50.400	4.796	0.577
904	1472.2	0.5192	56.512	6.595	0.397	50.164	4.785	0.578
905	1474.7	0.5203	56.356	6.586	0.397	49.931	4.774	0.580
906	1477.2	0.5214	56.201	6.576	0.398	49.699	4.763	0.581
907	1479.7	0.5225	56.049	6.567	0.398	49.471	4.752	0.583
908	1482.3	0.5236	55.898	6.557	0.399	49.246	4.741	0.585
909	1484.8	0.5247	55.751	6.548	0.400	49.026	4.730	0.586
910	1487.4	0.5258	55.607	6.538	0.400	48.813	4.719	0.588
911	1489.9	0.5269	55.464	6.529	0.401	48.604	4.708	0.589
912	1492.5	0.5280	55.323	6.519	0.401	48.399	4.696	0.591
913	1495.1	0.5291	55.183	6.510	0.402	48.195	4.685	0.592
914	1497.7	0.5303	55.042	6.500	0.402	47.991	4.673	0.594
915	1500.3	0.5314	54.899	6.491	0.403	47.786	4.662	0.596
916	1502.9	0.5325	54.754	6.482	0.403	47.577	4.650	0.597
917	1505.5	0.5337	54.604	6.472	0.404	47.362	4.638	0.599
918	1508.1	0.5348	54.448	6.463	0.404	47.141	4.626	0.600
919	1510.8	0.5360	54.287	6.454	0.405	46.912	4.614	0.602
920	1513.4	0.5371	54.121	6.445	0.405	46.676	4.602	0.604
921	1516.1	0.5383	53.950	6.436	0.406	46.434	4.590	0.605
922	1518.7	0.5395	53.775	6.426	0.406	46.187	4.578	0.607
923	1521.4	0.5406	53.598	6.417	0.407	45.937	4.566	0.608
924	1524.1	0.5418	53.419	6.408	0.407	45.685	4.554	0.610
925	1526.7	0.5430	53.241	6.398	0.408	45.433	4.542	0.612
926	1529.4	0.5442	53.064	6.389	0.409	45.183	4.529	0.613
927	1532.1	0.5454	52.889	6.379	0.409	44.935	4.517	0.615
928	1534.8	0.5466	52.716	6.370	0.410	44.691	4.504	0.617
929	1537.5	0.5478	52.545	6.360	0.410	44.451	4.492	0.618
930	1540.3	0.5490	52.377	6.351	0.411	44.214	4.479	0.620
931	1543.0	0.5502	52.211	6.342	0.411	43.979	4.467	0.622
932	1545.7	0.5515	52.045	6.333	0.412	43.747	4.454	0.623
933	1548.5	0.5527	51.880	6.323	0.413	43.515	4.441	0.625
934	1551.3	0.5539	51.714	6.314	0.413	43.284	4.428	0.627
935	1554.0	0.5551	51.548	6.305	0.414	43.052	4.415	0.628
936	1556.8	0.5564	51.381	6.296	0.414	42.819	4.402	0.630
937	1559.6	0.5576	51.212	6.286	0.415	42.586	4.389	0.632
938	1562.4	0.5589	51.043	6.277	0.416	42.352	4.376	0.633
939	1565.2	0.5602	50.874	6.268	0.416	42.118	4.363	0.635
940	1568.0	0.5614	50.705	6.258	0.417	41.885	4.349	0.637
941	1570.8	0.5627	50.536	6.249	0.417	41.653	4.336	0.638
942	1573.7	0.5640	50.369	6.240	0.418	41.423	4.323	0.640
943	1576.5	0.5653	50.204	6.230	0.419	41.196	4.309	0.642
944	1579.4	0.5665	50.041	6.221	0.419	40.971	4.296	0.643
945	1582.2	0.5678	49.879	6.212	0.420	40.750	4.282	0.645

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
946	1585.1	0.5691	49.719	6.203	0.420	40.531	4.269	0.647
947	1588.0	0.5704	49.560	6.193	0.421	40.314	4.255	0.649
948	1590.8	0.5718	49.402	6.184	0.422	40.098	4.241	0.650
949	1593.7	0.5731	49.244	6.175	0.422	39.883	4.228	0.652
950	1596.6	0.5744	49.087	6.166	0.423	39.669	4.214	0.654
951	1599.5	0.5757	48.928	6.156	0.424	39.455	4.200	0.655
952	1602.4	0.5770	48.770	6.147	0.424	39.241	4.186	0.657
953	1605.4	0.5784	48.610	6.138	0.425	39.026	4.173	0.659
954	1608.3	0.5797	48.451	6.128	0.425	38.811	4.159	0.660
955	1611.2	0.5810	48.290	6.119	0.426	38.596	4.145	0.662
956	1614.1	0.5824	48.130	6.110	0.427	38.382	4.131	0.664
957	1617.0	0.5837	47.971	6.100	0.427	38.168	4.117	0.666
958	1620.0	0.5851	47.812	6.091	0.428	37.956	4.103	0.667
959	1622.9	0.5864	47.655	6.082	0.429	37.746	4.089	0.669
960	1625.9	0.5878	47.498	6.073	0.429	37.538	4.075	0.671
961	1628.8	0.5892	47.343	6.063	0.430	37.331	4.061	0.672
962	1632.4	0.5908	47.145	6.052	0.431	37.092	4.044	0.674
963	1637.9	0.5934	46.852	6.035	0.432	36.714	4.018	0.678
964	1643.5	0.5960	46.570	6.018	0.433	36.334	3.991	0.681
965	1649.2	0.5986	46.284	6.001	0.434	35.957	3.965	0.684
966	1654.8	0.6012	45.998	5.984	0.435	35.582	3.938	0.687
967	1660.4	0.6039	45.712	5.967	0.437	35.209	3.911	0.690
968	1666.1	0.6065	45.428	5.951	0.438	34.840	3.884	0.693
969	1671.8	0.6092	45.147	5.934	0.439	34.476	3.857	0.696
970	1677.5	0.6119	44.871	5.917	0.440	34.118	3.830	0.699
971	1683.2	0.6146	44.597	5.901	0.442	33.765	3.803	0.702
972	1689.0	0.6173	44.324	5.884	0.443	33.415	3.776	0.705
973	1694.8	0.6200	44.052	5.868	0.444	33.067	3.749	0.708
974	1700.5	0.6228	43.780	5.851	0.446	32.721	3.722	0.711
975	1706.4	0.6255	43.508	5.835	0.447	32.376	3.695	0.714
976	1712.2	0.6283	43.237	5.819	0.449	32.034	3.668	0.717
977	1718.0	0.6311	42.969	5.803	0.450	31.696	3.641	0.720
978	1723.9	0.6339	42.702	5.787	0.452	31.361	3.614	0.722
979	1729.8	0.6367	42.438	5.771	0.453	31.030	3.587	0.725
980	1735.6	0.6396	42.176	5.755	0.454	30.704	3.560	0.728
981	1741.6	0.6424	41.916	5.739	0.456	30.380	3.533	0.730
982	1747.5	0.6453	41.656	5.723	0.457	30.059	3.506	0.733
983	1753.5	0.6482	41.398	5.707	0.459	29.740	3.480	0.736
984	1759.4	0.6511	41.141	5.691	0.460	29.425	3.453	0.738
985	1765.4	0.6540	40.886	5.676	0.462	29.113	3.426	0.741
986	1771.4	0.6569	40.633	5.660	0.463	28.805	3.399	0.743
987	1777.5	0.6599	40.384	5.645	0.465	28.501	3.373	0.745
988	1783.5	0.6628	40.136	5.629	0.466	28.201	3.346	0.748
989	1789.6	0.6658	39.890	5.614	0.467	27.904	3.320	0.750
990	1795.7	0.6688	39.645	5.599	0.469	27.610	3.294	0.752

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
991	1801.8	0.6718	39.401	5.583	0.470	27.318	3.267	0.755
992	1807.9	0.6748	39.158	5.568	0.472	27.029	3.241	0.757
993	1814.1	0.6779	38.916	5.553	0.473	26.741	3.215	0.759
994	1820.3	0.6810	38.676	5.538	0.475	26.457	3.189	0.761
995	1826.5	0.6840	38.437	5.523	0.476	26.175	3.163	0.764
996	1832.7	0.6871	38.200	5.508	0.477	25.896	3.137	0.766
997	1838.9	0.6902	37.964	5.493	0.479	25.620	3.111	0.768
998	1845.2	0.6934	37.729	5.479	0.480	25.347	3.086	0.770
999	1851.5	0.6965	37.496	5.464	0.482	25.076	3.060	0.773
1000	1857.8	0.6997	37.264	5.449	0.483	24.807	3.035	0.775
1001	1864.1	0.7029	37.032	5.435	0.484	24.541	3.010	0.778
1002	1870.5	0.7061	36.802	5.420	0.486	24.277	2.985	0.780
1003	1876.9	0.7093	36.574	5.406	0.487	24.015	2.960	0.783
1004	1883.3	0.7126	36.347	5.391	0.488	23.757	2.935	0.785
1005	1889.7	0.7158	36.121	5.377	0.490	23.501	2.910	0.788
1006	1896.1	0.7191	35.897	5.362	0.491	23.247	2.886	0.791
1007	1902.6	0.7224	35.674	5.348	0.492	22.996	2.861	0.794
1008	1909.1	0.7257	35.452	5.334	0.494	22.747	2.837	0.797
1009	1915.6	0.7291	35.231	5.319	0.495	22.500	2.813	0.801
1010	1922.2	0.7324	35.011	5.305	0.496	22.256	2.789	0.804
1011	1928.8	0.7358	34.792	5.291	0.498	22.013	2.765	0.808
1012	1935.4	0.7392	34.575	5.277	0.499	21.773	2.741	0.812
1013	1942.0	0.7426	34.359	5.263	0.500	21.536	2.718	0.816
1014	1948.6	0.7461	34.144	5.249	0.502	21.301	2.694	0.820
1015	1955.3	0.7495	33.930	5.235	0.503	21.068	2.671	0.824
1016	1962.0	0.7530	33.717	5.221	0.504	20.837	2.648	0.828
1017	1968.7	0.7565	33.505	5.207	0.506	20.608	2.625	0.831
1018	1975.5	0.7601	33.295	5.193	0.507	20.381	2.602	0.834
1019	1982.3	0.7636	33.085	5.179	0.508	20.156	2.579	0.837
1020	1989.1	0.7672	32.876	5.165	0.510	19.933	2.557	0.839
1021	1995.9	0.7708	32.669	5.151	0.511	19.713	2.534	0.842
1022	2002.8	0.7744	32.463	5.138	0.512	19.494	2.512	0.843
1023	2009.7	0.7780	32.257	5.124	0.513	19.278	2.490	0.845
1024	2016.6	0.7817	32.053	5.110	0.515	19.063	2.468	0.846
1025	2023.6	0.7854	31.850	5.096	0.516	18.850	2.446	0.847
1026	2030.6	0.7891	31.648	5.083	0.517	18.640	2.425	0.848
1027	2037.6	0.7928	31.446	5.069	0.519	18.431	2.403	0.849
1028	2044.6	0.7966	31.246	5.055	0.520	18.224	2.382	0.849
1029	2051.7	0.8003	31.047	5.042	0.521	18.019	2.361	0.850
1030	2058.8	0.8041	30.848	5.028	0.523	17.816	2.340	0.850
1031	2066.0	0.8080	30.651	5.014	0.524	17.614	2.319	0.851
1032	2073.2	0.8118	30.454	5.001	0.525	17.415	2.298	0.851
1033	2080.4	0.8157	30.258	4.987	0.527	17.217	2.277	0.852
1034	2087.6	0.8196	30.064	4.974	0.528	17.021	2.257	0.852
1035	2094.9	0.8236	29.870	4.960	0.529	16.827	2.237	0.853

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1036	2102.2	0.8275	29.677	4.947	0.531	16.634	2.217	0.855
1037	2109.6	0.8315	29.485	4.933	0.532	16.444	2.197	0.856
1038	2117.0	0.8355	29.294	4.920	0.533	16.255	2.177	0.858
1039	2124.4	0.8396	29.104	4.906	0.535	16.067	2.157	0.861
1040	2131.9	0.8437	28.915	4.893	0.536	15.882	2.138	0.865
1041	2139.4	0.8478	28.727	4.879	0.537	15.699	2.118	0.869
1042	2146.9	0.8519	28.541	4.866	0.539	15.518	2.099	0.872
1043	2154.4	0.8560	28.356	4.852	0.540	15.339	2.080	0.875
1044	2161.9	0.8602	28.172	4.839	0.541	15.162	2.061	0.878
1045	2169.5	0.8643	27.990	4.826	0.543	14.987	2.043	0.879
1046	2177.1	0.8685	27.808	4.813	0.544	14.814	2.024	0.880
1047	2184.7	0.8728	27.628	4.799	0.545	14.643	2.006	0.880
1048	2192.4	0.8770	27.449	4.786	0.547	14.474	1.988	0.880
1049	2200.0	0.8813	27.271	4.773	0.548	14.306	1.970	0.880
1050	2207.7	0.8855	27.094	4.760	0.550	14.141	1.952	0.880
1051	2215.4	0.8898	26.919	4.747	0.551	13.977	1.935	0.879
1052	2223.1	0.8942	26.745	4.734	0.552	13.815	1.918	0.879
1053	2230.8	0.8985	26.572	4.721	0.554	13.656	1.901	0.878
1054	2238.6	0.9028	26.401	4.708	0.555	13.498	1.884	0.878
1055	2246.3	0.9072	26.230	4.695	0.557	13.342	1.867	0.877
1056	2254.1	0.9116	26.062	4.682	0.558	13.188	1.850	0.878
1057	2261.9	0.9160	25.894	4.670	0.559	13.036	1.834	0.878
1058	2269.7	0.9204	25.728	4.657	0.561	12.886	1.818	0.880
1059	2271.3	0.9213	25.695	4.654	0.561	12.856	1.815	0.880
1060	2290.0	0.9319	25.302	4.624	0.565	12.504	1.777	0.887
1061	2297.7	0.9363	25.143	4.612	0.566	12.364	1.762	0.891
1062	2305.4	0.9407	24.986	4.600	0.567	12.224	1.747	0.893
1063	2313.1	0.9451	24.830	4.587	0.569	12.087	1.732	0.895
1064	2320.8	0.9496	24.675	4.575	0.570	11.951	1.717	0.895
1065	2328.6	0.9540	24.521	4.563	0.572	11.816	1.702	0.895
1066	2336.4	0.9585	24.368	4.551	0.573	11.683	1.688	0.895
1067	2344.2	0.9630	24.216	4.539	0.574	11.552	1.673	0.894
1068	2352.1	0.9675	24.065	4.527	0.576	11.422	1.659	0.894
1069	2359.9	0.9721	23.915	4.515	0.577	11.293	1.645	0.893
1070	2367.8	0.9766	23.766	4.503	0.579	11.166	1.631	0.891
1071	2375.7	0.9812	23.618	4.491	0.580	11.040	1.618	0.890
1072	2383.6	0.9858	23.471	4.479	0.581	10.916	1.604	0.889
1073	2391.5	0.9904	23.325	4.467	0.583	10.793	1.591	0.889
1074	2399.5	0.9951	23.180	4.455	0.584	10.672	1.577	0.889
1075	2407.4	0.9998	23.036	4.443	0.586	10.552	1.564	0.890
1076	2415.4	1.0044	22.893	4.431	0.587	10.433	1.551	0.891
1077	2423.5	1.0091	22.751	4.419	0.589	10.316	1.538	0.894
1078	2431.5	1.0139	22.611	4.408	0.590	10.200	1.525	0.898
1079	2439.6	1.0186	22.470	4.396	0.592	10.085	1.512	0.901
1080	2447.6	1.0234	22.331	4.384	0.593	9.972	1.500	0.904

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1081	2455.7	1.0282	22.193	4.373	0.595	9.860	1.487	0.905
1082	2463.9	1.0330	22.056	4.361	0.596	9.749	1.475	0.906
1083	2472.0	1.0378	21.919	4.349	0.597	9.639	1.463	0.906
1084	2480.2	1.0427	21.784	4.338	0.599	9.531	1.451	0.906
1085	2488.4	1.0475	21.649	4.326	0.600	9.423	1.439	0.905
1086	2496.6	1.0524	21.515	4.314	0.602	9.317	1.427	0.905
1087	2504.8	1.0574	21.382	4.303	0.603	9.212	1.415	0.904
1088	2513.1	1.0623	21.250	4.291	0.605	9.109	1.403	0.903
1089	2521.4	1.0673	21.119	4.280	0.606	9.006	1.392	0.902
1090	2529.7	1.0723	20.989	4.269	0.608	8.905	1.380	0.901
1091	2538.0	1.0773	20.860	4.257	0.609	8.805	1.369	0.901
1092	2546.4	1.0823	20.732	4.246	0.611	8.706	1.358	0.901
1093	2554.8	1.0874	20.604	4.234	0.612	8.608	1.346	0.901
1094	2563.2	1.0924	20.478	4.223	0.614	8.512	1.335	0.903
1095	2571.6	1.0976	20.353	4.212	0.615	8.417	1.324	0.905
1096	2580.1	1.1027	20.229	4.200	0.617	8.323	1.313	0.908
1097	2588.5	1.1078	20.106	4.189	0.618	8.230	1.303	0.912
1098	2597.0	1.1130	19.984	4.178	0.620	8.139	1.292	0.915
1099	2605.6	1.1182	19.864	4.167	0.621	8.049	1.281	0.917
1100	2614.1	1.1234	19.744	4.155	0.622	7.960	1.271	0.919
1101	2622.7	1.1287	19.625	4.144	0.624	7.872	1.261	0.919
1102	2631.3	1.1339	19.507	4.133	0.625	7.785	1.250	0.920
1103	2640.0	1.1392	19.390	4.122	0.627	7.699	1.240	0.919
1104	2648.6	1.1446	19.274	4.111	0.629	7.615	1.230	0.919
1105	2657.3	1.1499	19.159	4.100	0.630	7.531	1.220	0.918
1106	2666.0	1.1553	19.045	4.089	0.632	7.448	1.210	0.917
1107	2674.8	1.1607	18.931	4.078	0.633	7.366	1.200	0.917
1108	2683.5	1.1661	18.818	4.067	0.635	7.285	1.190	0.916
1109	2692.3	1.1715	18.706	4.056	0.636	7.205	1.180	0.916
1110	2701.1	1.1770	18.594	4.045	0.638	7.126	1.171	0.915
1111	2710.0	1.1825	18.483	4.034	0.639	7.048	1.161	0.915
1112	2718.9	1.1880	18.373	4.023	0.641	6.970	1.152	0.916
1113	2727.8	1.1936	18.263	4.012	0.642	6.893	1.142	0.918
1114	2736.7	1.1991	18.154	4.001	0.644	6.817	1.133	0.920
1115	2745.7	1.2047	18.045	3.990	0.645	6.742	1.124	0.923
1116	2754.7	1.2104	17.937	3.980	0.647	6.668	1.114	0.927
1117	2763.7	1.2160	17.830	3.969	0.648	6.594	1.105	0.930
1118	2772.7	1.2217	17.723	3.958	0.650	6.521	1.096	0.933
1119	2781.8	1.2274	17.617	3.947	0.651	6.449	1.087	0.935
1120	2790.9	1.2332	17.512	3.936	0.653	6.378	1.078	0.936
1121	2800.1	1.2389	17.407	3.926	0.654	6.307	1.070	0.937
1122	2809.2	1.2447	17.303	3.915	0.656	6.237	1.061	0.937
1123	2818.4	1.2505	17.200	3.904	0.657	6.168	1.052	0.936
1124	2827.7	1.2564	17.097	3.894	0.659	6.100	1.044	0.936
1125	2836.9	1.2623	16.995	3.883	0.660	6.033	1.035	0.935

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1126	2846.2	1.2682	16.894	3.872	0.662	5.966	1.027	0.935
1127	2855.5	1.2741	16.794	3.862	0.663	5.901	1.018	0.934
1128	2864.9	1.2801	16.694	3.851	0.665	5.836	1.010	0.933
1129	2874.3	1.2860	16.595	3.841	0.667	5.771	1.002	0.933
1130	2883.7	1.2921	16.497	3.830	0.668	5.708	0.993	0.933
1131	2893.1	1.2981	16.399	3.820	0.670	5.645	0.985	0.934
1132	2902.6	1.3042	16.303	3.809	0.671	5.583	0.977	0.935
1133	2912.1	1.3103	16.207	3.799	0.673	5.522	0.969	0.937
1134	2921.6	1.3164	16.111	3.788	0.674	5.462	0.961	0.939
1135	2931.1	1.3225	16.017	3.778	0.676	5.402	0.953	0.943
1136	2940.7	1.3287	15.923	3.767	0.678	5.343	0.946	0.947
1137	2950.3	1.3349	15.830	3.757	0.679	5.285	0.938	0.950
1138	2960.0	1.3411	15.737	3.747	0.681	5.228	0.930	0.953
1139	2969.6	1.3474	15.646	3.736	0.682	5.171	0.923	0.955
1140	2979.3	1.3537	15.554	3.726	0.684	5.115	0.915	0.956
1141	2989.0	1.3600	15.464	3.716	0.686	5.059	0.908	0.957
1142	2998.8	1.3663	15.374	3.705	0.687	5.005	0.900	0.957
1143	3008.5	1.3727	15.285	3.695	0.689	4.950	0.893	0.957
1144	3018.3	1.3791	15.196	3.685	0.690	4.897	0.886	0.957
1145	3028.2	1.3855	15.108	3.675	0.692	4.844	0.878	0.956
1146	3038.0	1.3919	15.021	3.665	0.694	4.792	0.871	0.956
1147	3047.9	1.3984	14.934	3.654	0.695	4.740	0.864	0.955
1148	3057.8	1.4049	14.848	3.644	0.697	4.689	0.857	0.955
1149	3067.8	1.4114	14.762	3.634	0.698	4.638	0.850	0.954
1150	3077.7	1.4180	14.677	3.624	0.700	4.588	0.843	0.954
1151	3087.7	1.4246	14.593	3.614	0.701	4.539	0.836	0.955
1152	3097.8	1.4312	14.509	3.604	0.703	4.490	0.830	0.956
1153	3107.8	1.4378	14.425	3.594	0.705	4.441	0.823	0.958
1154	3117.9	1.4445	14.342	3.584	0.706	4.394	0.816	0.960
1155	3128.1	1.4512	14.260	3.574	0.708	4.346	0.809	0.963
1156	3138.2	1.4579	14.178	3.564	0.709	4.300	0.803	0.967
1157	3148.4	1.4646	14.096	3.554	0.711	4.253	0.796	0.971
1158	3158.6	1.4714	14.016	3.544	0.713	4.208	0.790	0.974
1159	3168.8	1.4782	13.935	3.534	0.714	4.162	0.783	0.977
1160	3179.1	1.4851	13.856	3.525	0.716	4.118	0.777	0.979
1161	3189.4	1.4919	13.776	3.515	0.717	4.073	0.771	0.980
1162	3199.7	1.4988	13.698	3.505	0.719	4.030	0.764	0.981
1163	3210.0	1.5057	13.619	3.495	0.721	3.986	0.758	0.981
1164	3220.4	1.5127	13.541	3.485	0.722	3.944	0.752	0.981
1165	3230.8	1.5197	13.464	3.476	0.724	3.901	0.746	0.981
1166	3241.3	1.5267	13.387	3.466	0.725	3.860	0.740	0.980
1167	3251.8	1.5337	13.311	3.456	0.727	3.818	0.734	0.980
1168	3262.3	1.5408	13.235	3.447	0.729	3.777	0.728	0.979
1169	3272.8	1.5479	13.160	3.437	0.730	3.737	0.722	0.979
1170	3283.4	1.5550	13.085	3.427	0.732	3.697	0.716	0.979

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1171	3293.9	1.5621	13.011	3.418	0.733	3.657	0.710	0.979
1172	3304.6	1.5693	12.937	3.408	0.735	3.618	0.705	0.980
1173	3315.2	1.5765	12.863	3.398	0.737	3.579	0.699	0.981
1174	3325.9	1.5838	12.790	3.389	0.738	3.541	0.693	0.982
1175	3336.6	1.5911	12.718	3.379	0.740	3.503	0.688	0.985
1176	3347.4	1.5984	12.646	3.370	0.742	3.466	0.682	0.988
1177	3358.2	1.6057	12.574	3.360	0.743	3.429	0.676	0.991
1178	3369.0	1.6131	12.503	3.351	0.745	3.392	0.671	0.995
1179	3379.8	1.6205	12.432	3.341	0.747	3.356	0.665	0.999
1180	3390.7	1.6279	12.362	3.332	0.748	3.320	0.660	1.002
1181	3401.6	1.6353	12.292	3.323	0.750	3.285	0.655	1.004
1182	3412.5	1.6428	12.223	3.313	0.752	3.250	0.649	1.006
1183	3423.5	1.6503	12.154	3.304	0.753	3.215	0.644	1.007
1184	3434.5	1.6579	12.085	3.295	0.755	3.181	0.639	1.008
1185	3445.5	1.6654	12.017	3.285	0.757	3.147	0.634	1.008
1186	3456.6	1.6730	11.950	3.276	0.758	3.114	0.629	1.008
1187	3467.7	1.6807	11.882	3.267	0.760	3.081	0.624	1.007
1188	3478.8	1.6883	11.816	3.258	0.762	3.048	0.618	1.007
1189	3489.9	1.6960	11.749	3.249	0.764	3.015	0.613	1.006
1190	3501.1	1.7037	11.683	3.239	0.766	2.983	0.608	1.006
1191	3512.3	1.7115	11.618	3.230	0.767	2.952	0.604	1.006
1192	3523.6	1.7193	11.553	3.221	0.769	2.920	0.599	1.006
1193	3534.9	1.7271	11.488	3.212	0.771	2.889	0.594	1.006
1194	3546.2	1.7349	11.424	3.203	0.773	2.859	0.589	1.007
1195	3557.5	1.7428	11.360	3.194	0.775	2.829	0.584	1.008
1196	3568.9	1.7507	11.297	3.185	0.776	2.799	0.579	1.010
1197	3580.3	1.7587	11.234	3.176	0.778	2.769	0.575	1.013
1198	3591.7	1.7666	11.171	3.168	0.780	2.740	0.570	1.016
1199	3603.1	1.7746	11.109	3.159	0.782	2.711	0.566	1.020
1200	3614.6	1.7826	11.048	3.150	0.784	2.683	0.561	1.024
1201	3626.1	1.7906	10.987	3.141	0.785	2.654	0.556	1.027
1202	3637.6	1.7987	10.926	3.132	0.787	2.626	0.552	1.030
1203	3649.2	1.8068	10.865	3.124	0.789	2.599	0.548	1.032
1204	3660.7	1.8149	10.806	3.115	0.791	2.572	0.543	1.034
1205	3672.3	1.8230	10.746	3.106	0.792	2.545	0.539	1.035
1206	3683.9	1.8312	10.687	3.098	0.794	2.518	0.534	1.036
1207	3695.6	1.8394	10.628	3.089	0.796	2.492	0.530	1.036
1208	3707.2	1.8476	10.570	3.081	0.798	2.466	0.526	1.036
1209	3718.9	1.8558	10.512	3.072	0.799	2.440	0.522	1.035
1210	3730.6	1.8641	10.455	3.064	0.801	2.415	0.517	1.035
1211	3738.6	1.8697	10.415	3.058	0.802	2.398	0.515	1.035
1212	3750.3	1.8780	10.358	3.050	0.804	2.373	0.511	1.034
1213	3762.0	1.8863	10.302	3.041	0.806	2.348	0.507	1.034
1214	3773.8	1.8946	10.246	3.033	0.807	2.324	0.502	1.034
1215	3785.6	1.9030	10.191	3.025	0.809	2.300	0.498	1.034

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1216	3797.4	1.9114	10.135	3.016	0.811	2.276	0.495	1.034
1217	3809.3	1.9198	10.081	3.008	0.812	2.253	0.491	1.035
1218	3821.1	1.9283	10.026	3.000	0.814	2.230	0.487	1.037
1219	3833.1	1.9368	9.972	2.992	0.816	2.207	0.483	1.039
1220	3845.0	1.9453	9.918	2.983	0.817	2.184	0.479	1.042
1221	3857.0	1.9538	9.865	2.975	0.819	2.162	0.475	1.046
1222	3869.0	1.9624	9.812	2.967	0.821	2.139	0.471	1.050
1223	3881.1	1.9710	9.759	2.959	0.822	2.118	0.468	1.053
1224	3893.2	1.9797	9.707	2.951	0.824	2.096	0.464	1.057
1225	3905.3	1.9884	9.654	2.943	0.825	2.074	0.460	1.059
1226	3917.4	1.9971	9.603	2.935	0.827	2.053	0.457	1.061
1227	3929.6	2.0058	9.551	2.927	0.829	2.032	0.453	1.062
1228	3941.8	2.0146	9.500	2.918	0.830	2.011	0.449	1.063
1229	3954.1	2.0234	9.449	2.910	0.832	1.991	0.446	1.064
1230	3966.4	2.0323	9.399	2.902	0.834	1.970	0.442	1.064
1231	3978.7	2.0411	9.348	2.894	0.835	1.950	0.439	1.063
1232	3991.1	2.0501	9.298	2.886	0.837	1.930	0.435	1.063
1233	4003.5	2.0590	9.249	2.878	0.838	1.911	0.432	1.062
1234	4015.9	2.0680	9.199	2.870	0.840	1.891	0.429	1.062
1235	4028.4	2.0770	9.150	2.863	0.841	1.872	0.425	1.061
1236	4040.9	2.0861	9.101	2.855	0.843	1.853	0.422	1.061
1237	4053.4	2.0951	9.053	2.847	0.845	1.834	0.419	1.061
1238	4066.0	2.1043	9.005	2.839	0.846	1.815	0.415	1.062
1239	4078.6	2.1134	8.957	2.831	0.848	1.797	0.412	1.063
1240	4091.3	2.1226	8.909	2.823	0.849	1.778	0.409	1.064
1241	4104.0	2.1318	8.862	2.815	0.851	1.760	0.405	1.067
1242	4116.7	2.1411	8.815	2.807	0.852	1.742	0.402	1.070
1243	4129.5	2.1504	8.768	2.800	0.854	1.725	0.399	1.073
1244	4142.3	2.1597	8.721	2.792	0.855	1.707	0.396	1.077
1245	4155.1	2.1691	8.675	2.784	0.857	1.690	0.393	1.080
1246	4168.0	2.1785	8.629	2.776	0.859	1.672	0.390	1.084
1247	4180.9	2.1880	8.583	2.768	0.860	1.655	0.387	1.086
1248	4193.9	2.1975	8.538	2.761	0.862	1.639	0.384	1.089
1249	4206.9	2.2070	8.493	2.753	0.863	1.622	0.381	1.090
1250	4219.9	2.2165	8.448	2.745	0.865	1.606	0.378	1.091
1251	4233.0	2.2261	8.403	2.738	0.866	1.589	0.375	1.091
1252	4246.1	2.2357	8.359	2.730	0.868	1.573	0.372	1.091
1253	4259.2	2.2454	8.315	2.722	0.870	1.557	0.369	1.091
1254	4272.4	2.2551	8.271	2.714	0.871	1.541	0.366	1.090
1255	4285.7	2.2649	8.227	2.707	0.873	1.526	0.363	1.090
1256	4298.9	2.2746	8.184	2.699	0.874	1.510	0.360	1.089
1257	4312.2	2.2845	8.141	2.692	0.876	1.495	0.357	1.089
1258	4325.6	2.2943	8.098	2.684	0.877	1.480	0.354	1.088
1259	4339.0	2.3042	8.055	2.676	0.879	1.465	0.352	1.088
1260	4352.4	2.3141	8.013	2.669	0.881	1.450	0.349	1.089

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1261	4365.9	2.3241	7.971	2.661	0.882	1.435	0.346	1.090
1262	4379.4	2.3341	7.929	2.654	0.884	1.421	0.343	1.092
1263	4393.0	2.3442	7.887	2.646	0.885	1.407	0.341	1.094
1264	4406.5	2.3542	7.846	2.639	0.887	1.392	0.338	1.097
1265	4420.2	2.3644	7.805	2.631	0.888	1.378	0.335	1.100
1266	4433.8	2.3745	7.764	2.624	0.890	1.364	0.333	1.104
1267	4447.6	2.3847	7.723	2.616	0.891	1.351	0.330	1.108
1268	4461.3	2.3950	7.682	2.609	0.893	1.337	0.328	1.111
1269	4475.1	2.4052	7.642	2.602	0.894	1.324	0.325	1.113
1270	4488.9	2.4155	7.602	2.594	0.896	1.310	0.322	1.116
1271	4502.8	2.4259	7.563	2.587	0.897	1.297	0.320	1.118
1272	4516.7	2.4363	7.523	2.579	0.899	1.284	0.317	1.119
1273	4530.7	2.4467	7.484	2.572	0.901	1.271	0.315	1.119
1274	4544.7	2.4572	7.445	2.565	0.902	1.258	0.312	1.119
1275	4558.7	2.4677	7.406	2.557	0.904	1.246	0.310	1.119
1276	4572.8	2.4782	7.367	2.550	0.905	1.233	0.307	1.118
1277	4586.9	2.4888	7.329	2.543	0.907	1.221	0.305	1.117
1278	4601.1	2.4994	7.291	2.536	0.908	1.208	0.303	1.117
1279	4615.3	2.5101	7.253	2.528	0.910	1.196	0.300	1.116
1280	4629.5	2.5208	7.215	2.521	0.911	1.184	0.298	1.116
1281	4643.8	2.5315	7.178	2.514	0.913	1.172	0.296	1.116
1282	4658.1	2.5423	7.140	2.507	0.915	1.161	0.293	1.116
1283	4672.5	2.5531	7.103	2.500	0.916	1.149	0.291	1.117
1284	4686.9	2.5640	7.066	2.492	0.918	1.138	0.289	1.119
1285	4701.4	2.5749	7.030	2.485	0.919	1.126	0.286	1.121
1286	4715.9	2.5859	6.993	2.478	0.921	1.115	0.284	1.124
1287	4730.4	2.5968	6.957	2.471	0.922	1.104	0.282	1.128
1288	4745.0	2.6079	6.921	2.464	0.924	1.093	0.280	1.131
1289	4759.6	2.6189	6.885	2.457	0.925	1.082	0.278	1.135
1290	4774.3	2.6300	6.850	2.450	0.927	1.071	0.275	1.138
1291	4789.0	2.6412	6.814	2.443	0.928	1.060	0.273	1.141
1292	4803.8	2.6524	6.779	2.436	0.930	1.050	0.271	1.144
1293	4818.6	2.6636	6.744	2.429	0.931	1.039	0.269	1.145
1294	4833.4	2.6749	6.709	2.422	0.933	1.029	0.267	1.146
1295	4848.3	2.6862	6.675	2.415	0.934	1.019	0.265	1.147
1296	4863.2	2.6975	6.640	2.408	0.936	1.008	0.263	1.147
1297	4878.2	2.7089	6.606	2.401	0.937	0.998	0.261	1.146
1298	4893.2	2.7204	6.572	2.394	0.939	0.988	0.259	1.146
1299	4908.2	2.7318	6.538	2.387	0.940	0.979	0.257	1.145
1300	4923.4	2.7433	6.505	2.380	0.942	0.969	0.255	1.144
1301	4938.5	2.7549	6.471	2.373	0.943	0.959	0.253	1.143
1302	4953.7	2.7665	6.438	2.366	0.945	0.950	0.251	1.143
1303	4968.9	2.7781	6.405	2.359	0.946	0.940	0.249	1.143
1304	4984.2	2.7898	6.372	2.352	0.948	0.931	0.247	1.144
1305	4999.5	2.8016	6.340	2.345	0.949	0.922	0.245	1.145

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1306	5014.9	2.8133	6.307	2.339	0.951	0.913	0.243	1.146
1307	5030.3	2.8251	6.275	2.332	0.952	0.904	0.241	1.148
1308	5045.8	2.8370	6.243	2.325	0.954	0.895	0.239	1.151
1309	5061.3	2.8489	6.211	2.318	0.956	0.886	0.237	1.155
1310	5076.8	2.8609	6.180	2.312	0.957	0.877	0.235	1.159
1311	5092.4	2.8728	6.148	2.305	0.959	0.868	0.234	1.163
1312	5108.1	2.8849	6.117	2.298	0.960	0.860	0.232	1.166
1313	5123.8	2.8970	6.086	2.291	0.962	0.851	0.230	1.169
1314	5139.5	2.9091	6.055	2.285	0.963	0.843	0.228	1.171
1315	5155.3	2.9212	6.024	2.278	0.965	0.835	0.226	1.173
1316	5171.2	2.9334	5.993	2.271	0.966	0.826	0.225	1.174
1317	5187.0	2.9457	5.963	2.265	0.968	0.818	0.223	1.174
1318	5203.0	2.9580	5.933	2.258	0.969	0.810	0.221	1.174
1319	5218.9	2.9703	5.903	2.251	0.971	0.802	0.219	1.173
1320	5234.9	2.9827	5.873	2.245	0.972	0.794	0.218	1.173
1321	5251.0	2.9951	5.843	2.238	0.973	0.787	0.216	1.172
1322	5267.1	3.0076	5.814	2.232	0.975	0.779	0.214	1.171
1323	5283.3	3.0201	5.784	2.225	0.976	0.771	0.213	1.170
1324	5299.5	3.0327	5.755	2.219	0.978	0.764	0.211	1.170
1325	5315.7	3.0453	5.726	2.212	0.979	0.756	0.209	1.170
1326	5332.0	3.0579	5.698	2.206	0.981	0.749	0.208	1.170
1327	5348.4	3.0706	5.669	2.199	0.983	0.742	0.206	1.172
1328	5364.8	3.0834	5.640	2.193	0.984	0.734	0.205	1.173
1329	5381.2	3.0961	5.612	2.186	0.986	0.727	0.203	1.176
1330	5397.7	3.1090	5.584	2.180	0.987	0.720	0.201	1.179
1331	5414.3	3.1218	5.556	2.173	0.989	0.713	0.200	1.183
1332	5430.8	3.1348	5.528	2.167	0.990	0.706	0.198	1.187
1333	5447.5	3.1477	5.501	2.160	0.992	0.699	0.197	1.190
1334	5464.2	3.1607	5.473	2.154	0.993	0.693	0.195	1.193
1335	5480.9	3.1738	5.446	2.148	0.995	0.686	0.194	1.196
1336	5497.7	3.1869	5.419	2.141	0.996	0.679	0.192	1.198
1337	5514.5	3.2001	5.392	2.135	0.998	0.673	0.191	1.200
1338	5531.4	3.2133	5.365	2.129	0.999	0.666	0.189	1.200
1339	5548.3	3.2265	5.338	2.122	1.001	0.660	0.188	1.200
1340	5565.3	3.2398	5.312	2.116	1.002	0.653	0.186	1.200
1341	5582.4	3.2531	5.285	2.110	1.004	0.647	0.185	1.199
1342	5599.5	3.2665	5.259	2.104	1.005	0.641	0.183	1.198
1343	5616.6	3.2800	5.233	2.097	1.007	0.634	0.182	1.198
1344	5633.8	3.2935	5.207	2.091	1.008	0.628	0.181	1.197
1345	5651.0	3.3070	5.181	2.085	1.010	0.622	0.179	1.196
1346	5668.3	3.3206	5.155	2.079	1.011	0.616	0.178	1.196
1347	5685.7	3.3342	5.130	2.073	1.012	0.610	0.176	1.196
1348	5703.1	3.3479	5.105	2.067	1.014	0.604	0.175	1.197
1349	5720.5	3.3616	5.079	2.060	1.015	0.599	0.174	1.198
1350	5738.0	3.3754	5.054	2.054	1.017	0.593	0.172	1.200

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1351	5755.6	3.3892	5.029	2.048	1.018	0.587	0.171	1.203
1352	5773.2	3.4031	5.005	2.042	1.020	0.582	0.170	1.207
1353	5790.8	3.4170	4.980	2.036	1.021	0.576	0.168	1.210
1354	5808.5	3.4310	4.956	2.030	1.023	0.571	0.167	1.214
1355	5826.3	3.4450	4.931	2.024	1.024	0.565	0.166	1.218
1356	5844.1	3.4590	4.907	2.018	1.026	0.560	0.164	1.221
1357	5861.9	3.4731	4.883	2.012	1.027	0.554	0.163	1.223
1358	5879.8	3.4873	4.859	2.006	1.029	0.549	0.162	1.225
1359	5897.8	3.5015	4.835	2.000	1.030	0.544	0.161	1.225
1360	5915.8	3.5157	4.812	1.994	1.032	0.539	0.159	1.226
1361	5928.4	3.5257	4.795	1.990	1.033	0.535	0.159	1.226
1362	5946.5	3.5400	4.771	1.984	1.034	0.530	0.157	1.225
1363	5964.6	3.5544	4.748	1.978	1.036	0.525	0.156	1.224
1364	5982.7	3.5688	4.725	1.972	1.037	0.520	0.155	1.223
1365	6001.0	3.5833	4.702	1.966	1.039	0.515	0.154	1.222
1366	6019.3	3.5978	4.679	1.960	1.040	0.510	0.152	1.221
1367	6037.6	3.6124	4.657	1.955	1.041	0.505	0.151	1.221
1368	6056.0	3.6270	4.634	1.949	1.043	0.500	0.150	1.221
1369	6074.4	3.6417	4.612	1.943	1.044	0.496	0.149	1.221
1370	6092.9	3.6564	4.590	1.937	1.046	0.491	0.148	1.222
1371	6111.5	3.6711	4.567	1.931	1.047	0.486	0.147	1.224
1372	6130.1	3.6860	4.545	1.926	1.049	0.482	0.146	1.226
1373	6148.8	3.7008	4.523	1.920	1.050	0.477	0.144	1.230
1374	6167.5	3.7158	4.501	1.914	1.052	0.473	0.143	1.233
1375	6186.3	3.7308	4.480	1.908	1.053	0.468	0.142	1.237
1376	6205.1	3.7458	4.458	1.903	1.055	0.464	0.141	1.241
1377	6224.0	3.7609	4.437	1.897	1.056	0.460	0.140	1.244
1378	6243.0	3.7760	4.415	1.891	1.058	0.455	0.139	1.247
1379	6262.0	3.7912	4.394	1.886	1.059	0.451	0.138	1.249
1380	6281.1	3.8064	4.373	1.880	1.061	0.447	0.137	1.250
1381	6300.2	3.8217	4.352	1.874	1.062	0.443	0.136	1.251
1382	6319.4	3.8371	4.331	1.869	1.064	0.438	0.135	1.251
1383	6338.6	3.8525	4.310	1.863	1.065	0.434	0.134	1.251
1384	6357.9	3.8680	4.290	1.858	1.066	0.430	0.133	1.250
1385	6377.2	3.8835	4.269	1.852	1.068	0.426	0.132	1.249
1386	6396.6	3.8990	4.249	1.846	1.069	0.422	0.131	1.248
1387	6416.1	3.9146	4.228	1.841	1.071	0.418	0.130	1.247
1388	6435.6	3.9303	4.208	1.835	1.072	0.414	0.129	1.246
1389	6455.2	3.9460	4.188	1.830	1.074	0.410	0.128	1.246
1390	6474.8	3.9618	4.168	1.824	1.075	0.407	0.127	1.246
1391	6494.5	3.9776	4.148	1.819	1.077	0.403	0.126	1.247
1392	6514.3	3.9935	4.128	1.813	1.078	0.399	0.125	1.249
1393	6534.1	4.0094	4.108	1.808	1.080	0.395	0.124	1.251
1394	6554.0	4.0254	4.089	1.803	1.081	0.392	0.123	1.254
1395	6573.9	4.0415	4.069	1.797	1.083	0.388	0.122	1.257

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1396	6593.9	4.0576	4.050	1.792	1.084	0.384	0.121	1.261
1397	6613.9	4.0737	4.031	1.786	1.086	0.381	0.120	1.265
1398	6634.0	4.0899	4.012	1.781	1.087	0.377	0.119	1.269
1399	6654.2	4.1062	3.993	1.776	1.089	0.374	0.118	1.272
1400	6674.4	4.1225	3.974	1.770	1.090	0.370	0.117	1.274
1401	6694.7	4.1389	3.955	1.765	1.092	0.367	0.116	1.276
1402	6715.0	4.1553	3.936	1.760	1.093	0.363	0.115	1.277
1403	6735.4	4.1718	3.917	1.754	1.095	0.360	0.115	1.277
1404	6755.9	4.1884	3.899	1.749	1.096	0.357	0.114	1.277
1405	6776.4	4.2050	3.880	1.744	1.098	0.353	0.113	1.276
1406	6797.0	4.2216	3.862	1.739	1.099	0.350	0.112	1.275
1407	6817.7	4.2384	3.844	1.733	1.101	0.347	0.111	1.274
1408	6838.4	4.2551	3.826	1.728	1.102	0.344	0.110	1.273
1409	6859.1	4.2720	3.808	1.723	1.104	0.341	0.109	1.272
1410	6880.0	4.2889	3.790	1.718	1.105	0.337	0.109	1.272
1411	6900.9	4.3058	3.772	1.713	1.106	0.334	0.108	1.272
1412	6921.8	4.3228	3.754	1.707	1.108	0.331	0.107	1.272
1413	6942.9	4.3399	3.736	1.702	1.109	0.328	0.106	1.274
1414	6964.0	4.3570	3.719	1.697	1.111	0.325	0.105	1.276
1415	6985.1	4.3742	3.701	1.692	1.112	0.322	0.104	1.279
1416	7006.3	4.3914	3.684	1.687	1.114	0.319	0.104	1.282
1417	7027.6	4.4087	3.666	1.682	1.115	0.316	0.103	1.286
1418	7048.9	4.4261	3.649	1.677	1.117	0.313	0.102	1.290
1419	7070.4	4.4435	3.632	1.672	1.118	0.310	0.101	1.293
1420	7091.8	4.4610	3.615	1.667	1.120	0.308	0.101	1.296
1421	7113.4	4.4785	3.598	1.662	1.121	0.305	0.100	1.299
1422	7135.0	4.4961	3.581	1.657	1.122	0.302	0.099	1.301
1423	7156.6	4.5138	3.564	1.652	1.124	0.299	0.098	1.302
1424	7178.4	4.5315	3.548	1.647	1.125	0.296	0.097	1.302
1425	7200.2	4.5493	3.531	1.642	1.127	0.294	0.097	1.302
1426	7222.0	4.5671	3.515	1.637	1.128	0.291	0.096	1.301
1427	7244.0	4.5851	3.498	1.632	1.130	0.288	0.095	1.300
1428	7266.0	4.6030	3.482	1.627	1.131	0.286	0.095	1.299
1429	7288.1	4.6211	3.465	1.622	1.133	0.283	0.094	1.298
1430	7310.2	4.6391	3.449	1.617	1.134	0.280	0.093	1.297
1431	7332.4	4.6573	3.433	1.612	1.136	0.278	0.092	1.297
1432	7354.7	4.6755	3.417	1.607	1.137	0.275	0.092	1.297
1433	7377.0	4.6938	3.401	1.602	1.139	0.273	0.091	1.297
1434	7399.4	4.7121	3.385	1.597	1.140	0.270	0.090	1.299
1435	7421.9	4.7305	3.370	1.593	1.142	0.268	0.090	1.301
1436	7444.4	4.7490	3.354	1.588	1.143	0.265	0.089	1.304
1437	7467.0	4.7675	3.338	1.583	1.144	0.263	0.088	1.307
1438	7489.7	4.7861	3.323	1.578	1.146	0.261	0.088	1.311
1439	7512.4	4.8047	3.307	1.573	1.147	0.258	0.087	1.314
1440	7535.2	4.8234	3.292	1.569	1.149	0.256	0.086	1.318

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1441	7558.0	4.8422	3.277	1.564	1.150	0.253	0.086	1.321
1442	7581.0	4.8610	3.261	1.559	1.152	0.251	0.085	1.324
1443	7604.0	4.8799	3.246	1.554	1.153	0.249	0.084	1.326
1444	7627.0	4.8989	3.231	1.550	1.154	0.247	0.084	1.327
1445	7650.2	4.9179	3.216	1.545	1.156	0.244	0.083	1.327
1446	7673.4	4.9370	3.201	1.540	1.157	0.242	0.082	1.327
1447	7696.7	4.9561	3.186	1.535	1.159	0.240	0.082	1.326
1448	7720.0	4.9753	3.172	1.531	1.160	0.238	0.081	1.325
1449	7743.4	4.9946	3.157	1.526	1.162	0.236	0.080	1.324
1450	7766.9	5.0139	3.142	1.521	1.163	0.233	0.080	1.323
1451	7790.5	5.0333	3.128	1.517	1.164	0.231	0.079	1.322
1452	7814.1	5.0528	3.113	1.512	1.166	0.229	0.079	1.321
1453	7837.8	5.0724	3.099	1.508	1.167	0.227	0.078	1.321
1454	7861.6	5.0920	3.085	1.503	1.169	0.225	0.077	1.322
1455	7885.4	5.1116	3.070	1.498	1.170	0.223	0.077	1.323
1456	7909.3	5.1314	3.056	1.494	1.171	0.221	0.076	1.326
1457	7933.3	5.1512	3.042	1.489	1.173	0.219	0.076	1.329
1458	7957.4	5.1710	3.028	1.485	1.174	0.217	0.075	1.333
1459	7981.5	5.1909	3.014	1.480	1.176	0.215	0.075	1.336
1460	8005.7	5.2109	3.000	1.476	1.177	0.213	0.074	1.340
1461	8030.0	5.2310	2.986	1.471	1.178	0.211	0.073	1.343
1462	8054.3	5.2512	2.973	1.467	1.180	0.209	0.073	1.346
1463	8078.7	5.2714	2.959	1.462	1.181	0.207	0.072	349
1464	8103.2	5.2916	2.945	1.458	1.182	0.205	0.072	.351
1465	8127.8	5.3120	2.932	1.453	1.184	0.204	0.071	1.351
1466	8152.4	5.3324	2.918	1.449	1.185	0.202	0.071	1.351
1467	8177.2	5.3529	2.905	1.444	1.187	0.200	0.070	1.351
1468	8202.0	5.3734	2.892	1.440	1.188	0.198	0.070	1.350
1469	8226.8	5.3940	2.878	1.435	1.189	0.196	0.069	1.349
1470	8251.8	5.4147	2.865	1.431	1.191	0.195	0.069	1.347
1471	8276.8	5.4355	2.852	1.427	1.192	0.193	0.068	1.346
1472	8301.9	5.4563	2.839	1.422	1.193	0.191	0.067	1.345
1473	8327.1	5.4772	2.826	1.418	1.195	0.189	0.067	1.345
1474	8352.3	5.4981	2.813	1.414	1.196	0.188	0.066	1.345
1475	8377.7	5.5192	2.800	1.409	1.198	0.186	0.066	1.346
1476	8403.1	5.5403	2.787	1.405	1.199	0.184	0.065	1.348
1477	8428.5	5.5615	2.774	1.401	1.201	0.183	0.065	1.351
1478	8454.1	5.5827	2.762	1.396	1.202	0.181	0.064	1.354
1479	8479.8	5.6040	2.749	1.392	1.204	0.179	0.064	1.358
1480	8505.5	5.6254	2.737	1.388	1.205	0.178	0.063	1.361
1481	8531.3	5.6469	2.724	1.383	1.206	0.176	0.063	1.365
1482	8557.1	5.6684	2.712	1.379	1.208	0.175	0.063	1.369
1483	8583.1	5.6901	2.699	1.375	1.209	0.173	0.062	1.371
1484	8609.1	5.7118	2.687	1.371	1.211	0.171	0.062	1.373
1485	8635.3	5.7335	2.675	1.366	1.212	0.170	0.061	1.374

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1486	8661.5	5.7553	2.662	1.362	1.214	0.168	0.061	1.375
1487	8687.7	5.7773	2.650	1.358	1.215	0.167	0.060	1.374
1488	8714.1	5.7992	2.638	1.354	1.216	0.165	0.060	1.374
1489	8740.5	5.8213	2.626	1.350	1.218	0.164	0.059	1.372
1490	8767.1	5.8434	2.614	1.345	1.219	0.162	0.059	1.371
1491	8793.7	5.8656	2.602	1.341	1.221	0.161	0.058	1.370
1492	8820.4	5.8879	2.590	1.337	1.222	0.159	0.058	1.369
1493	8847.1	5.9103	2.578	1.333	1.223	0.158	0.057	1.368
1494	8874.0	5.9327	2.567	1.329	1.225	0.157	0.057	1.368
1495	8900.9	5.9552	2.555	1.325	1.226	0.155	0.057	1.369
1496	8928.0	5.9778	2.543	1.321	1.228	0.154	0.056	1.371
1497	8955.1	6.0005	2.532	1.317	1.229	0.152	0.056	1.373
1498	8982.3	6.0232	2.520	1.313	1.230	0.151	0.055	1.377
1499	9009.5	6.0460	2.509	1.309	1.232	0.150	0.055	1.380
1500	9036.9	6.0689	2.497	1.305	1.233	0.148	0.054	1.384
1501	9064.3	6.0919	2.486	1.301	1.235	0.147	0.054	1.388
1502	9086.3	6.1103	2.477	1.297	1.236	0.146	0.054	1.390
1503	9110.8	6.1308	2.467	1.294	1.237	0.145	0.053	1.393
1504	9138.2	6.1538	2.456	1.290	1.238	0.143	0.053	1.396
1505	9165.7	6.1768	2.445	1.286	1.240	0.142	0.053	1.397
1506	9193.3	6.2000	2.433	1.282	1.241	0.141	0.052	1.398
1507	9221.0	6.2231	2.422	1.278	1.242	0.140	0.052	1.398
1508	9248.7	6.2464	2.412	1.274	1.244	0.138	0.051	1.397
1509	9276.5	6.2698	2.401	1.270	1.245	0.137	0.051	1.396
1510	9304.5	6.2932	2.390	1.266	1.246	0.136	0.051	1.395
1511	9332.4	6.3167	2.379	1.262	1.248	0.135	0.050	1.393
1512	9360.5	6.3402	2.368	1.259	1.249	0.134	0.050	1.392
1513	9388.7	6.3639	2.358	1.255	1.250	0.132	0.049	1.391
1514	9416.9	6.3876	2.347	1.251	1.252	0.131	0.049	1.391
1515	9445.2	6.4114	2.336	1.247	1.253	0.130	0.049	1.391
1516	9473.6	6.4353	2.326	1.243	1.254	0.129	0.048	1.393
1517	9502.1	6.4592	2.315	1.239	1.256	0.128	0.048	1.395
1518	9530.7	6.4833	2.305	1.236	1.257	0.127	0.048	1.398
1519	9559.4	6.5074	2.295	1.232	1.258	0.125	0.047	1.401
1520	9588.1	6.5316	2.284	1.228	1.260	0.124	0.047	1.405
1521	9617.0	6.5558	2.274	1.224	1.261	0.123	0.047	1.408
1522	9645.9	6.5802	2.264	1.220	1.262	0.122	0.046	1.412
1523	9674.9	6.6046	2.254	1.217	1.264	0.121	0.046	1.415
1524	9704.0	6.6291	2.243	1.213	1.265	0.120	0.046	1.418
1525	9733.2	6.6537	2.233	1.209	1.266	0.119	0.045	1.419
1526	9762.4	6.6784	2.223	1.205	1.268	0.118	0.045	1.420
1527	9791.8	6.7031	2.213	1.202	1.269	0.117	0.045	1.420
1528	9821.2	6.7280	2.204	1.198	1.270	0.116	0.044	1.420
1529	9850.8	6.7529	2.194	1.194	1.272	0.115	0.044	1.418
1530	9880.4	6.7779	2.184	1.191	1.273	0.114	0.044	1.417

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1531	9910.1	6.8029	2.174	1.187	1.274	0.113	0.043	1.416
1532	9939.9	6.8281	2.164	1.183	1.276	0.112	0.043	1.414
1533	9969.8	6.8533	2.155	1.180	1.277	0.111	0.043	1.414
1534	9999.7	6.8786	2.145	1.176	1.278	0.110	0.042	1.413
1535	10029.8	6.9040	2.136	1.172	1.280	0.109	0.042	1.414
1536	10059.9	6.9294	2.126	1.169	1.281	0.108	0.042	1.415
1537	10090.1	6.9549	2.117	1.165	1.282	0.107	0.041	1.417
1538	10120.3	6.9805	2.107	1.161	1.284	0.106	0.041	1.420
1539	10150.7	7.0062	2.098	1.158	1.285	0.105	0.041	1.424
1540	10181.2	7.0320	2.089	1.154	1.286	0.104	0.040	1.427
1541	10211.7	7.0578	2.079	1.151	1.288	0.103	0.040	1.430
1542	10242.3	7.0837	2.070	1.147	1.289	0.102	0.040	1.434
1543	10273.0	7.1097	2.061	1.144	1.290	0.101	0.039	1.437
1544	10303.8	7.1357	2.052	1.140	1.292	0.101	0.039	1.439
1545	10334.6	7.1619	2.043	1.137	1.293	0.100	0.039	1.441
1546	10365.6	7.1881	2.034	1.133	1.294	0.099	0.039	1.442
1547	10396.6	7.2144	2.025	1.130	1.296	0.098	0.038	1.442
1548	10427.7	7.2407	2.016	1.126	1.297	0.097	0.038	1.441
1549	10458.9	7.2672	2.007	1.123	1.298	0.096	0.038	1.440
1550	10490.2	7.2937	1.998	1.119	1.300	0.095	0.037	1.439
1551	10521.6	7.3203	1.989	1.116	1.301	0.095	0.037	1.437
1552	10553.0	7.3470	1.980	1.112	1.302	0.094	0.037	1.436
1553	10584.6	7.3738	1.972	1.109	1.304	0.093	0.037	1.435
1554	10616.2	7.4006	1.963	1.105	1.305	0.092	0.036	1.435
1555	10647.9	7.4275	1.954	1.102	1.306	0.091	0.036	1.436
1556	10679.7	7.4545	1.946	1.099	1.307	0.091	0.036	1.437
1557	10711.6	7.4816	1.937	1.095	1.309	0.090	0.036	1.440
1558	10743.6	7.5088	1.928	1.092	1.310	0.089	0.035	1.443
1559	10775.7	7.5360	1.920	1.088	1.311	0.088	0.035	1.446
1560	10807.8	7.5633	1.912	1.085	1.313	0.087	0.035	1.450
1561	10840.1	7.5907	1.903	1.082	1.314	0.087	0.034	1.452
1562	10872.4	7.6182	1.895	1.078	1.315	0.086	0.034	1.456
1563	10904.8	7.6458	1.886	1.075	1.317	0.085	0.034	1.459
1564	10937.3	7.6734	1.878	1.072	1.318	0.084	0.034	1.461
1565	10969.9	7.7012	1.870	1.068	1.319	0.084	0.033	1.463
1566	11002.6	7.7290	1.862	1.065	1.321	0.083	0.033	1.464
1567	11035.4	7.7569	1.854	1.062	1.322	0.082	0.033	1.464
1568	11068.3	7.7848	1.845	1.058	1.323	0.082	0.033	1.463
1569	11101.2	7.8129	1.837	1.055	1.324	0.081	0.032	1.462
1570	11134.3	7.8410	1.829	1.052	1.326	0.080	0.032	1.460
1571	11167.4	7.8693	1.821	1.049	1.327	0.079	0.032	1.459
1572	11200.6	7.8976	1.813	1.045	1.328	0.079	0.032	1.458
1573	11234.0	7.9260	1.805	1.042	1.330	0.078	0.032	1.457
1574	11267.4	7.9544	1.797	1.039	1.331	0.077	0.031	1.457
1575	11300.9	7.9830	1.790	1.036	1.332	0.077	0.031	1.458

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1576	11334.5	8.0116	1.782	1.033	1.334	0.076	0.031	1.459
1577	11368.2	8.0404	1.774	1.029	1.335	0.075	0.031	1.462
1578	11401.9	8.0692	1.766	1.026	1.336	0.075	0.030	1.465
1579	11435.8	8.0981	1.759	1.023	1.337	0.074	0.030	1.469
1580	11469.8	8.1271	1.751	1.020	1.339	0.073	0.030	1.472
1581	11503.8	8.1561	1.743	1.017	1.340	0.073	0.030	1.474
1582	11538.0	8.1853	1.736	1.014	1.341	0.072	0.029	1.478
1583	11572.2	8.2145	1.728	1.010	1.343	0.072	0.029	1.481
1584	11606.6	8.2439	1.721	1.007	1.344	0.071	0.029	1.483
1585	11641.0	8.2733	1.713	1.004	1.345	0.070	0.029	1.485
1586	11675.5	8.3028	1.706	1.001	1.346	0.070	0.029	1.485
1587	11710.2	8.3324	1.698	0.998	1.348	0.069	0.028	1.485
1588	11744.9	8.3620	1.691	0.995	1.349	0.069	0.028	1.484
1589	11779.7	8.3918	1.683	0.992	1.350	0.068	0.028	1.483
1590	11814.6	8.4216	1.676	0.989	1.352	0.067	0.028	1.481
1591	11849.6	8.4516	1.669	0.986	1.353	0.067	0.028	1.480
1592	11884.7	8.4816	1.662	0.983	1.354	0.066	0.027	1.479
1593	11919.9	8.5117	1.654	0.980	1.356	0.066	0.027	1.478
1594	11955.2	8.5419	1.647	0.977	1.357	0.065	0.027	1.479
1595	11990.6	8.5722	1.640	0.974	1.358	0.065	0.027	1.480
1596	12026.1	8.6026	1.633	0.971	1.359	0.064	0.027	1.482
1597	12061.7	8.6331	1.626	0.968	1.361	0.063	0.026	1.484
1598	12097.4	8.6636	1.619	0.965	1.362	0.063	0.026	1.488
1599	12133.2	8.6943	1.612	0.962	1.363	0.062	0.026	1.490
1600	12169.0	8.7250	1.605	0.959	1.364	0.062	0.026	1.493
1601	12205.0	8.7558	1.598	0.956	1.366	0.061	0.026	1.497
1602	12241.1	8.7868	1.591	0.953	1.367	0.061	0.025	1.500
1603	12277.3	8.8178	1.584	0.950	1.368	0.060	0.025	1.503
1604	12313.6	8.8489	1.577	0.947	1.370	0.060	0.025	1.505
1605	12349.9	8.8801	1.570	0.944	1.371	0.059	0.025	1.506
1606	12386.4	8.9113	1.564	0.941	1.372	0.059	0.025	1.506
1607	12423.0	8.9427	1.557	0.938	1.373	0.058	0.024	1.506
1608	12459.7	8.9742	1.550	0.935	1.375	0.058	0.024	1.505
1609	12496.5	9.0057	1.543	0.932	1.376	0.057	0.024	1.504
1610	12533.3	9.0374	1.537	0.929	1.377	0.057	0.024	1.502
1611	12570.3	9.0691	1.530	0.927	1.379	0.056	0.024	1.501
1612	12607.4	9.1010	1.524	0.924	1.380	0.056	0.024	1.500
1613	12644.6	9.1329	1.517	0.921	1.381	0.055	0.023	1.500
1614	12681.9	9.1649	1.510	0.918	1.382	0.055	0.023	1.500
1615	12719.3	9.1971	1.504	0.915	1.384	0.054	0.023	1.502
1616	12756.8	9.2293	1.497	0.912	1.385	0.054	0.023	1.504
1617	12794.4	9.2616	1.491	0.910	1.386	0.053	0.023	1.507
1618	12832.1	9.2940	1.485	0.907	1.388	0.053	0.023	1.510
1619	12869.9	9.3265	1.478	0.904	1.389	0.053	0.022	1.513
1620	12907.8	9.3591	1.472	0.901	1.390	0.052	0.022	1.515

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1621	12945.8	9.3918	1.465	0.898	1.391	0.052	0.022	1.519
1622	12983.9	9.4245	1.459	0.896	1.393	0.051	0.022	1.522
1623	13022.2	9.4574	1.453	0.893	1.394	0.051	0.022	1.524
1624	13060.5	9.4904	1.447	0.890	1.395	0.050	0.022	1.526
1625	13098.9	9.5235	1.440	0.887	1.396	0.050	0.021	1.527
1626	13137.5	9.5566	1.434	0.885	1.398	0.049	0.021	1.527
1627	13176.1	9.5899	1.428	0.882	1.399	0.049	0.021	1.527
1628	13214.9	9.6233	1.422	0.879	1.400	0.049	0.021	1.526
1629	13253.7	9.6567	1.416	0.876	1.402	0.048	0.021	1.524
1630	13292.7	9.6903	1.410	0.874	1.403	0.048	0.021	1.523
1631	13331.8	9.7240	1.404	0.871	1.404	0.047	0.021	1.522
1632	13371.0	9.7577	1.398	0.868	1.405	0.047	0.020	1.522
1633	13410.3	9.7916	1.392	0.866	1.407	0.047	0.020	1.522
1634	13449.7	9.8255	1.386	0.863	1.408	0.046	0.020	1.522
1635	13489.2	9.8596	1.380	0.860	1.409	0.046	0.020	1.524
1636	13528.8	9.8937	1.374	0.858	1.410	0.045	0.020	1.527
1637	13568.5	9.9280	1.368	0.855	1.412	0.045	0.020	1.530
1638	13608.4	9.9623	1.362	0.852	1.413	0.045	0.019	1.534
1639	13648.3	9.9968	1.356	0.850	1.414	0.044	0.019	1.534
1640	13688.4	10.0313	1.351	0.847	1.415	0.044	0.019	1.537
1641	13728.5	10.0660	1.345	0.844	1.417	0.044	0.019	1.541
1642	13768.8	10.1007	1.339	0.842	1.418	0.043	0.019	1.544
1643	13809.2	10.1356	1.333	0.839	1.419	0.043	0.019	1.546
1644	13849.7	10.1705	1.328	0.837	1.420	0.042	0.019	1.548
1645	13890.3	10.2056	1.322	0.834	1.422	0.042	0.019	1.548
1646	13931.0	10.2408	1.316	0.831	1.423	0.042	0.018	1.548
1647	13971.9	10.2760	1.311	0.829	1.424	0.041	0.018	1.547
1648	14012.8	10.3114	1.305	0.826	1.426	0.041	0.018	1.546
1649	14053.9	10.3469	1.300	0.824	1.427	0.041	0.018	1.545
1650	14095.1	10.3824	1.294	0.821	1.428	0.040	0.018	1.544
1651	14136.4	10.4181	1.288	0.819	1.429	0.040	0.018	1.543
1652	14177.8	10.4539	1.283	0.816	1.431	0.040	0.018	1.543
1653	14219.3	10.4898	1.278	0.813	1.432	0.039	0.017	1.543
1654	14260.9	10.5258	1.272	0.811	1.433	0.039	0.017	1.545
1655	14302.7	10.5619	1.267	0.808	1.434	0.039	0.017	1.547
1656	14344.6	10.5981	1.261	0.806	1.436	0.038	0.017	1.550
1657	14386.5	10.6344	1.256	0.803	1.437	0.038	0.017	1.554
1658	14428.6	10.6708	1.251	0.801	1.438	0.038	0.017	1.556
1659	14470.9	10.7073	1.245	0.798	1.439	0.037	0.017	1.556
1660	14513.2	10.7439	1.240	0.796	1.441	0.037	0.017	1.560
1661	14555.6	10.7806	1.235	0.794	1.442	0.037	0.016	1.559
1662	14598.2	10.8175	1.229	0.791	1.443	0.036	0.016	1.565
1663	14640.9	10.8544	1.224	0.789	1.444	0.036	0.016	1.570
1664	14683.7	10.8915	1.219	0.786	1.450	0.036	0.016	1.575
1665	14726.6	10.9286	1.214	0.784	1.450	0.036	0.016	1.561

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1666	14769.7	10.9659	1.209	0.782	1.450	0.035	0.016	1.563
1667	14812.8	11.0033	1.203	0.779	1.449	0.035	0.016	1.566
1668	14856.1	11.0408	1.198	0.777	1.449	0.035	0.016	1.569
1669	14899.5	11.0784	1.193	0.774	1.449	0.034	0.016	1.571
1670	14943.0	11.1161	1.188	0.772	1.449	0.034	0.015	1.573
1671	14986.6	11.1539	1.183	0.769	1.448	0.034	0.015	1.575
1672	15030.4	11.1918	1.178	0.767	1.448	0.032	0.015	1.576
1673	15074.3	11.2298	1.173	0.764	1.449	0.032	0.015	1.578
1674	15118.3	11.2680	1.168	0.762	1.449	0.032	0.015	1.579
1675	15162.4	11.3062	1.163	0.759	1.449	0.032	0.015	1.580
1676	15206.6	11.3446	1.158	0.756	1.450	0.031	0.015	1.581
1677	15251.0	11.3830	1.153	0.754	1.450	0.031	0.015	1.582
1678	15295.5	11.4216	1.148	0.751	1.451	0.031	0.015	1.583
1679	15340.1	11.4603	1.144	0.749	1.451	0.031	0.014	1.585
1680	15384.9	11.4991	1.139	0.746	1.452	0.030	0.014	1.587
1681	15429.7	11.5381	1.134	0.743	1.453	0.030	0.014	1.590
1682	15474.7	11.5771	1.129	0.741	1.455	0.030	0.014	1.594
1683	15519.8	11.6163	1.124	0.738	1.456	0.029	0.014	1.586
1684	15565.0	11.6555	1.119	0.736	1.457	0.029	0.014	1.578
1685	15610.4	11.6949	1.115	0.733	1.459	0.029	0.014	1.581
1686	15655.9	11.7344	1.110	0.730	1.460	0.029	0.014	1.584
1687	15701.5	11.7740	1.105	0.728	1.461	0.028	0.014	1.586
1688	15747.2	11.8137	1.101	0.725	1.462	0.028	0.014	1.588
1689	15793.1	11.8535	1.096	0.723	1.463	0.028	0.013	1.589
1690	15839.1	11.8935	1.091	0.721	1.465	0.028	0.013	1.590
1691	15885.2	11.9336	1.087	0.718	1.466	0.028	0.013	1.591
1692	15931.5	11.9738	1.082	0.716	1.467	0.027	0.013	1.592
1693	15977.8	12.0141	1.078	0.713	1.468	0.027	0.013	1.593
1694	16024.3	12.0545	1.073	0.711	1.469	0.027	0.013	1.594
1695	16071.0	12.0950	1.068	0.708	1.470	0.027	0.013	1.596
1696	16117.7	12.1357	1.064	0.706	1.471	0.026	0.013	1.598
1697	16164.6	12.1764	1.059	0.704	1.472	0.026	0.013	1.600
1698	16211.6	12.2173	1.055	0.702	1.474	0.026	0.013	1.603
1699	16258.8	12.2583	1.050	0.699	1.475	0.026	0.012	1.606
1700	16306.1	12.2994	1.046	0.697	1.476	0.026	0.012	1.592
1701	16325.4	12.3168	1.027	0.695	1.476	0.025	0.012	1.584
1702	16350.4	12.3385	1.024	0.694	1.476	0.025	0.012	1.586
1703	16375.4	12.3603	1.022	0.693	1.477	0.025	0.012	1.587
1704	16400.4	12.3821	1.020	0.692	1.477	0.025	0.012	1.589
1705	16425.5	12.4039	1.018	0.690	1.478	0.025	0.012	1.590
1706	16450.6	12.4257	1.016	0.689	1.478	0.025	0.012	1.592
1707	16475.8	12.4476	1.014	0.688	1.479	0.025	0.012	1.593
1708	16500.9	12.4696	1.013	0.687	1.480	0.025	0.012	1.594
1709	16526.2	12.4915	1.011	0.685	1.480	0.025	0.012	1.595
1710	16551.5	12.5135	1.009	0.684	1.481	0.025	0.012	1.596

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1711	16576.8	12.5356	1.007	0.683	1.481	0.025	0.012	1.597
1712	16602.1	12.5577	1.005	0.682	1.482	0.024	0.012	1.597
1713	16627.5	12.5798	1.003	0.681	1.482	0.024	0.012	1.598
1714	16652.9	12.6019	1.001	0.679	1.483	0.024	0.012	1.599
1715	16678.4	12.6241	0.999	0 678	1.484	0.024	0.012	1.599
1716	16703.9	12.6463	0.997	0.677	1.484	0.024	0.012	1.600
1717	16729.5	12.6686	0.995	0.676	1.485	0.024	0.012	1.601
1718	16755.1	12.6908	0.993	0.675	1.485	0.024	0.011	1.601
1719	16780.7	12.7132	0.991	0.673	1.486	0.024	0.011	1.602
1720	16806.4	12.7355	0.989	0.672	1.486	0.024	0.011	1.603
1721	16832.1	12.7579	0.987	0.671	1.487	0.024	0.011	1.604
1722	16857.8	12.7804	0.985	0.670	1.488	0.024	0.011	1.605
1723	16883.6	12.8028	0.983	0.669	1.488	0.023	0.011	1.606
1724	16909.5	12.8253	0.981	0.668	1.489	0.023	0.011	1.607
1725	16935.3	12.8479	0.979	0.666	1.489	0.023	0.011	1.608
1726	16961.3	12.8705	0.977	0.665	1.490	0.023	0.011	1.610
1727	16987.2	12.8931	0.975	0.664	1.490	0.023	0.011	1.611
1728	17013.2	12.9157	0.973	0.663	1.491	0.023	0.011	1.613
1729	17039.2	12.9384	0.971	0.662	1.491	0.023	0.011	1.614
1730	17065.3	12.9611	0.969	0.661	1.492	0.023	0.011	1.616
1731	17091.4	12.9839	0.967	0.660	1.493	0.023	0.011	1.616
1732	17117.6	13.0067	0.965	0.658	1.493	0.023	0.011	1.604
1733	17143.8	13.0295	0.963	0.657	1.494	0.022	0.011	1.592
1734	17170.0	13.0524	0.961	0.656	1.49	0.022	0.011	1.594
1735	17196.3	13.0753	0.959	0.655	1.495	0.022	0.011	1.596
1736	17222.6	13.0983	0.957	0.654	1.495	0.022	0.011	1.598
1737	17249.0	13.1213	0.955	0.653	1.496	0.022	0.011	1.599
1738	17275.4	13.1443	0.953	0.652	1.496	0.022	0.011	1.601
1739	17301.8	13.1673	0.951	0.650	1.497	0.022	0.011	1.602
1740	17328.3	13.1904	0.949	0.649	1.497	0.022	0.011	1.603
1741	17354.9	13.2136	0.947	0.648	1.498	0.022	0.010	1.605
1742	17381.4	13.2367	0.945	0.647	1.499	0.022	0.010	1.606
1743	17408.1	13.2599	0.943	0.646	1.499	0.022	0.010	1.607
1744	17434.7	13.2832	0.941	0.645	1.500	0.021	0.010	1.608
1745	17461.4	13.3065	0.939	0.644	1.500	0.021	0.010	1.609
1746	17488.1	13.3298	0.937	0.643	1.501	0.021	0.010	1.610
1747	17514.9	13.3532	0.935	0.642	1.501	0.021	0.010	1.611
1748	17541.7	13.3766	0.933	0.640	1.502	0.021	0.010	1.611
1749	17568.6	13.4000	0.931	0.639	1.502	0.021	0.010	1.612
1750	17595.5	13.4235	0.929	0.638	1.503	0.021	0.010	1.613
1751	17622.5	13.4470	0.927	0.637	1.504	0.021	0.010	1.614
1752	17649.5	13.4705	0.925	0.636	1.504	0.021	0.010	1.615
1753	17676.5	13.4941	0.923	0.635	1.505	0.021	0.010	1.616
1754	17703.6	13.5178	0.921	0.634	1.505	0.021	0.010	1.617
1755	17730.7	13.5414	0.919	0.633	1.506	0.020	0.010	1.619

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1756	17757.9	13.5651	0.917	0.632	1.506	0.020	0.010	1.620
1757	17785.1	13.5889	0.915	0.631	1.507	0.020	0.010	1.621
1758	17812.3	13.6127	0.914	0.629	1.508	0.020	0.010	1.623
1759	17839.6	13.6365	0.912	0.628	1.508	0.020	0.010	1.624
1760	17866.9	13.6603	0.910	0.627	1.509	0.020	0.010	1.626
1761	17894.3	13.6842	0.908	0.626	1.509	0.020	0.010	1.627
1762	17921.7	13.7082	0.906	0.625	1.510	0.020	0.010	1.629
1763	17949.2	13.7322	0.904	0.624	1.510	0.020	0.010	1.631
1764	17976.7	13.7562	0.902	0.623	1.511	0.020	0.010	1.633
1765	18004.2	13.7802	0.900	0.622	1.511	0.020	0.010	1.630
1766	18031.8	13.8043	0.898	0.621	1.512	0.020	0.009	1.616
1767	18059.5	13.8285	0.896	0.620	1.513	0.019	0.009	1.606
1768	18087.2	13.8526	0.894	0.619	1.513	0.019	0.009	1.608
1769	18114.9	13.8769	0.892	0.618	1.514	0.019	0.009	1.610
1770	18142.6	13.9011	0.890	0.616	1.514	0.019	0.009	1.611
1771	18170.5	13.9254	0.888	0.615	1.515	0.019	0.009	1.613
1772	18198.3	13.9497	0.886	0.614	1.515	0.019	0.009	1.614
1773	18226.2	13.9741	0.884	0.613	1.516	0.019	0.009	1.616
1774	18254.2	13.9985	0.882	0.612	1.516	0.019	0.009	1.617
1775	18282.1	14.0230	0.880	0.611	1.517	0.019	0.009	1.619
1776	18310.2	14.0475	0.878	0.610	1.517	0.019	0.009	1.620
1777	18338.3	14.0720	0.876	0.609	1.518	0.019	0.009	1.621
1778	18366.4	14.0966	0.874	0.608	1.519	0.019	0.009	1.622
1779	18394.5	14.1212	0.872	0.607	1.519	0.018	0.009	1.623
1780	18422.8	14.1458	0.871	0.606	1.520	0.018	0.009	1.624
1781	18451.0	14.1705	0.869	0.605	1.520	0.018	0.009	1.626
1782	18479.3	14.1953	0.867	0.604	1.521	0.018	0.009	1.627
1783	18507.7	14.2200	0.865	0.603	1.521	0.018	0.009	1.628
1784	18536.0	14.2448	0.863	0.602	1.522	0.018	0.009	1.629
1785	18564.5	14.2697	0.861	0.601	1.522	0.018	0.009	1.630
1786	18593.0	14.2946	0.859	0.600	1.523	0.018	0.009	1.631
1787	18621.5	14.3195	0.857	0.599	1.524	0.018	0.009	1.633
1788	18650.0	14.3445	0.855	0.598	1.524	0.018	0.009	1.634
1789	18678.7	14.3695	0.853	0.597	1.525	0.018	0.009	1.635
1790	18707.3	14.3946	0.851	0.595	1.525	0.018	0.009	1.637
1791	18736.0	14.4197	0.850	0.594	1.526	0.018	0.009	1.638
1792	18764.8	14.4448	0.848	0.593	1.526	0.017	0.009	1.640
1793	18793.6	14.4700	0.846	0.592	1.527	0.017	0.009	1.642
1794	18822.4	14.4952	0.844	0.591	1.527	0.017	0.008	1.643
1795	18851.3	14.5205	0.842	0.590	1.528	0.017	0.008	1.645
1796	18880.2	14.5458	0.840	0.589	1.529	0.017	0.008	1.647
1797	18909.2	14.5712	0.838	0.588	1.529	0.017	0.008	1.649
1798	18938.2	14.5965	0.836	0.587	1.530	0.017	0.008	1.651
1799	18967.3	14.6220	0.835	0.586	1.530	0.017	0.008	1.642
1800	18996.4	14.6475	0.833	0.585	1.531	0.017	0.008	1.625

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1801	19025.6	14.6730	0.831	0.584	1.531	0.017	0.008	1.620
1802	19054.8	14.6985	0.829	0.583	1.532	0.017	0.008	1.622
1803	19084.1	14.7241	0.827	0.582	1.532	0.017	0.008	1.624
1804	19113.4	14.7498	0.825	0.581	1.533	0.017	0.008	1.626
1805	19142.7	14.7754	0.823	0.580	1.533	0.016	0.008	1.627
1806	19172.1	14.8012	0.822	0.579	1.534	0.016	0.008	1.629
1807	19201.6	14.8269	0.820	0.578	1.534	0.016	0.008	1.630
1808	19231.0	14.8527	0.818	0.577	1.535	0.016	0.008	1.632
1809	19260.6	14.8786	0.816	0.576	1.536	0.016	0.008	1.633
1810	19290.2	14.9045	0.814	0.575	1.536	0.016	0.008	1.635
1811	19319.8	14.9304	0.812	0.574	1.537	0.016	0.008	1.636
1812	19349.5	14.9564	0.811	0.573	1.537	0.016	0.008	1.637
1813	19379.2	14.9824	0.809	0.572	1.538	0.016	0.008	1.639
1814	19409.0	15.0085	0.807	0.571	1.538	0.016	0.008	1.640
1815	19438.8	15.0346	0.805	0.570	1.539	0.016	0.008	1.641
1816	19468.7	15.0607	0.803	0.569	1.539	0.016	0.008	1.643
1817	19498.6	15.0869	0.802	0.568	1.540	0.016	0.008	1.644
1818	19528.5	15.1132	0.800	0.567	1.540	0.016	0.008	1.645
1819	19558.5	15.1394	0.798	0.566	1.541	0.015	0.008	1.647
1820	19588.6	15.1658	0.796	0.565	1.541	0.015	0.008	1.648
1821	19618.7	15.1921	0.794	0.564	1.542	0.015	0.008	1.650
1822	19648.8	15.2185	0.793	0.563	1.543	0.015	0.008	1.651
1823	19679.0	15.2450	0.791	0.562	1.543	0.015	0.008	1.653
1824	19709.3	15.2715	0.789	0.561	1.544	0.015	0.008	1.654
1825	19739.5	15.2980	0.787	0.560	1.544	0.015	0.008	1.656
1826	19769.9	15.3246	0.786	0.559	1.545	0.015	0.007	1.658
1827	19800.3	15.3512	0.784	0.558	1.545	0.015	0.007	1.660
1828	19830.7	15.3778	0.782	0.557	1.546	0.015	0.007	1.662
1829	19861.2	15.4045	0.780	0.556	1.546	0.015	0.007	1.664
1830	19891.7	15.4313	0.779	0.555	1.547	0.015	0.007	1.666
1831	19922.3	15.4581	0.777	0.554	1.547	0.015	0.007	1.668
1832	19952.9	15.4849	0.775	0.553	1.548	0.015	0.007	1.664
1833	19983.6	15.5118	0.773	0.552	1.548	0.015	0.007	1.648
1834	20014.3	15.5387	0.772	0.551	1.549	0.014	0.007	1.634
1835	20045.0	15.5657	0.770	0.550	1.549	0.014	0.007	1.635
1836	20075.9	15.5927	0.768	0.549	1.550	0.014	0.007	1.637
1837	20106.7	15.6197	0.766	0.548	1.551	0.014	0.007	1.639
1838	20137.6	15.6468	0.765	0.548	1.551	0.014	0.007	1.640
1839	20168.6	15.6739	0.763	0.547	1.552	0.014	0.007	1.642
1840	20199.6	15.7011	0.761	0.546	1.552	0.014	0.007	1.644
1841	20230.6	15.7283	0.759	0.545	1.553	0.014	0.007	1.645
1842	20261.7	15.7556	0.758	0.544	1.553	0.014	0.007	1.647
1843	20292.9	15.7829	0.756	0.543	1.554	0.014	0.007	1.649
1844	20324.0	15.8102	0.754	0.542	1.554	0.014	0.007	1.650
1845	20355.3	15.8376	0.753	0.541	1.555	0.014	0.007	1.652

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1846	20386.5	15.8650	0.751	0.540	1.555	0.014	0.007	1.653
1847	20417.9	15.8925	0.749	0.539	1.556	0.014	0.007	1.655
1848	20449.2	15.9200	0.748	0.538	1.556	0.014	0.007	1.656
1849	20480.6	15.9476	0.746	0.537	1.557	0.014	0.007	1.658
1850	20512.1	15.9751	0.744	0.536	1.557	0.013	0.007	1.659
1851	20543.6	16.0028	0.743	0.535	1.558	0.013	0.007	1.661
1852	20575.2	16.0305	0.741	0.534	1.558	0.013	0.007	1.662
1853	20606.8	16.0582	0.739	0.533	1.559	0.013	0.007	1.664
1854	20638.4	16.0859	0.738	0.532	1.559	0.013	0.007	1.666
1855	20670.1	16.1137	0.736	0.531	1.560	0.013	0.007	1.667
1856	20701.8	16.1416	0.734	0.530	1.560	0.013	0.007	1.669
1857	20733.6	16.1695	0.733	0.529	1.561	0.013	0.007	1.671
1858	20765.5	16.1974	0.731	0.529	1.561	0.013	0.007	1.673
1859	20797.3	16.2254	0.729	0.528	1.562	0.013	0.007	1.674
1860	20829.3	16.2534	0.728	0.527	1.563	0.013	0.007	1.676
1861	20861.3	16.2815	0.726	0.526	1.563	0.013	0.007	1.678
1862	20893.3	16.3096	0.724	0.525	1.564	0.013	0.006	1.680
1863	20925.4	16.3377	0.723	0.524	1.564	0.013	0.006	1.682
1864	20957.5	16.3659	0.721	0.523	1.565	0.013	0.006	1.682
1865	20989.6	16.3941	0.719	0.522	1.565	0.013	0.006	1.666
1866	21021.9	16.4224	0.718	0.521	1.566	0.013	0.006	1.649
1867	21054.1	16.4507	0.716	0.520	1.566	0.012	0.006	1.646
1868	21086.4	16.4791	0.715	0.519	1.567	0.012	0.006	1.648
1869	21118.8	16.5075	0.713	0.518	1.567	0.012	0.006	1.650
1870	21151.2	16.5359	0.711	0.517	1.568	0.012	0.006	1.652
1871	21183.6	16.5644	0.710	0.516	1.568	0.012	0.006	1.654
1872	21216.1	16.5930	0.708	0.516	1.569	0.012	0.006	1.656
1873	21248.7	16.6215	0.707	0.515	1.569	0.012	0.006	1.657
1874	21281.3	16.6502	0.705	0.514	1.570	0.012	0.006	1.659
1875	21313.9	16.6788	0.703	0.513	1.570	0.012	0.006	1.661
1876	21346.6	16.7075	0.702	0.512	1.571	0.012	0.006	1.663
1877	21379.4	16.7363	0.700	0.511	1.571	0.012	0.006	1.664
1878	21412.2	16.7651	0.699	0.510	1.572	0.012	0.006	1.666
1879	21445.0	16.7939	0.697	0.509	1.572	0.012	0.006	1.668
1880	21477.9	16.8228	0.695	0.508	1.573	0.012	0.006	1.669
1881	21510.8	16.8517	0.694	0.507	1.573	0.012	0.006	1.671
1882	21543.8	16.8807	0.692	0.506	1.574	0.012	0.006	1.673
1883	21576.9	16.9097	0.691	0.506	1.574	0.012	0.006	1.674
1884	21610.0	16.9388	0.689	0.505	1.575	0.012	0.006	1.676
1885	21643.1	16.9679	0.688	0.504	1.575	0.012	0.006	1.678
1886	21676.3	16.9971	0.686	0.503	1.576	0.011	0.006	1.680
1887	21709.5	17.0262	0.685	0.502	1.576	0.011	0.006	1.681
1888	21742.8	17.0555	0.683	0.501	1.577	0.011	0.006	1.683
1889	21776.1	17.0848	0.682	0.500	1.577	0.011	0.006	1.685
1890	21809.5	17.1141	0.680	0.499	1.578	0.011	0.006	1.687

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1891	21842.9	17.1435	0.679	0.498	1.578	0.011	0.006	1.689
1892	21876.4	17.1729	0.677	0.497	1.579	0.011	0.006	1.691
1893	21909.9	17.2024	0.676	0.497	1.579	0.011	0.006	1.693
1894	21943.5	17.2319	0.674	0.496	1.580	0.011	0.006	1.695
1895	21977.2	17.2614	0.672	0.495	1.580	0.011	0.006	1.697
1896	22010.8	17.2910	0.671	0.494	1.581	0.011	0.006	1.699
1897	22044.6	17.3207	0.669	0.493	1.581	0.011	0.006	1.701
1898	22078.3	17.3504	0.668	0.492	1.582	0.011	0.006	1.686
1899	22112.2	17.3801	0.666	0.491	1.582	0.011	0.006	1.667
1900	22146.1	17.4099	0.665	0.490	1.583	0.011	0.006	1.660
1901	22180.0	17.4397	0.664	0.489	1.583	0.011	0.006	1.662
1902	22214.0	17.4696	0.662	0.489	1.584	0.011	0.006	1.664
1903	22248.0	17.4995	0.661	0.488	1.584	0.011	0.006	1.666
1904	22282.1	17.5295	0.659	0.487	1.585	0.011	0.005	1.668
1905	22316.2	17.5595	0.658	0.486	1.585	0.011	0.005	1.670
1906	22350.4	17.5895	0.656	0.485	1.586	0.010	0.005	1.671
1907	22384.6	17.6196	0.655	0.484	1.586	0.010	0.005	1.673
1908	22418.9	17.6498	0.653	0.483	1.587	0.010	0.005	1.675
1909	22453.2	17.6800	0.652	0.482	1.587	0.010	0.005	1.677
1910	22487.6	17.7102	0.650	0.482	1.588	0.010	0.005	1.679
1911	22522.1	17.7405	0.649	0.481	1.588	0.010	0.005	1.681
1912	22556.6	17.7708	0.647	0.480	1.589	0.010	0.005	1.682
1913	22591.1	17.8012	0.646	0.479	1.589	0.010	0.005	1.684
1914	22625.7	17.8316	0.644	0.478	1.590	0.010	0.005	1.686
1915	22660.3	17.8621	0.643	0.477	1.590	0.010	0.005	1.688
1916	22695.0	17.8926	0.642	0.476	1.590	0.010	0.005	1.690
1917	22729.8	17.9232	0.640	0.476	1.591	0.010	0.005	1.692
1918	22764.6	17.9538	0.639	0.475	1.591	0.010	0.005	1.694
1919	22799.4	17.9844	0.637	0.474	1.592	0.010	0.005	1.695
1920	22834.3	18.0151	0.636	0.473	1.592	0.010	0.005	1.697
1921	22869.3	18.0459	0.634	0.472	1.593	0.010	0.005	1.699
1922	22904.3	18.0767	0.633	0.471	1.593	0.010	0.005	1.701
1923	22939.3	18.1075	0.632	0.470	1.594	0.010	0.005	1.703
1924	22974.4	18.1384	0.630	0.470	1.594	0.010	0.005	1.705
1925	23009.6	18.1694	0.629	0.469	1.595	0.010	0.005	1.708
1926	23044.8	18.2003	0.627	0.468	1.595	0.010	0.005	1.710
1927	23080.1	18.2314	0.626	0.467	1.596	0.010	0.005	1.712
1928	23115.4	18.2625	0.624	0.466	1.596	0.010	0.005	1.714
1929	23150.7	18.2936	0.623	0.465	1.597	0.009	0.005	1.716
1930	23186.2	18.3248	0.622	0.465	1.597	0.009	0.005	1.701
1931	23221.6	18.3560	0.620	0.464	1.598	0.009	0.005	1.681
1932	23257.2	18.3873	0.619	0.463	1.598	0.009	0.005	1.672
1933	23292.7	18.4186	0.618	0.462	1.599	0.009	0.005	1.674
1934	23328.4	18.4499	0.616	0.461	1.599	0.009	0.005	1.676
1935	23364.1	18.4814	0.615	0.460	1.600	0.009	0.005	1.678

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1936	23399.8	18.5128	0.613	0.459	1.600	0.009	0.005	1.680
1937	23435.6	18.5443	0.612	0.459	1.601	0.009	0.005	1.682
1938	23471.4	18.5759	0.611	0.458	1.601	0.009	0.005	1.684
1939	23507.3	18.6075	0.609	0.457	1.601	0.009	0.005	1.686
1940	23543.3	18.6391	0.608	0.456	1.602	0.009	0.005	1.688
1941	23579.3	18.6708	0.607	0.455	1.602	0.009	0.005	1.690
1942	23615.3	18.7026	0.605	0.454	1.603	0.009	0.005	1.692
1943	23651.4	18.7344	0.604	0.454	1.603	0.009	0.005	1.694
1944	23687.6	18.7662	0.602	0.453	1.604	0.009	0.005	1.695
1945	23723.8	18.7981	0.601	0.452	1.604	0.009	0.005	1.697
1946	23760.1	18.8301	0.600	0.451	1.605	0.009	0.005	1.699
1947	23796.4	18.8621	0.598	0.450	1.605	0.009	0.005	1.701
1948	23832.8	18.8941	0.597	0.450	1.606	0.009	0.005	1.703
1949	23869.2	18.9262	0.596	0.449	1.606	0.009	0.005	1.705
1950	23905.7	18.9583	0.594	0.448	1.606	0.009	0.005	1.707
1951	23942.3	18.9905	0.593	0.447	1.607	0.009	0.005	1.709
1952	23978.9	19.0228	0.592	0.446	1.607	0.009	0.005	1.711
1953	24015.5	19.0551	0.590	0.445	1.608	0.009	0.005	1.714
1954	24052.2	19.0874	0.589	0.445	1.608	0.008	0.004	1.716
1955	24089.0	19.1198	0.588	0.444	1.609	0.008	0.004	1.718
1956	24125.8	19.1522	0.586	0.443	1.609	0.008	0.004	1.720
1957	24162.7	19.1847	0.585	0.442	1.610	0.008	0.004	1.722
1958	24199.6	19.2172	0.584	0.441	1.610	0.008	0.004	1.724
1959	24236.6	19.2498	0.582	0.441	1.611	0.008	0.004	1.727
1960	24273.6	19.2824	0.581	0.440	1.611	0.008	0.004	1.729
1961	24310.7	19.3151	0.580	0.439	1.612	0.008	0.004	1.713
1962	24347.8	19.3479	0.579	0.438	1.612	0.008	0.004	1.691
1963	24385.0	19.3806	0.577	0.437	1.613	0.008	0.004	1.682
1964	24422.3	19.4135	0.576	0.437	1.613	0.008	0.004	1.684
1965	24459.6	19.4463	0.575	0.436	1.613	0.008	0.004	1.686
1966	24496.9	19.4793	0.573	0.435	1.614	0.008	0.004	1.688
1967	24534.4	19.5123	0.572	0.434	1.614	0.008	0.004	1.690
1968	24571.8	19.5453	0.571	0.433	1.615	0.008	0.004	1.692
1969	24609.4	19.5784	0.569	0.433	1.615	0.008	0.004	1.694
1970	24647.0	19.6115	0.568	0.432	1.616	0.008	0.004	1.696
1971	24684.6	19.6447	0.567	0.431	1.616	0.008	0.004	1.698
1972	24722.3	19.6779	0.566	0.430	1.617	0.008	0.004	1.700
1973	24760.0	19.7112	0.564	0.429	1.617	0.008	0.004	1.703
1974	24797.9	19.7445	0.563	0.429	1.617	0.008	0.004	1.705
1975	24835.7	19.7779	0.562	0.428	1.618	0.008	0.004	1.707
1976	24873.6	19.8114	0.561	0.427	1.618	0.008	0.004	1.709
1977	24911.6	19.8449	0.559	0.426	1.619	0.008	0.004	1.711
1978	24949.7	19.8784	0.558	0.425	1.619	0.008	0.004	1.713
1979	24987.8	19.9120	0.557	0.425	1.620	0.008	0.004	1.715
1980	25025.9	19.9456	0.556	0.424	1.620	0.008	0.004	1.717

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1981	25064.1	19.9793	0.554	0.423	1.620	0.007	0.004	1.719
1982	25102.4	20.0131	0.553	0.422	1.621	0.007	0.004	1.721
1983	25140.7	20.0469	0.552	0.421	1.621	0.007	0.004	1.724
1984	25179.1	20.0807	0.551	0.421	1.622	0.007	0.004	1.726
1985	25217.5	20.1146	0.549	0.420	1.622	0.007	0.004	1.728
1986	25256.0	20.1485	0.548	0.419	1.623	0.007	0.004	1.730
1987	25294.5	20.1825	0.547	0.418	1.623	0.007	0.004	1.732
1988	25333.1	20.2166	0.546	0.418	1.623	0.007	0.004	1.735
1989	25371.8	20.2507	0.544	0.417	1.624	0.007	0.004	1.737
1990	25410.5	20.2849	0.543	0.416	1.624	0.007	0.004	1.739
1991	25449.3	20.3191	0.542	0.415	1.625	0.007	0.004	1.741
1992	25488.1	20.3533	0.541	0.414	1.625	0.007	0.004	1.744
1993	25527.0	20.3876	0.539	0.414	1.626	0.007	0.004	1.725
1994	25566.0	20.4220	0.538	0.413	1.626	0.007	0.004	1.703
1995	25605.0	20.4564	0.537	0.412	1.627	0.007	0.004	1.694
1996	25644.0	20.4909	0.536	0.411	1.627	0.007	0.004	1.696
1997	25683.2	20.5254	0.535	0.411	1.627	0.007	0.004	1.698
1998	25722.3	20.5600	0.533	0.410	1.628	0.007	0.004	1.701
1999	25761.6	20.5946	0.532	0.409	1.628	0.007	0.004	1.703
2000	25800.9	20.6293	0.531	0.408	1.629	0.007	0.004	1.705
2001	25840.2	20.6640	0.530	0.408	1.629	0.007	0.004	1.707
2002	25879.7	20.6988	0.529	0.407	1.630	0.007	0.004	1.709
2003	25919.1	20.7336	0.527	0.406	1.630	0.007	0.004	1.711
2004	25958.7	20.7685	0.526	0.405	1.630	0.007	0.004	1.714
2005	25998.3	20.8035	0.525	0.405	1.631	0.007	0.004	1.716
2006	26037.9	20.8385	0.524	0.404	1.631	0.007	0.004	1.718
2007	26077.6	20.8735	0.523	0.403	1.632	0.007	0.004	1.720
2008	26117.4	20.9086	0.521	0.402	1.632	0.007	0.004	1.722
2009	26157.2	20.9438	0.520	0.401	1.632	0.007	0.004	1.725
2010	26197.1	20.9790	0.519	0.401	1.633	0.007	0.004	1.727
2011	26237.0	21.0143	0.518	0.400	1.633	0.007	0.004	1.729
2012	26277.0	21.0496	0.517	0.399	1.634	0.007	0.004	1.731
2013	26317.1	21.0850	0.516	0.398	1.634	0.006	0.004	1.733
2014	26357.2	21.1204	0.514	0.398	1.634	0.006	0.004	1.736
2015	26397.4	21.1559	0.513	0.397	1.635	0.006	0.004	1.738
2016	26437.7	21.1914	0.512	0.396	1.635	0.006	0.003	1.740
2017	26478.0	21.2270	0.511	0.395	1.636	0.006	0.003	1.742
2018	26518.3	21.2626	0.510	0.395	1.636	0.006	0.003	1.745
2019	26558.7	21.2983	0.509	0.394	1.636	0.006	0.003	1.747
2020	26599.2	21.3341	0.505	0.393	1.637	0.006	0.003	1.749
2021	26639.8	21.3699	0.506	0.393	1.637	0.006	0.003	1.752
2022	26680.4	21.4057	0.505	0.392	1.638	0.006	0.003	1.754
2023	26721.0	21.4416	0.504	0.391	1.638	0.006	0.003	1.754
2024	26761.8	21.4776	0.503	0.390	1.639	0.006	0.003	1.733
2025	26802.5	21.5136	0.502	0.390	1.639	0.006	0.003	1.710

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
2026	26843.4	21.5497	0.501	0.389	1.639	0.006	0.003	1.705
2027	26884.3	21.5858	0.499	0.388	1.640	0.006	0.003	1.707
2028	26925.3	21.6220	0.498	0.387	1.640	0.006	0.003	1.709
2029	26966.3	21.6583	0.497	0.387	1.641	0.006	0.003	1.711
2030	27007.4	21.6946	0.496	0.386	1.641	0.006	0.003	1.714
2031	27048.5	21.7309	0.495	0.385	1.641	0.006	0.003	1.716
2032	27089.7	21.7673	0.494	0.384	1.642	0.006	0.003	1.718
2033	27131.0	21.8038	0.493	0.384	1.642	0.006	0.003	1.720
2034	27172.3	21.8403	0.492	0.383	1.643	0.006	0.003	1.723
2035	27213.7	21.8769	0.490	0.382	1.643	0.006	0.003	1.725
2036	27255.2	21.9135	0.489	0.381	1.643	0.006	0.003	1.727
2037	27296.7	21.9502	0.488	0.381	1.644	0.006	0.003	1.730
2038	27338.3	21.9869	0.487	0.380	1.644	0.006	0.003	1.732
2039	27379.9	22.0237	0.486	0.379	1.644	0.006	0.003	1.734
2040	27421.6	22.0606	0.485	0.379	1.645	0.006	0.003	1.736
2041	27463.4	22.0975	0.484	0.378	1.645	0.006	0.003	1.739
2042	27505.2	22.1345	0.483	0.377	1.646	0.006	0.003	1.741
2043	27547.1	22.1715	0.482	0.376	1.646	0.006	0.003	1.743
2044	27589.1	22.2086	0.481	0.376	1.646	0.006	0.003	1.746
2045	27631.1	22.2457	0.479	0.375	1.647	0.006	0.003	1.748
2046	27673.2	22.2829	0.478	0.374	1.647	0.006	0.003	1.750
2047	27715.3	22.3201	0.477	0.374	1.647	0.006	0.003	1.753
2048	27757.5	22.3574	0.476	0.373	1.648	0.006	0.003	1.755
2049	27799.8	22.3948	0.475	0.372	1.648	0.006	0.003	1.757
2050	27842.1	22.4322	0.474	0.371	1.649	0.005	0.003	1.760
2051	27884.5	22.4697	0.473	0.371	1.649	0.005	0.003	1.762
2052	27926.9	22.5072	0.472	0.370	1.649	0.005	0.003	1.765
2053	27969.5	22.5448	0.471	0.369	1.650	0.005	0.003	1.760
2054	28012.0	22.5824	0.470	0.369	1.650	0.005	0.003	1.735
2055	28054.7	22.6201	0.469	0.368	1.651	0.005	0.003	1.713
2056	28097.4	22.6579	0.468	0.367	1.651	0.005	0.003	1.713
2057	28140.1	22.6957	0.466	0.366	1.651	0.005	0.003	1.716
2058	28183.0	22.7336	0.465	0.366	1.652	0.005	0.003	1.718
2059	28225.9	22.7715	0.464	0.365	1.652	0.005	0.003	1.720
2060	28268.8	22.8095	0.463	0.364	1.652	0.005	0.003	1.723
2061	28311.9	22.8475	0.462	0.364	1.653	0.005	0.003	1.725
2062	28355.0	22.8856	0.461	0.363	1.653	0.005	0.003	1.727
2063	28398.1	22.9238	0.460	0.362	1.654	0.005	0.003	1.730
2064	28441.3	22.9620	0.459	0.362	1.654	0.005	0.003	1.732
2065	28484.6	23.0003	0.458	0.361	1.654	0.005	0.003	1.734
2066	28528.0	23.0386	0.457	0.360	1.655	0.005	0.003	1.737
2067	28571.4	23.0770	0.456	0.359	1.655	0.005	0.003	1.739
2068	28614.8	23.1155	0.455	0.359	1.655	0.005	0.003	1.741
2069	28658.4	23.1540	0.454	0.358	1.656	0.005	0.003	1.744
2070	28702.0	23.1926	0.453	0.357	1.656	0.005	0.003	1.746

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
2071	28745.6	23.2312	0.452	0.357	1.656	0.005	0.003	1.749
2072	28789.4	23.2699	0.451	0.356	1.657	0.005	0.003	1.751
2073	28833.2	23.3086	0.450	0.355	1.657	0.005	0.003	1.753
2074	28877.0	23.3474	0.449	0.355	1.657	0.005	0.003	1.756
2075	28921.0	23.3863	0.448	0.354	1.658	0.005	0.003	1.758
2076	28965.0	23.4252	0.447	0.353	1.658	0.005	0.003	1.761
2077	29009.0	23.4642	0.446	0.353	1.658	0.005	0.003	1.763
2078	29053.2	23.5032	0.445	0.352	1.659	0.005	0.003	1.765
2079	29097.3	23.5423	0.444	0.351	1.659	0.005	0.003	1.768
2080	29141.6	23.5815	0.443	0.350	1.660	0.005	0.003	1.770
2081	29185.9	23.6207	0.442	0.350	1.660	0.005	0.003	1.773
2082	29230.3	23.6600	0.441	0.349	1.660	0.005	0.003	1.775
2083	29274.8	23.6993	0.440	0.348	1.661	0.005	0.003	1.762
2084	29319.3	23.7387	0.439	0.348	1.661	0.005	0.003	1 736
2085	29363.9	23.7782	0.438	0.347	1.661	0.005	0.003	1.720
2086	29408.5	23.8177	0.437	0.346	1.662	0.005	0.003	1.723
2087	29453.3	23.8573	0.436	0.346	1.662	0.005	0.003	1.725
2088	29498.0	23.8969	0.435	0.345	1.662	0.005	0.003	1.727
2089	29542.9	23.9366	0.434	0.344	1.663	0.005	0.003	1.730
2090	29587.8	23.9764	0.433	0.344	1.663	0.005	0.003	1.732
2091	29632.8	24.0162	0.432	0.343	1.663	0.005	0.003	1.735
2092	29677.9	24.0561	0.431	0.342	1.664	0.005	0.003	1.737
2093	29723.0	24.0960	0.430	0.342	1.664	0.005	0.003	1.739
2094	29768.2	24.1360	0.429	0.341	1.664	0.004	0.003	1.742
2095	29813.4	24.1760	0.428	0.340	1.665	0.004	0.003	1.744
2096	29858.7	24.2162	0.427	0.340	1.665	0.004	0.003	1.747
2097	29904.1	24.2563	0.426	0.339	1.665	0.004	0.003	1.749
2098	29949.6	24.2966	0.425	0.338	1.666	0.004	0.002	1.751
2099	29995.1	24.3369	0.424	0.338	1.666	0.004	0.002	1.754
2100	30040.7	24.3773	0.423	0.337	1.666	0.004	0.002	1.756
2101	30086.4	24.4177	0.422	0.336	1.667	0.004	0.002	1.759
2102	30132.1	24.4582	0.421	0.336	1.667	0.004	0.002	1.761
2103	30177.9	24.4987	0.420	0.335	1.667	0.004	0.002	1.764
2104	30223.7	24.5393	0.419	0.334	1.668	0.004	0.002	1.766
2105	30269.7	24.5800	0.418	0.334	1.668	0.004	0.002	1.769
2106	30315.7	24.6207	0.417	0.333	1.668	0.004	0.002	1.771
2107	30361.8	24.6615	0.416	0.332	1.669	0.004	0.002	1.773
2108	30407.9	24.7024	0.415	0.332	1.669	0.004	0.002	1.776
2109	30454.1	24.7433	0.414	0.331	1.669	0.004	0.002	1.778
2110	30500.4	24.7843	0.413	0.330	1.670	0.004	0.002	1.781
2111	30546.7	24.8253	0.412	0.330	1.670	0.004	0.002	1.784
2112	30593.1	24.8664	0.411	0.329	1.670	0.004	0.002	1.785
2113	30639.6	24.9076	0.410	0.328	1.671	0.004	0.002	1.763
2114	30686.2	24.9488	0.409	0.328	1.671	0.004	0.002	1.736
2115	30732.8	24.9901	0.408	0.327	1.671	0.004	0.002	1.730

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
2116	30779.5	25.0315	0.408	0.326	1.671	0.004	0.002	1.732
2117	30826.2	25.0729	0.407	0.326	1.672	0.004	0.002	1.735
2118	30873.1	25.1144	0.406	0.325	1.672	0.004	0.002	1.737
2119	30920.0	25.1559	0.405	0.324	1.672	0.004	0.002	1.740
2120	30966.9	25.1975	0.404	0.324	1.673	0.004	0.002	1.742
2121	31014.0	25.2392	0.403	0.323	1.673	0.004	0.002	1.745
2122	31061.1	25.2809	0.402	0.323	1.673	0.004	0.002	1.747
2123	31108.3	25.3227	0.401	0.322	1.674	0.004	0.002	1.749
2124	31155.5	25.3646	0.400	0.321	1.674	0.004	0.002	1.752
2125	31202.8	25.4065	0.399	0.321	1.674	0.004	0.002	1.754
2126	31250.2	25.4485	0.398	0.320	1.674	0.004	0.002	1.757
2127	31297.7	25.4905	0.397	0.319	1.675	0.004	0.002	1.759
2128	31345.2	25.5326	0.396	0.319	1.675	0.004	0.002	1.762
2129	31392.8	25.5748	0.395	0.318	1.675	0.004	0.002	1.764
2130	31440.5	25.6171	0.395	0.317	1.676	0.004	0.002	1.767
2131	31488.2	25.6594	0.394	0.317	1.676	0.004	0.002	1.769
2132	31536.0	25.7017	0.393	0.316	1.676	0.004	0.002	1.772
2133	31583.9	25.7442	0.392	0.315	1.676	0.004	0.002	1.774
2134	31631.9	25.7867	0.391	0.315	1.677	0.004	0.002	1.777
2135	31679.9	25.8292	0.390	0.314	1.677	0.004	0.002	1.779
2136	31728.0	25.8719	0.389	0.314	1.677	0.004	0.002	1.782
2137	31776.2	25.9145	0.388	0.313	1.678	0.004	0.002	1.784
2138	31824.4	25.9573	0.387	0.312	1.678	0.004	0.002	1.787
2139	31872.7	26.0001	0.386	0.312	1.678	0.004	0.002	1.789
2140	31921.1	26.0430	0.386	0.311	1.678	0.004		
2141	31969.6	26.0860	0.385	0.310	1.679	0.004		
2142	32018.1	26.1290	0.384	0.310	1.679	0.004		
2143	32066.7	26.1721	0.383			0.004		
2144	32115.4	26.2152	0.382			0.004		
2145	32164.1	26.2584	0.381			0.004		
2146	32212.9	26.3017	0.380			0.004		
2147	32261.8	26.3450	0.379			0.004		
2148	32310.8	26.3884	0.378			0.004		
2149	32359.8	26.4319	0.378			0.003		
2150	32408.9	26.4754	0.377			0.003		
2151	32458.1	26.5191	0.376			0.003		
2152	32507.4	26.5627	0.375			0.003		
2153	32556.7	26.6065	0.374			0.003		
2154	32606.1	26.6503	0.373			0.003		
2155	32655.6	26.6941	0.372			0.003		
2156	32705.2	26.7381	0.371			0.003		
2157	32754.8	26.7821	0.371			0.003		
2158	32804.5	26.8262	0.370			0.003		
2159	32854.3	26.8703	0.369			0.003		
2160	32904.1	26.9145	0.368			0.003		

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
2161	32954.0	26.9588	0.367			0.003		
2162	33004.0	27.0031	0.366			0.003		
2163	33054.1	27.0475	0.365			0.003		
2164	33104.2	27.0920	0.365			0.003		
2165	33154.4	27.1365	0.364			0.003		
2166	33204.7	27.1811	0.363			0.003		
2167	33255.1	27.2258	0.362			0.003		
2168	33305.6	27.2705	0.361			0.003		
2169	33356.1	27.3154	0.360			0.003		
2170	33406.7	27.3602	0.360			0.003		
2171	33457.3	27.4052	0.359			0.003		
2172	33508.1	27.4502	0.358			0.003		
2173	33558.9	27.4953	0.357			0.003		
2174	33609.8	27.5404	0.356			0.003		
2175	33660.8	27.5856	0.355			0.003		
2176	33711.8	27.6309	0.355			0.003		
2177	33762.9	27.6763	0.354			0.003		
2178	33814.1	27.7217	0.353			0.003		
2179	33865.4	27.7672	0.352			0.003		
2180	33916.8	27.8128	0.347			0.003		

Table 6. Reflected blast properties at ground level for a 40-KT burst at 1710-ft altitude.

(CASE 5)

REFLECT-4A RUN 84-2

REFLECT-4B RUN 84-2

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1	35.0	0.4852		10.104	0.436		0.004	0.936
2	50.0	0.4854		10.121	0.437		0.006	0.936
3	100.0	0.4866		10.150	0.443		0.019	0.536
4	200.0	0.4914		10.122	0.452		0.074	0.530
5	300.0	0.4995		9.990	0.460		0.161	0.597
6	400.0	0.5107		9.781	0.467		0.273	0.638
7	500.0	0.5247		9.512	0.474		0.402	0.667
8	600.0	0.5429		9.195	0.479		0.539	0.687
9	700.0	0.5635		8.845	0.486		0.676	0.704
10	800.0	0.5872		8.473	0.493		0.805	0.718
11	900.0	0.6134		8.091	0.502		0.921	0.731
12	1000.0	0.6426		7.705	0.511		1.020	0.744
13	1100.0	0.6746		7.326	0.520		1.100	0.757
14	1200.0	0.7097		6.958	0.529		1.155	0.769
15	1282.9	0.7411	46.219	6.668	0.535	12.068	1.170	0.773
16	1286.8	0.7426	46.093	6.656	0.536	12.071	1.170	0.772
17	1290.8	0.7441	45.968	6.644	0.536	12.075	1.170	0.772
18	1294.8	0.7456	45.854	6.631	0.536	12.125	1.170	0.772
19	1298.7	0.7471	45.775	6.619	0.537	12.173	1.170	0.772
20	1302.7	0.7487	45.690	6.607	0.537	12.201	1.171	0.772
21	1306.7	0.7502	45.590	6.595	0.537	12.215	1.171	0.772
22	1310.7	0.7517	45.481	6.583	0.538	12.226	1.171	0.773
23	1314.7	0.7533	45.369	6.571	0.538	12.235	1.171	0.774
24	1318.7	0.7549	45.255	6.559	0.538	12.242	1.171	0.776
25	1322.8	0.7564	45.136	6.546	0.539	12.252	1.172	0.779
26	1326.8	0.7580	45.038	6.534	0.539	12.310	1.172	0.780
27	1330.8	0.7596	44.964	6.522	0.540	12.355	1.172	0.782
28	1334.9	0.7612	44.882	6.510	0.540	12.385	1.172	0.782
29	1339.0	0.7628	44.788	6.498	0.540	12.405	1.172	0.782
30	1343.0	0.7644	44.688	6.486	0.541	12.420	1.173	0.783
31	1347.1	0.7660	44.582	6.474	0.541	12.431	1.173	0.782
32	1351.2	0.7676	44.473	6.462	0.541	12.439	1.173	0.782
33	1355.3	0.7693	44.359	6.449	0.542	12.470	1.174	0.782
34	1359.4	0.7709	44.283	6.437	0.542	12.528	1.174	0.782
35	1363.6	0.7726	44.211	6.425	0.543	12.567	1.174	0.781
36	1367.7	0.7742	44.129	6.413	0.543	12.595	1.174	0.781
37	1371.8	0.7759	44.037	6.401	0.543	12.614	1.175	0.780
38	1376.0	0.7776	43.939	6.389	0.544	12.629	1.175	0.780
39	1380.2	0.7792	43.837	6.377	0.544	12.640	1.175	0.779
40	1384.3	0.7809	43.727	6.365	0.544	12.654	1.176	0.779
41	1388.5	0.7826	43.640	6.353	0.545	12.714	1.176	0.778
42	1392.7	0.7843	43.575	6.341	0.545	12.762	1.176	0.778
43	1396.9	0.7860	43.502	6.329	0.546	12.796	1.176	0.778
44	1401.1	0.7878	43.418	6.317	0.546	12.820	1.176	0.778
45	1405.4	0.7895	43.328	6.305	0.546	12.839	1.177	0.778

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
46	1409.6	0.7912	43.232	6.293	0.547	12.853	1.177	0.779
47	1413.9	0.7930	43.130	6.281	0.547	12.865	1.177	0.780
48	1416.0	0.7939	43.078	6.275	0.547	12.890	1.177	0.780
49	1416.5	0.7940	43.162	6.276	0.547	12.997	1.178	0.781
50	1417.7	0.7945	43.227	6.273	0.547	13.067	1.178	0.781
51	1418.9	0.7950	43.260	6.270	0.548	13.134	1.178	0.782
52	1420.1	0.7955	43.282	6.266	0.548	13.188	1.178	0.783
53	1421.3	0.7960	43.289	6.263	0.548	13.216	1.178	0.784
54	1422.4	0.7965	43.287	6.260	0.548	13.236	1.179	0.784
55	1423.6	0.7969	43.278	6.256	0.548	13.251	1.179	0.785
56	1424.8	0.7974	43.264	6.253	0.548	13.264	1.179	0.786
57	1426.0	0.7979	43.247	6.250	0.548	13.274	1.179	0.786
58	1427.2	0.7984	43.228	6.246	0.548	13.283	1.179	0.787
59	1428.4	0.7989	43.207	6.243	0.548	13.291	1.179	0.787
60	1429.6	0.7994	43.184	6.240	0.549	13.297	1.179	0.788
61	1430.8	0.7999	43.160	6.236	0.549	13.303	1.180	0.788
62	1432.0	0.8004	43.135	6.233	0.549	13.308	1.180	0.788
63	1433.2	0.8009	43.110	6.230	0.549	13.313	1.180	0.789
64	1434.4	0.8014	43.084	6.226	0.549	13.317	1.180	0.789
65	1435.6	0.8019	43.058	6.223	0.549	13.321	1.180	0.789
66	1436.8	0.8024	43.032	6.220	0.549	13.325	1.180	0.789
67	1438.0	0.8029	43.005	6.216	0.549	13.328	1.180	0.789
68	1439.2	0.8034	42.978	6.213	0.549	13.332	1.181	0.789
69	1440.4	0.8039	42.951	6.210	0.550	13.335	1.181	0.790
70	1441.6	0.8044	42.924	6.206	0.550	13.338	1.181	0.790
71	1442.8	0.8049	42.896	6.203	0.550	13.341	1.181	0.790
72	1444.0	0.8054	42.871	6.200	0.550	13.389	1.181	0.790
73	1445.2	0.8059	42.891	6.196	0.550	13.446	1.181	0.790
74	1446.4	0.8064	42.909	6.193	0.550	13.488	1.182	0.790
75	1447.6	0.8069	42.916	6.189	0.550	13.520	1.182	0.790
76	1448.8	0.8074	42.915	6.186	0.550	13.543	1.182	0.790
77	1450.0	0.8079	42.907	6.183	0.550	13.562	1.182	0.790
78	1451.2	0.8085	42.895	6.179	0.551	13.577	1.182	0.790
79	1452.4	0.8090	42.880	6.176	0.551	13.589	1.182	0.790
80	1453.6	0.8095	42.863	6.173	0.551	13.599	1.182	0.790
81	1454.8	0.8100	42.843	6.169	0.551	13.608	1.183	0.789
82	1456.1	0.8105	42.823	6.166	0.551	13.616	1.183	0.789
83	1457.3	0.8110	42.801	6.163	0.551	13.624	1.183	0.789
84	1458.5	0.8115	42.778	6.159	0.551	13.630	1.183	0.789
85	1459.7	0.8120	42.755	6.156	0.551	13.636	1.183	0.789
86	1460.9	0.8125	42.732	6.153	0.551	13.642	1.183	0.789
87	1462.1	0.8131	42.707	6.149	0.551	13.647	1.184	0.789
88	1463.4	0.8136	42.683	6.146	0.552	13.653	1.184	0.789
89	1464.6	0.8141	42.658	6.143	0.552	13.657	1.184	0.789
90	1465.8	0.8146	42.633	6.139	0.552	13.662	1.184	0.789

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
91	1467.0	0.8151	42.608	6.136	0.552	13.667	1.184	0.788
92	1468.2	0.8156	42.583	6.133	0.552	13.671	1.184	0.788
93	1469.5	0.8162	42.558	6.129	0.552	13.675	1.184	0.788
94	1470.7	0.8167	42.532	6.126	0.552	13.679	1.185	0.788
95	1471.9	0.8172	42.507	6.123	0.552	13.684	1.185	0.788
96	1473.1	0.8177	42.476	6.119	0.552	13.707	1.185	0.788
97	1474.4	0.8182	42.480	6.116	0.553	13.766	1.185	0.788
98	1475.6	0.8188	42.505	6.112	0.553	13.820	1.185	0.788
99	1476.8	0.8193	42.521	6.109	0.553	13.861	1.185	0.787
100	1478.0	0.8198	42.528	6.106	0.553	13.892	1.186	0.787
101	1479.3	0.8203	42.528	6.102	0.553	13.917	1.186	0.787
102	1480.5	0.8209	42.522	6.099	0.553	13.937	1.186	0.787
103	1481.7	0.8214	42.513	6.096	0.553	13.954	1.186	0.787
104	1483.0	0.8219	42.501	6.092	0.553	13.969	1.186	0.787
105	1484.2	0.8225	42.487	6.089	0.553	13.982	1.186	0.787
106	1485.4	0.8230	42.471	6.086	0.554	13.994	1.186	0.787
107	1486.7	0.8235	42.453	6.082	0.554	14.004	1.187	0.787
108	1487.9	0.8240	42.435	6.079	0.554	14.014	1.187	0.786
109	1489.1	0.8246	42.415	6.076	0.554	14.023	1.187	0.786
110	1490.4	0.8251	42.395	6.072	0.554	14.031	1.187	0.786
111	1491.6	0.8256	42.375	6.069	0.554	14.039	1.187	0.786
112	1492.9	0.8262	42.354	6.066	0.554	14.047	1.187	0.786
113	1494.1	0.8267	42.332	6.062	0.554	14.054	1.187	0.786
114	1495.4	0.8272	42.311	6.059	0.554	14.061	1.188	0.786
115	1496.6	0.8278	42.289	6.056	0.554	14.068	1.188	0.786
116	1497.8	0.8283	42.267	6.052	0.555	14.074	1.188	0.786
117	1499.1	0.8288	42.244	6.049	0.555	14.081	1.188	0.786
118	1500.0	0.8292	42.228	6.047	0.555	14.085	1.188	0.786
119	1500.0	0.8292	42.222	6.046	0.555	14.084	1.188	0.786
120	1500.6	0.8295	42.209	6.045	0.555	14.083	1.188	0.786
121	1501.2	0.8297	42.207	6.043	0.555	14.101	1.188	0.786
122	1501.8	0.8300	42.206	6.042	0.555	14.113	1.188	0.786
123	1502.4	0.8303	42.244	6.040	0.555	14.177	1.188	0.786
124	1502.9	0.8305	42.279	6.039	0.555	14.247	1.188	0.786
125	1503.5	0.8308	42.309	6.037	0.555	14.293	1.188	0.786
126	1504.1	0.8310	42.331	6.035	0.555	14.327	1.189	0.786
127	1504.7	0.8313	42.347	6.034	0.555	14.357	1.189	0.786
128	1505.3	0.8315	42.359	6.032	0.555	14.384	1.189	0.786
129	1505.9	0.8318	42.371	6.031	0.555	14.406	1.189	0.786
130	1506.5	0.8320	42.380	6.029	0.555	14.425	1.189	0.786
131	1507.0	0.8323	42.385	6.028	0.555	14.441	1.189	0.786
132	1507.6	0.8325	42.388	6.026	0.555	14.456	1.189	0.786
133	1508.2	0.8328	42.389	6.024	0.555	14.468	1.189	0.786
134	1508.8	0.8330	42.389	6.023	0.556	14.480	1.189	0.786
135	1509.4	0.8333	42.387	6.021	0.556	14.491	1.189	0.786

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
136	1510.0	0.8335	42.385	6.020	0.556	14.500	1.189	0.786
137	1510.6	0.8338	42.382	6.018	0.556	14.510	1.189	0.786
138	1511.1	0.8341	42.378	6.017	0.556	14.518	1.189	0.786
139	1511.7	0.8343	42.374	6.015	0.556	14.526	1.190	0.786
140	1512.3	0.8346	42.369	6.013	0.556	14.534	1.190	0.786
141	1512.9	0.8348	42.363	6.012	0.556	14.541	1.190	0.786
142	1513.5	0.8351	42.358	6.010	0.556	14.548	1.190	0.786
143	1514.1	0.8353	42.352	6.009	0.556	14.555	1.190	0.787
144	1514.7	0.8356	42.345	6.007	0.556	14.561	1.190	0.787
145	1515.3	0.8358	42.339	6.006	0.556	14.568	1.190	0.787
146	1515.9	0.8361	42.332	6.004	0.556	14.574	1.190	0.787
147	1516.5	0.8364	42.325	6.003	0.556	14.580	1.190	0.787
148	1517.0	0.8366	42.318	6.001	0.556	14.586	1.190	0.787
149	1517.6	0.8369	42.310	5.999	0.556	14.592	1.190	0.787
150	1518.2	0.8371	42.303	5.998	0.556	14.598	1.190	0.788
151	1518.8	0.8374	42.296	5.996	0.556	14.603	1.190	0.788
152	1519.4	0.8377	42.288	5.995	0.556	14.609	1.190	0.788
153	1520.0	0.8379	42.280	5.993	0.557	14.614	1.191	0.788
154	1520.6	0.8382	42.272	5.992	0.557	14.620	1.191	0.788
155	1521.2	0.8384	42.265	5.990	0.557	14.625	1.191	0.789
156	1521.8	0.8387	42.257	5.988	0.557	14.630	1.191	0.789
157	1522.4	0.8390	42.249	5.987	0.557	14.635	1.191	0.789
158	1523.0	0.8392	42.241	5.985	0.557	14.640	1.191	0.789
159	1523.6	0.8395	42.232	5.984	0.557	14.645	1.191	0.790
160	1524.2	0.8397	42.224	5.982	0.557	14.651	1.191	0.790
161	1524.8	0.8400	42.216	5.981	0.557	14.656	1.191	0.790
162	1525.4	0.8403	42.208	5.979	0.557	14.661	1.191	0.790
163	1526.0	0.8405	42.199	5.977	0.557	14.666	1.191	0.791
164	1526.6	0.8408	42.191	5.976	0.557	14.670	1.191	0.791
165	1527.2	0.8410	42.183	5.974	0.557	14.675	1.191	0.791
166	1527.8	0.8413	42.174	5.973	0.557	14.680	1.191	0.792
167	1528.4	0.8416	42.166	5.971	0.557	14.685	1.192	0.792
168	1529.0	0.8418	42.157	5.970	0.557	14.690	1.192	0.792
169	1529.6	0.8421	42.149	5.968	0.557	14.695	1.192	0.793
170	1530.2	0.8424	42.140	5.966	0.557	14.700	1.192	0.793
171	1530.8	0.8426	42.132	5.965	0.558	14.704	1.192	0.793
172	1531.4	0.8429	42.123	5.963	0.558	14.711	1.192	0.794
173	1532.0	0.8431	42.171	5.962	0.558	14.805	1.192	0.794
174	1532.6	0.8434	42.208	5.960	0.558	14.865	1.192	0.795
175	1533.2	0.8437	42.239	5.958	0.558	14.910	1.192	0.795
176	1533.8	0.8439	42.262	5.957	0.558	14.945	1.192	0.795
177	1534.4	0.8442	42.279	5.955	0.558	14.978	1.192	0.795
178	1535.0	0.8445	42.293	5.954	0.558	15.008	1.192	0.796
179	1535.6	0.8447	42.308	5.952	0.558	15.033	1.192	0.796
180	1536.2	0.8450	42.319	5.950	0.558	15.055	1.193	0.796

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
181	1536.8	0.8453	42.327	5.949	0.558	15.074	1.193	0.796
182	1537.4	0.8455	42.333	5.947	0.558	15.092	1.193	0.796
183	1538.0	0.8458	42.338	5.946	0.558	15.108	1.193	0.797
184	1538.6	0.8461	42.341	5.944	0.558	15.124	1.193	0.797
185	1539.2	0.8463	42.343	5.943	0.558	15.138	1.193	0.797
186	1539.8	0.8466	42.344	5.941	0.558	15.151	1.193	0.797
187	1540.4	0.8469	42.344	5.939	0.558	15.164	1.193	0.797
188	1541.0	0.8471	42.344	5.938	0.558	15.176	1.193	0.798
189	1541.7	0.8474	42.343	5.936	0.559	15.187	1.193	0.798
190	1542.3	0.8477	42.341	5.935	0.559	15.198	1.193	0.798
191	1542.9	0.8479	42.339	5.933	0.559	15.209	1.193	0.798
192	1543.5	0.8482	42.337	5.931	0.559	15.220	1.193	0.798
193	1544.1	0.8485	42.334	5.930	0.559	15.230	1.194	0.798
194	1544.7	0.8487	42.331	5.928	0.559	15.240	1.194	0.798
195	1545.3	0.8490	42.328	5.927	0.559	15.249	1.194	0.798
196	1545.9	0.8493	42.325	5.925	0.559	15.259	1.194	0.798
197	1546.5	0.8495	42.321	5.924	0.559	15.268	1.194	0.798
198	1547.1	0.8498	42.317	5.922	0.559	15.277	1.194	0.798
199	1547.7	0.8501	42.313	5.920	0.559	15.286	1.194	0.798
200	1548.4	0.8504	42.309	5.919	0.559	15.295	1.194	0.799
201	1549.0	0.8506	42.305	5.917	0.559	15.304	1.194	0.799
202	1549.6	0.8509	42.300	5.916	0.559	15.313	1.194	0.799
203	1550.2	0.8512	42.296	5.914	0.559	15.321	1.194	0.799
204	1550.8	0.8514	42.291	5.912	0.559	15.330	1.194	0.799
205	1551.4	0.8517	42.287	5.911	0.559	15.338	1.194	0.799
206	1552.0	0.8520	42.282	5.909	0.559	15.347	1.195	0.799
207	1552.7	0.8522	42.277	5.908	0.559	15.355	1.195	0.799
208	1553.3	0.8525	42.272	5.906	0.560	15.363	1.195	0.799
209	1553.9	0.8528	42.267	5.905	0.560	15.371	1.195	0.799
210	1554.5	0.8531	42.262	5.903	0.560	15.379	1.195	0.799
211	1555.1	0.8533	42.257	5.901	0.560	15.388	1.195	0.799
212	1555.7	0.8536	42.252	5.900	0.560	15.396	1.195	0.799
213	1556.4	0.8539	42.247	5.898	0.560	15.404	1.195	0.799
214	1557.0	0.8542	42.242	5.897	0.560	15.412	1.195	0.799
215	1557.6	0.8544	42.237	5.895	0.560	15.420	1.195	0.799
216	1558.2	0.8547	42.231	5.893	0.560	15.428	1.195	0.799
217	1558.8	0.8550	42.226	5.892	0.560	15.436	1.195	0.799
218	1559.4	0.8553	42.221	5.890	0.560	15.444	1.195	0.799
219	1560.1	0.8555	42.215	5.889	0.560	15.452	1.195	0.799
220	1560.7	0.8558	42.225	5.887	0.560	15.479	1.196	0.799
221	1561.3	0.8561	42.275	5.885	0.560	15.581	1.196	0.799
222	1561.9	0.8564	42.322	5.884	0.560	15.648	1.196	0.799
223	1562.5	0.8566	42.360	5.882	0.560	15.701	1.196	0.799
224	1563.2	0.8569	42.390	5.881	0.560	15.744	1.196	0.799
225	1563.8	0.8572	42.415	5.879	0.560	15.781	1.196	0.799

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
226	1564.4	0.8575	42.435	5.877	0.561	15.818	1.196	0.799
227	1565.0	0.8577	42.451	5.876	0.561	15.851	1.196	0.799
228	1565.6	0.8580	42.467	5.874	0.561	15.881	1.196	0.799
229	1566.3	0.8583	42.482	5.873	0.561	15.908	1.196	0.798
230	1566.9	0.8586	42.496	5.871	0.561	15.934	1.196	0.798
231	1567.5	0.8589	42.507	5.869	0.561	15.958	1.197	0.798
232	1568.1	0.8591	42.517	5.868	0.561	15.980	1.197	0.798
233	1568.8	0.8594	42.526	5.866	0.561	16.001	1.197	0.798
234	1569.4	0.8597	42.534	5.865	0.561	16.021	1.197	0.798
235	1570.0	0.8600	42.540	5.863	0.561	16.041	1.197	0.798
236	1570.6	0.8602	42.546	5.861	0.561	16.060	1.197	0.798
237	1571.3	0.8605	42.552	5.860	0.561	16.078	1.197	0.798
238	1571.9	0.8608	42.556	5.858	0.561	16.095	1.197	0.798
239	1572.5	0.8611	42.561	5.857	0.561	16.113	1.197	0.798
240	1573.1	0.8614	42.564	5.855	0.561	16.130	1.197	0.798
241	1573.8	0.8616	42.568	5.853	0.561	16.146	1.197	0.798
242	1574.4	0.8619	42.571	5.852	0.561	16.162	1.198	0.798
243	1575.0	0.8622	42.574	5.850	0.561	16.178	1.198	0.798
244	1575.6	0.8625	42.576	5.849	0.561	16.194	1.198	0.798
245	1576.3	0.8628	42.578	5.847	0.562	16.209	1.198	0.798
246	1576.9	0.8631	42.580	5.845	0.562	16.224	1.198	0.798
247	1577.5	0.8633	42.582	5.844	0.562	16.240	1.198	0.798
248	1578.2	0.8636	42.584	5.842	0.562	16.254	1.198	0.798
249	1578.8	0.8639	42.585	5.841	0.562	16.269	1.198	0.797
250	1579.4	0.8642	42.587	5.839	0.562	16.284	1.198	0.797
251	1580.1	0.8645	42.588	5.837	0.562	16.298	1.198	0.797
252	1580.7	0.8647	42.589	5.836	0.562	16.313	1.198	0.797
253	1581.3	0.8650	42.590	5.834	0.562	16.327	1.198	0.797
254	1582.0	0.8653	42.591	5.833	0.562	16.342	1.199	0.797
255	1582.6	0.8656	42.591	5.831	0.562	16.356	1.199	0.797
256	1583.2	0.8659	42.592	5.829	0.562	16.370	1.199	0.797
257	1583.9	0.8662	42.593	5.828	0.562	16.384	1.199	0.797
258	1584.5	0.8665	42.593	5.826	0.562	16.398	1.199	0.797
259	1585.1	0.8667	42.594	5.825	0.562	16.412	1.199	0.797
260	1585.8	0.8670	42.594	5.823	0.562	16.426	1.199	0.797
261	1586.4	0.8673	42.595	5.821	0.562	16.440	1.199	0.797
262	1587.0	0.8676	42.595	5.820	0.562	16.454	1.199	0.797
263	1587.7	0.8679	42.596	5.818	0.563	16.468	1.199	0.797
264	1588.3	0.8682	42.596	5.817	0.563	16.482	1.199	0.797
265	1589.0	0.8685	42.596	5.815	0.563	16.496	1.200	0.797
266	1589.6	0.8687	42.609	5.813	0.563	16.516	1.200	0.796
267	1590.2	0.8690	42.676	5.812	0.563	16.645	1.200	0.796
268	1590.9	0.8693	42.739	5.810	0.563	16.734	1.200	0.796
269	1591.5	0.8696	42.793	5.808	0.563	16.806	1.200	0.796
270	1592.1	0.8699	42.838	5.807	0.563	16.867	1.200	0.796

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
271	1592.8	0.8702	42.876	5.805	0.563	16.921	1.200	0.796
272	1593.4	0.8705	42.910	5.804	0.563	16.969	1.200	0.796
273	1594.1	0.8708	42.940	5.802	0.563	17.013	1.200	0.796
274	1594.7	0.8711	42.967	5.800	0.563	17.055	1.200	0.796
275	1595.3	0.8713	42.991	5.799	0.563	17.094	1.201	0.796
276	1596.0	0.8716	43.014	5.797	0.563	17.131	1.201	0.796
277	1596.6	0.8719	43.035	5.796	0.563	17.167	1.201	0.796
278	1597.3	0.8722	43.055	5.794	0.563	17.201	1.201	0.796
279	1597.9	0.8725	43.073	5.792	0.563	17.234	1.201	0.796
280	1598.6	0.8728	43.091	5.791	0.563	17.266	1.201	0.796
281	1599.2	0.8731	43.108	5.789	0.563	17.297	1.201	0.796
282	1599.8	0.8734	43.124	5.787	0.564	17.328	1.201	0.796
283	1600.5	0.8737	43.140	5.786	0.564	17.358	1.201	0.796
284	1601.1	0.8740	43.155	5.784	0.564	17.387	1.202	0.796
285	1601.8	0.8743	43.169	5.783	0.564	17.417	1.202	0.796
286	1602.4	0.8746	43.184	5.781	0.564	17.445	1.202	0.796
287	1603.1	0.8748	43.197	5.779	0.564	17.473	1.202	0.795
288	1603.7	0.8751	43.211	5.778	0.564	17.501	1.202	0.795
289	1604.4	0.8754	43.224	5.776	0.564	17.529	1.202	0.795
290	1605.0	0.8757	43.237	5.775	0.564	17.557	1.202	0.795
291	1605.7	0.8760	43.250	5.773	0.564	17.584	1.202	0.795
292	1606.3	0.8763	43.262	5.771	0.564	17.611	1.202	0.795
293	1607.0	0.8766	43.274	5.770	0.564	17.638	1.203	0.795
294	1607.6	0.8769	43.287	5.768	0.564	17.665	1.203	0.795
295	1608.3	0.8772	43.299	5.766	0.564	17.692	1.203	0.795
296	1608.9	0.8775	43.311	5.765	0.564	17.719	1.203	0.795
297	1609.6	0.8778	43.322	5.763	0.564	17.745	1.203	0.795
298	1610.2	0.8781	43.333	5.762	0.564	17.771	1.203	0.795
299	1610.9	0.8784	43.346	5.760	0.565	17.798	1.203	0.795
300	1611.5	0.8787	43.357	5.758	0.565	17.825	1.203	0.795
301	1612.2	0.8790	43.369	5.757	0.565	17.851	1.203	0.795
302	1612.8	0.8793	43.381	5.755	0.565	17.878	1.204	0.795
303	1613.5	0.8796	43.392	5.754	0.565	17.904	1.204	0.795
304	1614.1	0.8799	43.404	5.752	0.565	17.931	1.204	0.795
305	1614.8	0.8802	43.415	5.750	0.565	17.958	1.204	0.795
306	1615.4	0.8805	43.427	5.749	0.565	17.984	1.204	0.795
307	1616.1	0.8808	43.438	5.747	0.565	18.011	1.204	0.795
308	1616.7	0.8811	43.450	5.745	0.565	18.037	1.204	0.795
309	1617.4	0.8814	43.461	5.744	0.565	18.064	1.204	0.795
310	1618.1	0.8817	43.473	5.742	0.565	18.091	1.205	0.795
311	1618.7	0.8820	43.549	5.741	0.565	18.213	1.205	0.795
312	1619.4	0.8823	43.637	5.739	0.565	18.351	1.205	0.796
313	1620.0	0.8826	43.715	5.737	0.565	18.457	1.205	0.796
314	1620.7	0.8829	43.782	5.736	0.565	18.544	1.205	0.796
315	1621.3	0.8832	43.840	5.734	0.565	18.623	1.205	0.796

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
316	1622.0	0.8835	43.893	5.732	0.566	18.696	1.205	0.796
317	1622.7	0.8838	43.942	5.731	0.566	18.764	1.205	0.796
318	1623.3	0.8841	43.988	5.729	0.566	18.830	1.206	0.796
319	1624.0	0.8844	44.032	5.728	0.566	18.892	1.206	0.796
320	1624.6	0.8847	44.073	5.726	0.566	18.953	1.206	0.796
321	1625.3	0.8850	44.113	5.724	0.566	19.011	1.206	0.796
322	1626.0	0.8853	44.151	5.723	0.566	19.068	1.206	0.796
323	1626.6	0.8856	44.189	5.721	0.566	19.124	1.206	0.797
324	1627.3	0.8859	44.225	5.719	0.566	19.179	1.207	0.797
325	1627.9	0.8862	44.260	5.718	0.566	19.234	1.207	0.797
326	1628.6	0.8865	44.295	5.716	0.566	19.287	1.207	0.797
327	1629.3	0.8868	44.329	5.715	0.566	19.340	1.207	0.797
328	1629.9	0.8871	44.362	5.713	0.566	19.392	1.207	0.797
329	1630.6	0.8874	44.395	5.711	0.566	19.444	1.207	0.798
330	1631.2	0.8877	44.428	5.710	0.566	19.496	1.207	0.798
331	1631.9	0.8880	44.460	5.708	0.566	19.547	1.208	0.798
332	1632.6	0.8883	44.492	5.706	0.566	19.598	1.208	0.798
333	1633.2	0.8886	44.524	5.705	0.567	19.649	1.208	0.799
334	1633.9	0.8889	44.555	5.703	0.567	19.700	1.208	0.799
335	1634.6	0.8892	44.587	5.702	0.567	19.751	1.208	0.799
336	1635.2	0.8895	44.618	5.700	0.567	19.802	1.208	0.799
337	1636.0	0.8899	44.652	5.698	0.567	19.857	1.209	0.800
338	1636.7	0.8902	44.687	5.696	0.567	19.915	1.209	0.800
339	1637.5	0.8906	44.723	5.694	0.567	19.972	1.209	0.801
340	1638.2	0.8909	44.758	5.693	0.567	20.029	1.209	0.801
341	1639.0	0.8913	44.793	5.691	0.567	20.087	1.209	0.801
342	1639.7	0.8916	44.828	5.689	0.567	20.144	1.209	0.802
343	1640.5	0.8920	44.863	5.687	0.567	20.202	1.210	0.802
344	1641.2	0.8923	44.900	5.685	0.567	20.261	1.210	0.802
345	1642.0	0.8926	44.937	5.683	0.567	20.320	1.210	0.803
346	1642.8	0.8930	44.972	5.682	0.567	20.378	1.210	0.803
347	1643.5	0.8933	45.012	5.680	0.567	20.440	1.210	0.804
348	1644.3	0.8937	45.047	5.678	0.568	20.497	1.211	0.804
349	1645.0	0.8940	45.083	5.676	0.568	20.557	1.211	0.805
350	1645.8	0.8944	45.119	5.674	0.568	20.616	1.211	0.805
351	1646.5	0.8947	45.155	5.672	0.568	20.676	1.211	0.805
352	1647.3	0.8951	45.246	5.671	0.568	20.815	1.211	0.806
353	1648.1	0.8954	45.386	5.669	0.568	21.046	1.212	0.806
354	1648.8	0.8958	45.526	5.667	0.568	21.242	1.212	0.806
355	1649.6	0.8961	45.654	5.665	0.568	21.417	1.212	0.807
356	1650.3	0.8965	45.771	5.663	0.568	21.578	1.212	0.807
357	1651.1	0.8969	45.881	5.661	0.568	21.730	1.213	0.807
358	1651.9	0.8972	45.984	5.660	0.568	21.875	1.213	0.807
359	1652.6	0.8976	46.084	5.658	0.568	22.015	1.213	0.808
360	1653.4	0.8979	46.180	5.656	0.568	22.151	1.213	0.808

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
361	1654.1	0.8983	46.273	5.654	0.568	22.284	1.214	0.808
362	1654.9	0.8986	46.363	5.652	0.568	22.415	1.214	0.808
363	1655.7	0.8990	46.452	5.650	0.569	22.544	1.214	0.809
364	1656.4	0.8993	46.540	5.649	0.569	22.672	1.214	0.809
365	1657.2	0.8997	46.627	5.647	0.569	22.799	1.215	0.809
366	1658.0	0.9000	46.711	5.645	0.569	22.924	1.215	0.809
367	1658.7	0.9004	46.796	5.643	0.569	23.050	1.215	0.809
368	1659.5	0.9007	46.881	5.641	0.569	23.175	1.215	0.809
369	1660.2	0.9011	46.965	5.639	0.569	23.301	1.216	0.809
370	1661.0	0.9015	47.049	5.637	0.569	23.427	1.216	0.809
371	1661.8	0.9018	47.133	5.636	0.569	23.554	1.216	0.810
372	1662.5	0.9022	47.217	5.634	0.569	23.681	1.217	0.810
373	1663.3	0.9025	47.301	5.632	0.569	23.808	1.217	0.810
374	1664.1	0.9029	47.385	5.630	0.569	23.936	1.217	0.810
375	1664.9	0.9032	47.470	5.628	0.569	24.065	1.217	0.810
376	1665.6	0.9036	47.554	5.626	0.569	24.195	1.218	0.810
377	1666.4	0.9040	47.639	5.625	0.569	24.326	1.218	0.810
378	1667.2	0.9043	47.724	5.623	0.570	24.458	1.218	0.810
379	1667.9	0.9047	47.810	5.621	0.570	24.591	1.219	0.810
380	1668.7	0.9050	47.897	5.619	0.570	24.725	1.219	0.810
381	1669.5	0.9054	47.984	5.617	0.570	24.861	1.219	0.810
382	1670.3	0.9058	48.072	5.615	0.570	24.999	1.220	0.810
383	1671.0	0.9061	48.160	5.614	0.570	25.137	1.220	0.810
384	1671.8	0.9065	48.249	5.612	0.570	25.278	1.220	0.810
385	1672.6	0.9068	48.339	5.610	0.570	25.420	1.221	0.810
386	1673.4	0.9072	48.429	5.608	0.570	25.563	1.221	0.810
387	1674.1	0.9076	48.520	5.606	0.570	25.708	1.221	0.810
388	1674.9	0.9079	48.613	5.604	0.570	25.855	1.222	0.810
389	1675.7	0.9083	48.727	5.603	0.570	26.028	1.222	0.810
390	1676.5	0.9087	48.959	5.601	0.570	26.430	1.223	0.810
391	1677.2	0.9090	49.196	5.599	0.570	26.799	1.223	0.810
392	1678.0	0.9094	49.423	5.597	0.570	27.150	1.223	0.810
393	1678.8	0.9098	49.596	5.595	0.570	27.408	1.224	0.810
394	1679.6	0.9101	49.632	5.593	0.571	27.536	1.224	0.810
395	1680.3	0.9105	49.636	5.591	0.571	27.586	1.225	0.810
396	1681.1	0.9109	49.528	5.590	0.571	27.597	1.225	0.810
397	1681.9	0.9112	49.335	5.588	0.571	27.604	1.226	0.810
398	1682.7	0.9116	49.127	5.586	0.571	27.604	1.227	0.810
399	1683.5	0.9119	49.015	5.584	0.571	27.596	1.227	0.810
400	1684.3	0.9123	48.934	5.582	0.571	27.597	1.228	0.810
401	1685.0	0.9127	48.796	5.580	0.571	27.607	1.229	0.810
402	1685.8	0.9131	48.609	5.578	0.571	27.605	1.229	0.810
403	1686.6	0.9134	48.472	5.576	0.571	27.610	1.230	0.810
404	1687.4	0.9138	48.356	5.575	0.571	27.620	1.231	0.810
405	1688.2	0.9142	48.262	5.573	0.571	27.630	1.232	0.810

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
406	1689.0	0.9145	48.101	5.571	0.571	27.623	1.233	0.810
407	1689.8	0.9149	47.933	5.569	0.571	27.599	1.234	0.810
408	1690.6	0.9153	47.777	5.567	0.572	27.580	1.234	0.810
409	1691.3	0.9156	47.629	5.565	0.572	27.570	1.235	0.809
410	1692.1	0.9160	47.487	5.563	0.572	27.565	1.236	0.809
411	1692.9	0.9164	47.343	5.562	0.572	27.564	1.238	0.809
412	1693.7	0.9167	47.201	5.560	0.572	27.565	1.239	0.809
413	1694.5	0.9171	47.059	5.558	0.572	27.566	1.240	0.809
414	1695.3	0.9175	46.915	5.556	0.572	27.567	1.241	0.809
415	1696.1	0.9179	46.771	5.554	0.572	27.569	1.242	0.809
416	1696.9	0.9182	46.625	5.552	0.572	27.572	1.243	0.809
417	1697.7	0.9186	46.478	5.551	0.572	27.575	1.245	0.809
418	1698.5	0.9190	46.330	5.549	0.572	27.577	1.246	0.809
419	1699.3	0.9194	46.180	5.547	0.572	27.580	1.247	0.809
420	1700.1	0.9197	46.029	5.545	0.572	27.584	1.248	0.809
421	1700.9	0.9201	45.877	5.543	0.572	27.588	1.250	0.809
422	1701.6	0.9205	45.723	5.541	0.572	27.620	1.251	0.809
423	1702.4	0.9209	45.568	5.539	0.573	27.725	1.253	0.809
424	1703.2	0.9212	45.473	5.538	0.573	27.831	1.254	0.809
425	1704.0	0.9216	45.396	5.536	0.573	27.940	1.256	0.808
426	1704.8	0.9220	45.247	5.534	0.573	28.078	1.257	0.808
427	1705.6	0.9224	45.096	5.532	0.573	28.240	1.259	0.808
428	1706.4	0.9227	44.960	5.530	0.573	28.418	1.261	0.808
429	1707.2	0.9231	44.836	5.528	0.573	28.605	1.263	0.808
430	1708.0	0.9235	43.939	5.526	0.573	28.797	1.264	0.808
431	1708.8	0.9239	43.773	5.524	0.573	28.992	1.266	0.808
432	1709.6	0.9243	43.676	5.522	0.573	28.033	1.268	0.808
433	1710.5	0.9246	43.578	5.521	0.573	28.252	1.270	0.808
434	1711.3	0.9250	43.471	5.519	0.573	28.472	1.272	0.808
435	1712.1	0.9254	43.361	5.517	0.573	28.697	1.274	0.808
436	1712.9	0.9258	42.554	5.515	0.574	27.772	1.276	0.808
437	1713.6	0.9261	43.154	5.513	0.574	29.163	1.279	0.808
438	1714.5	0.9265	43.107	5.511	0.574	29.406	1.281	0.808
439	1715.3	0.9269	43.062	5.509	0.574	29.656	1.283	0.808
440	1716.1	0.9273	43.016	5.507	0.574	29.852	1.286	0.808
441	1716.9	0.9277	42.075	5.505	0.574	29.934	1.288	0.808
442	1717.7	0.9280	43.157	5.503	0.574	30.505	1.290	0.808
443	1718.5	0.9284	43.348	5.502	0.574	30.599	1.292	0.808
444	1719.3	0.9288	43.492	5.500	0.574	30.773	1.294	0.807
445	1720.1	0.9292	43.737	5.498	0.574	30.562	1.296	0.807
446	1720.9	0.9296	44.275	5.496	0.574	30.716	1.299	0.807
447	1721.7	0.9300	43.561	5.494	0.574	31.141	1.301	0.807
448	1722.5	0.9303	44.699	5.493	0.574	31.043	1.303	0.807
449	1723.3	0.9307	43.455	5.491	0.575	30.928	1.305	0.807
450	1724.1	0.9311	42.610	5.489	0.575	31.109	1.307	0.807

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
451	1724.9	0.9315	43.498	5.487	0.575	31.589	1.309	0.807
452	1725.7	0.9319	44.643	5.485	0.575	31.186	1.311	0.807
453	1726.5	0.9323	45.075	5.484	0.575	31.908	1.312	0.807
454	1727.3	0.9327	45.172	5.482	0.575	32.507	1.314	0.807
455	1728.1	0.9330	44.910	5.480	0.575	34.587	1.316	0.807
456	1729.0	0.9334	44.805	5.478	0.575	34.586	1.318	0.807
457	1729.8	0.9338	44.529	5.476	0.575	34.319	1.320	0.807
458	1730.6	0.9342	44.236	5.474	0.575	34.050	1.322	0.807
459	1731.4	0.9346	44.036	5.472	0.575	33.823	1.324	0.807
460	1732.2	0.9350	44.626	5.471	0.575	33.639	1.326	0.807
461	1733.1	0.9354	44.418	5.469	0.576	33.486	1.328	0.807
462	1733.9	0.9358	44.175	5.467	0.576	33.325	1.330	0.807
463	1734.7	0.9362	43.972	5.465	0.576	33.163	1.332	0.807
464	1735.5	0.9365	43.204	5.463	0.576	33.011	1.334	0.808
465	1736.3	0.9369	42.989	5.461	0.576	32.887	1.336	0.808
466	1737.2	0.9373	42.907	5.459	0.576	31.599	1.338	0.808
467	1738.0	0.9377	42.833	5.457	0.576	31.595	1.340	0.808
468	1738.8	0.9381	42.766	5.455	0.576	31.602	1.342	0.808
469	1739.6	0.9385	42.709	5.453	0.576	31.619	1.344	0.808
470	1740.5	0.9389	42.673	5.451	0.576	31.649	1.346	0.808
471	1741.3	0.9393	42.701	5.449	0.576	31.691	1.348	0.808
472	1742.1	0.9397	41.738	5.447	0.577	31.004	1.350	0.808
473	1742.9	0.9401	41.904	5.445	0.577	30.497	1.352	0.808
474	1743.8	0.9405	41.773	5.444	0.577	30.487	1.354	0.808
475	1744.6	0.9409	41.692	5.442	0.577	30.520	1.356	0.809
476	1745.4	0.9413	41.605	5.440	0.577	30.576	1.358	0.809
477	1746.2	0.9417	41.838	5.438	0.577	30.605	1.360	0.809
478	1747.0	0.9421	41.636	5.436	0.577	30.554	1.362	0.809
479	1747.9	0.9424	41.764	5.434	0.577	30.615	1.364	0.809
480	1748.7	0.9428	41.852	5.433	0.577	30.691	1.366	0.810
481	1749.5	0.9432	41.903	5.431	0.577	30.626	1.368	0.810
482	1750.3	0.9436	43.712	5.430	0.577	31.796	1.369	0.810
483	1751.1	0.9440	43.597	5.428	0.577	32.134	1.371	0.810
484	1752.0	0.9444	43.347	5.426	0.578	32.117	1.373	0.811
485	1752.8	0.9448	43.196	5.424	0.578	32.030	1.375	0.811
486	1753.7	0.9452	43.041	5.422	0.578	31.821	1.376	0.811
487	1754.5	0.9456	42.919	5.420	0.578	32.665	1.378	0.812
488	1755.3	0.9460	43.377	5.418	0.578	32.345	1.380	0.812
489	1756.2	0.9464	43.206	5.416	0.578	32.078	1.381	0.812
490	1757.0	0.9468	43.066	5.414	0.578	31.857	1.383	0.813
491	1757.8	0.9472	42.950	5.413	0.578	31.675	1.384	0.813
492	1758.7	0.9476	42.855	5.411	0.578	31.522	1.386	0.814
493	1759.5	0.9480	42.773	5.409	0.578	31.392	1.387	0.814
494	1760.3	0.9484	42.700	5.407	0.578	31.279	1.389	0.815
495	1761.2	0.9488	42.630	5.405	0.579	31.176	1.390	0.815

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
496	1762.0	0.9492	42.528	5.403	0.579	31.067	1.392	0.816
497	1762.8	0.9496	42.405	5.401	0.579	30.918	1.393	0.816
498	1763.7	0.9500	42.290	5.399	0.579	30.767	1.395	0.817
499	1764.5	0.9504	42.200	5.397	0.579	30.628	1.396	0.817
500	1765.4	0.9509	42.110	5.395	0.579	30.500	1.398	0.817
501	1766.2	0.9513	42.008	5.394	0.579	30.380	1.399	0.818
502	1767.0	0.9517	41.889	5.392	0.579	30.265	1.400	0.818
503	1767.9	0.9521	41.752	5.390	0.579	30.151	1.402	0.819
504	1768.7	0.9525	41.610	5.388	0.579	30.032	1.403	0.819
505	1769.6	0.9529	41.467	5.386	0.579	29.913	1.405	0.820
506	1770.4	0.9533	41.315	5.384	0.579	29.796	1.406	0.820
507	1771.3	0.9537	41.286	5.382	0.580	29.516	1.408	0.821
508	1772.1	0.9541	41.632	5.380	0.580	29.742	1.409	0.821
509	1772.9	0.9545	41.676	5.378	0.580	29.781	1.410	0.821
510	1773.8	0.9549	42.142	5.377	0.580	30.557	1.412	0.822
511	1774.6	0.9553	42.092	5.375	0.580	30.535	1.413	0.822
512	1775.5	0.9557	42.028	5.373	0.580	30.468	1.414	0.822
513	1776.3	0.9561	41.971	5.371	0.580	30.394	1.415	0.823
514	1777.2	0.9565	41.914	5.369	0.580	30.318	1.417	0.823
515	1778.0	0.9570	41.858	5.367	0.580	30.242	1.418	0.823
516	1778.8	0.9574	41.799	5.365	0.580	30.165	1.419	0.824
517	1779.7	0.9578	41.739	5.363	0.580	30.089	1.420	0.824
518	1780.5	0.9582	41.680	5.362	0.581	30.016	1.422	0.824
519	1781.4	0.9586	41.622	5.360	0.581	29.945	1.423	0.824
520	1782.2	0.9590	41.567	5.358	0.581	29.879	1.424	0.824
521	1783.1	0.9594	41.515	5.356	0.581	29.815	1.425	0.825
522	1783.9	0.9598	41.465	5.354	0.581	29.753	1.427	0.825
523	1784.8	0.9602	41.419	5.352	0.581	29.692	1.428	0.825
524	1785.6	0.9607	41.373	5.350	0.581	29.631	1.429	0.825
525	1786.5	0.9611	41.330	5.348	0.581	29.568	1.430	0.825
526	1787.4	0.9615	41.287	5.347	0.581	29.505	1.432	0.826
527	1788.2	0.9619	41.247	5.345	0.581	29.441	1.433	0.826
528	1789.1	0.9623	41.235	5.343	0.582	29.375	1.434	0.826
529	1789.9	0.9627	41.226	5.341	0.582	29.313	1.436	0.826
530	1790.8	0.9631	41.198	5.339	0.582	29.275	1.437	0.826
531	1791.6	0.9636	41.155	5.337	0.582	29.215	1.438	0.826
532	1792.5	0.9640	41.121	5.335	0.582	29.156	1.440	0.826
533	1793.3	0.9644	41.098	5.333	0.582	29.109	1.441	0.826
534	1794.2	0.9648	41.083	5.331	0.582	29.070	1.442	0.826
535	1795.1	0.9652	41.071	5.330	0.582	29.035	1.444	0.826
536	1795.9	0.9656	41.058	5.328	0.582	29.001	1.445	0.827
537	1796.7	0.9661	41.046	5.326	0.582	28.968	1.446	0.827
538	1797.6	0.9665	41.027	5.324	0.583	28.929	1.448	0.827
539	1798.5	0.9669	41.005	5.322	0.583	28.887	1.449	0.827
540	1799.3	0.9673	40.978	5.320	0.583	28.840	1.450	0.827

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
541	1800.2	0.9677	40.941	5.318	0.583	28.785	1.452	0.827
542	1801.1	0.9682	40.239	5.316	0.583	28.167	1.453	0.827
543	1801.9	0.9686	40.565	5.314	0.583	28.506	1.459	0.827
544	1802.8	0.9690	40.636	5.313	0.583	25.014	1.456	0.827
545	1803.6	0.9694	41.046	5.311	0.583	29.205	1.457	0.827
546	1804.5	0.9698	40.992	5.309	0.583	29.176	1.458	0.827
547	1805.4	0.9703	40.890	5.307	0.584	29.086	1.460	0.827
548	1806.2	0.9707	40.798	5.305	0.584	28.950	1.461	0.827
549	1807.1	0.9711	40.726	5.303	0.584	28.851	1.462	0.827
550	1808.0	0.9715	40.666	5.301	0.584	28.767	1.464	0.827
551	1808.8	0.9720	40.611	5.299	0.584	28.693	1.465	0.827
552	1809.7	0.9724	40.559	5.298	0.584	28.624	1.466	0.827
553	1810.6	0.9728	40.509	5.296	0.584	28.558	1.467	0.827
554	1811.4	0.9732	40.462	5.294	0.584	28.494	1.469	0.827
555	1812.3	0.9737	40.417	5.292	0.584	28.433	1.470	0.827
556	1813.2	0.9741	40.375	5.290	0.585	28.376	1.471	0.827
557	1814.0	0.9745	40.335	5.288	0.585	28.320	1.472	0.827
558	1814.9	0.9749	40.297	5.286	0.585	28.267	1.473	0.827
559	1815.8	0.9754	40.260	5.284	0.585	28.215	1.475	0.827
560	1816.7	0.9758	40.224	5.282	0.585	28.165	1.476	0.827
561	1817.4	0.9762	40.192	5.281	0.585	28.121	1.477	0.827
562	1818.7	0.9768	39.734	5.278	0.585	27.888	1.478	0.827
563	1820.0	0.9774	39.916	5.275	0.585	27.782	1.480	0.827
564	1821.3	0.9781	40.079	5.272	0.586	27.850	1.482	0.827
565	1822.7	0.9787	39.987	5.269	0.586	27.966	1.483	0.827
566	1824.0	0.9794	40.120	5.266	0.586	28.102	1.485	0.827
567	1825.4	0.9801	40.135	5.263	0.586	28.125	1.486	0.827
568	1826.7	0.9807	40.082	5.260	0.586	28.067	1.488	0.827
569	1828.1	0.9814	40.015	5.257	0.587	27.985	1.489	0.827
570	1829.4	0.9820	39.949	5.255	0.587	27.900	1.491	0.827
571	1830.7	0.9827	39.883	5.252	0.587	27.818	1.492	0.826
572	1832.1	0.9834	39.819	5.249	0.587	27.738	1.494	0.826
573	1833.4	0.9840	39.759	5.246	0.587	27.660	1.495	0.826
574	1834.8	0.9847	39.704	5.243	0.587	27.587	1.496	0.826
575	1836.2	0.9854	39.654	5.240	0.588	27.516	1.498	0.826
576	1837.5	0.9860	39.607	5.237	0.588	27.448	1.499	0.826
577	1838.9	0.9867	39.561	5.234	0.588	27.381	1.500	0.826
578	1840.2	0.9874	39.517	5.231	0.588	27.315	1.501	0.826
579	1841.6	0.9881	39.474	5.229	0.588	27.249	1.503	0.826
580	1843.0	0.9887	39.430	5.226	0.589	27.181	1.504	0.826
581	1844.3	0.9894	39.387	5.223	0.589	27.111	1.505	0.826
582	1845.7	0.9901	39.372	5.220	0.589	27.043	1.506	0.826
583	1847.0	0.9907	39.185	5.217	0.589	26.942	1.507	0.826
584	1848.4	0.9914	39.068	5.214	0.589	26.923	1.508	0.826
585	1849.8	0.9921	39.267	5.211	0.589	27.085	1.510	0.826

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ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
586	1851.1	0.9928	39.310	5.208	0.590	27.120	1.511	0.826
587	1852.5	0.9935	39.237	5.205	0.590	27.037	1.512	0.826
588	1853.9	0.9941	39.134	5.202	0.590	26.917	1.513	0.826
589	1855.3	0.9948	39.042	5.200	0.590	26.803	1.514	0.826
590	1856.6	0.9955	38.966	5.197	0.590	26.705	1.515	0.826
591	1858.0	0.9962	38.903	5.194	0.591	26.622	1.516	0.826
592	1859.4	0.9969	38.848	5.191	0.591	26.549	1.517	0.826
593	1860.8	0.9975	38.799	5.188	0.591	26.483	1.518	0.826
594	1862.1	0.9982	38.753	5.185	0.591	26.421	1.519	0.826
595	1863.5	0.9989	38.711	5.182	0.591	26.361	1.520	0.826
596	1864.9	0.9996	38.671	5.179	0.591	26.303	1.521	0.826
597	1866.3	1.0003	38.633	5.176	0.592	26.246	1.522	0.827
598	1867.7	1.0010	38.595	5.174	0.592	26.191	1.523	0.827
599	1869.1	1.0017	38.347	5.171	0.592	26.057	1.524	0.827
600	1870.5	1.0024	38.377	5.168	0.592	26.048	1.526	0.827
601	1871.8	1.0031	38.485	5.165	0.592	26.128	1.527	0.827
602	1873.2	1.0037	38.505	5.162	0.593	26.145	1.528	0.827
603	1874.6	1.0044	38.456	5.159	0.593	26.097	1.529	0.828
604	1876.0	1.0051	38.384	5.156	0.593	26.019	1.530	0.828
605	1877.4	1.0058	38.302	5.153	0.593	25.930	1.531	0.828
606	1878.8	1.0065	38.217	5.151	0.593	25.831	1.532	0.828
607	1880.2	1.0072	38.136	5.148	0.594	25.733	1.533	0.829
608	1881.6	1.0079	38.066	5.145	0.594	25.646	1.534	0.829
609	1883.0	1.0086	38.007	5.142	0.594	25.570	1.535	0.829
610	1884.4	1.0093	37.956	5.139	0.594	25.504	1.536	0.830
611	1885.8	1.0100	37.910	5.136	0.594	25.444	1.537	0.830
612	1887.2	1.0107	37.868	5.133	0.594	25.389	1.538	0.831
613	1888.6	1.0114	37.829	5.130	0.595	25.337	1.539	0.831
614	1890.0	1.0121	37.794	5.128	0.595	25.287	1.540	0.832
615	1891.4	1.0128	37.664	5.125	0.595	25.209	1.541	0.832
616	1892.8	1.0135	37.513	5.122	0.595	25.069	1.542	0.833
617	1894.2	1.0143	37.580	5.119	0.595	25.096	1.543	0.833
618	1895.7	1.0150	37.663	5.116	0.596	25.166	1.544	0.834
619	1897.1	1.0157	37.665	5.113	0.596	25.173	1.545	0.835
620	1898.5	1.0164	37.611	5.110	0.596	25.120	1.546	0.836
621	1899.9	1.0171	37.539	5.108	0.596	25.042	1.547	0.836
622	1901.3	1.0178	37.470	5.105	0.596	24.962	1.548	0.837
623	1902.7	1.0185	37.409	5.102	0.597	24.889	1.549	0.838
624	1904.2	1.0192	37.357	5.099	0.597	24.825	1.550	0.839
625	1905.6	1.0199	37.308	5.096	0.597	24.767	1.551	0.840
626	1907.0	1.0207	37.252	5.093	0.597	24.703	1.551	0.840
627	1908.4	1.0214	37.189	5.091	0.597	24.630	1.552	0.841
628	1909.8	1.0221	37.128	5.088	0.597	24.556	1.553	0.842
629	1911.3	1.0228	37.073	5.085	0.598	24.489	1.554	0.843
630	1912.7	1.0235	37.027	5.082	0.598	24.430	1.554	0.844

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
631	1914.1	1.0243	36.952	5.079	0.598	24.367	1.555	0.844
632	1915.6	1.0250	36.787	5.076	0.598	24.225	1.556	0.845
633	1917.0	1.0257	36.762	5.073	0.598	24.171	1.556	0.846
634	1918.4	1.0264	36.830	5.071	0.599	24.219	1.557	0.846
635	1919.9	1.0272	36.864	5.068	0.599	24.252	1.558	0.847
636	1921.3	1.0279	36.838	5.065	0.599	24.229	1.558	0.847
637	1922.7	1.0286	36.776	5.062	0.599	24.166	1.559	0.848
638	1924.2	1.0293	36.706	5.059	0.599	24.089	1.559	0.848
639	1925.6	1.0301	36.640	5.057	0.599	24.013	1.560	0.849
640	1927.0	1.0308	36.581	5.054	0.600	23.944	1.560	0.849
641	1928.5	1.0315	36.530	5.051	0.600	23.884	1.561	0.850
642	1929.9	1.0322	36.485	5.048	0.600	23.830	1.561	0.850
643	1931.3	1.0330	36.444	5.045	0.600	23.782	1.561	0.850
644	1932.8	1.0337	36.405	5.042	0.600	23.736	1.562	0.851
645	1934.2	1.0344	36.367	5.040	0.601	23.692	1.562	0.851
646	1935.7	1.0352	36.322	5.037	0.601	23.641	1.563	0.851
647	1937.1	1.0359	36.270	5.034	0.601	23.582	1.563	0.852
648	1938.6	1.0366	36.146	5.031	0.601	23.479	1.563	0.852
649	1940.0	1.0374	36.016	5.028	0.601	23.342	1.563	0.852
650	1941.4	1.0381	36.004	5.025	0.601	23.305	1.564	0.852
651	1942.9	1.0388	36.052	5.022	0.602	23.339	1.564	0.853
652	1944.3	1.0396	36.071	5.020	0.602	23.358	1.564	0.853
653	1945.8	1.0403	36.044	5.017	0.602	23.333	1.564	0.853
654	1947.2	1.0411	35.986	5.014	0.602	23.275	1.565	0.853
655	1948.7	1.0418	35.917	5.011	0.602	23.200	1.565	0.853
656	1950.1	1.0425	35.850	5.008	0.602	23.125	1.565	0.854
657	1951.6	1.0433	35.789	5.006	0.603	23.056	1.565	0.854
658	1953.0	1.0440	35.735	5.003	0.603	22.993	1.565	0.854
659	1954.5	1.0447	35.687	5.000	0.603	22.938	1.565	0.854
660	1955.9	1.0455	35.644	4.997	0.603	22.888	1.565	0.854
661	1957.4	1.0462	35.604	4.994	0.603	22.842	1.565	0.854
662	1959.7	1.0474	35.474	4.990	0.604	22.663	1.566	0.854
663	1962.6	1.0489	35.340	4.984	0.604	22.515	1.566	0.855
664	1965.5	1.0504	35.210	4.979	0.604	22.390	1.566	0.855
665	1968.3	1.0518	35.181	4.973	0.605	22.326	1.565	0.855
666	1971.2	1.0533	35.148	4.968	0.605	22.280	1.565	0.855
667	1974.0	1.0548	35.079	4.962	0.605	22.208	1.565	0.855
668	1976.8	1.0562	34.992	4.957	0.605	22.117	1.565	0.855
669	1979.7	1.0577	34.906	4.951	0.606	22.023	1.564	0.855
670	1982.5	1.0591	34.825	4.946	0.606	21.933	1.564	0.855
671	1985.3	1.0606	34.751	4.941	0.606	21.849	1.563	0.855
672	1988.1	1.0620	34.683	4.935	0.607	21.771	1.563	0.855
673	1990.9	1.0635	34.618	4.930	0.607	21.697	1.562	0.856
674	1993.7	1.0649	34.545	4.925	0.607	21.618	1.561	0.856
675	1996.5	1.0664	34.462	4.919	0.608	21.526	1.561	0.856

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
676	1999.3	1.0678	34.380	4.914	0.608	21.432	1.560	0.856
677	2002.1	1.0693	34.219	4.909	0.608	21.316	1.559	0.856
678	2004.9	1.0707	34.098	4.904	0.608	21.194	1.559	0.856
679	2007.7	1.0722	34.143	4.898	0.609	21.201	1.558	0.856
680	2010.5	1.0736	34.177	4.893	0.609	21.223	1.557	0.857
681	2013.3	1.0751	34.142	4.888	0.609	21.188	1.556	0.857
682	2016.1	1.0765	34.063	4.883	0.610	21.110	1.555	0.857
683	2018.9	1.0780	33.970	4.878	0.610	21.013	1.554	0.857
684	2021.7	1.0794	33.874	4.873	0.610	20.912	1.553	0.858
685	2024.5	1.0809	33.777	4.867	0.611	20.807	1.552	0.858
686	2027.3	1.0824	33.679	4.862	0.611	20.702	1.551	0.859
687	2030.1	1.0838	33.587	4.857	0.611	20.600	1.550	0.859
688	2032.9	1.0853	33.491	4.852	0.611	20.503	1.549	0.860
689	2035.8	1.0868	33.347	4.847	0.612	20.379	1.548	0.860
690	2038.6	1.0882	33.290	4.842	0.612	20.303	1.547	0.861
691	2041.4	1.0897	33.299	4.837	0.612	20.292	1.546	0.862
692	2044.2	1.0912	33.289	4.832	0.613	20.276	1.545	0.862
693	2047.1	1.0927	33.239	4.826	0.613	20.226	1.544	0.863
694	2050.0	1.0942	33.159	4.821	0.613	20.147	1.542	0.864
695	2052.8	1.0957	33.062	4.816	0.614	20.048	1.541	0.865
696	2055.7	1.0972	32.957	4.811	0.614	19.939	1.540	0.866
697	2058.6	1.0987	32.853	4.806	0.614	19.829	1.539	0.867
698	2061.4	1.1002	32.756	4.801	0.614	19.725	1.537	0.869
699	2064.3	1.1017	32.668	4.796	0.615	19.630	1.536	0.870
700	2067.2	1.1033	32.566	4.790	0.615	19.534	1.534	0.871
701	2070.1	1.1048	32.435	4.785	0.615	19.412	1.533	0.873
702	2073.1	1.1063	32.378	4.780	0.616	19.339	1.531	0.875
703	2076.0	1.1079	32.384	4.775	0.616	19.328	1.530	0.876
704	2078.9	1.1095	32.379	4.770	0.616	19.318	1.528	0.878
705	2081.9	1.1110	32.331	4.765	0.616	19.273	1.527	0.880
706	2084.9	1.1126	32.246	4.759	0.617	19.191	1.525	0.881
707	2087.8	1.1141	32.142	4.754	0.617	19.086	1.523	0.883
708	2090.8	1.1157	32.034	4.749	0.617	18.975	1.521	0.885
709	2093.8	1.1173	31.931	4.744	0.618	18.868	1.519	0.886
710	2096.7	1.1189	31.836	4.739	0.618	18.768	1.518	0.888
711	2099.7	1.1204	31.746	4.734	0.618	18.676	1.516	0.889
712	2102.7	1.1220	31.634	4.728	0.619	18.572	1.514	0.890
713	2105.7	1.1236	31.545	4.723	0.619	18.478	1.512	0.892
714	2108.7	1.1252	31.515	4.718	0.619	18.436	1.510	0.893
715	2111.6	1.1268	31.506	4.713	0.619	18.418	1.508	0.894
716	2114.6	1.1284	31.473	4.708	0.620	18.384	1.506	0.895
717	2117.7	1.1300	31.406	4.703	0.620	18.320	1.503	0.896
718	2120.7	1.1316	31.315	4.698	0.620	18.232	1.501	0.897
719	2123.7	1.1332	31.215	4.693	0.621	18.131	1.499	0.898
720	2126.7	1.1348	31.114	4.688	0.621	18.029	1.497	0.899

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
721	2129.8	1.1365	31.018	4.682	0.621	17.930	1.494	0.900
722	2132.8	1.1381	30.928	4.677	0.622	17.839	1.492	0.901
723	2135.8	1.1397	30.828	4.672	0.622	17.744	1.490	0.902
724	2138.9	1.1413	30.729	4.667	0.622	17.645	1.487	0.903
725	2141.9	1.1430	30.668	4.662	0.622	17.577	1.485	0.903
726	2144.9	1.1446	30.642	4.657	0.623	17.543	1.482	0.904
727	2147.9	1.1462	30.618	4.652	0.623	17.515	1.480	0.905
728	2151.0	1.1478	30.572	4.647	0.623	17.471	1.477	0.905
729	2154.0	1.1495	30.502	4.642	0.624	17.404	1.475	0.906
730	2157.0	1.1511	30.416	4.637	0.624	17.321	1.472	0.906
731	2160.1	1.1527	30.323	4.632	0.624	17.229	1.470	0.907
732	2163.1	1.1544	30.230	4.627	0.625	17.136	1.467	0.907
733	2166.1	1.1560	30.140	4.622	0.625	17.047	1.464	0.908
734	2169.2	1.1577	30.050	4.617	0.625	16.958	1.462	0.908
735	2172.2	1.1593	29.950	4.612	0.626	16.862	1.459	0.909
736	2175.2	1.1609	29.862	4.607	0.626	16.774	1.456	0.909
737	2178.3	1.1626	29.809	4.602	0.626	16.715	1.454	0.910
738	2181.3	1.1643	29.779	4.597	0.627	16.680	1.451	0.910
739	2184.4	1.1659	29.749	4.592	0.627	16.649	1.448	0.911
740	2187.5	1.1676	29.703	4.587	0.627	16.604	1.445	0.911
741	2190.5	1.1692	29.638	4.582	0.627	16.543	1.443	0.912
742	2193.6	1.1709	29.559	4.577	0.628	16.467	1.440	0.912
743	2196.7	1.1726	29.471	4.572	0.628	16.382	1.437	0.913
744	2199.8	1.1743	29.380	4.567	0.628	16.294	1.434	0.913
745	2202.9	1.1760	29.288	4.562	0.629	16.204	1.431	0.913
746	2206.0	1.1776	29.192	4.557	0.629	16.111	1.429	0.914
747	2209.1	1.1793	29.094	4.552	0.629	16.017	1.426	0.914
748	2212.2	1.1810	29.014	4.547	0.630	15.938	1.423	0.915
749	2215.3	1.1827	28.965	4.542	0.630	15.885	1.420	0.915
750	2218.4	1.1845	28.934	4.537	0.630	15.851	1.417	0.916
751	2221.6	1.1862	28.904	4.532	0.631	15.820	1.414	0.916
752	2224.7	1.1879	28.860	4.527	0.631	15.779	1.411	0.917
753	2227.9	1.1896	28.799	4.522	0.631	15.721	1.408	0.918
754	2231.0	1.1913	28.722	4.517	0.632	15.649	1.406	0.918
755	2234.2	1.1931	28.634	4.512	0.632	15.566	1.403	0.919
756	2237.3	1.1948	28.541	4.507	0.632	15.478	1.400	0.919
757	2240.5	1.1965	28.447	4.502	0.633	15.388	1.397	0.920
758	2243.6	1.1983	28.352	4.498	0.633	15.298	1.394	0.921
759	2246.8	1.2000	28.262	4.493	0.633	15.211	1.391	0.922
760	2249.9	1.2017	28.189	4.488	0.633	15.140	1.388	0.922
761	2253.1	1.2035	28.142	4.483	0.634	15.091	1.386	0.923
762	2255.1	1.2046	28.129	4.480	0.634	15.036	1.384	0.924
763	2258.3	1.2064	28.099	4.475	0.634	14.994	1.381	0.925
764	2261.5	1.2082	28.038	4.470	0.635	14.947	1.378	0.925
765	2264.8	1.2099	27.965	4.465	0.635	14.886	1.375	0.926

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
766	2268.0	1.2117	27.888	4.460	0.635	14.816	1.372	0.927
767	2271.2	1.2135	27.809	4.455	0.636	14.743	1.369	0.928
768	2274.4	1.2153	27.731	4.450	0.636	14.669	1.366	0.930
769	2277.7	1.2171	27.653	4.445	0.636	14.596	1.363	0.931
770	2280.9	1.2189	27.577	4.440	0.637	14.525	1.360	0.932
771	2284.2	1.2207	27.504	4.435	0.637	14.456	1.357	0.933
772	2287.4	1.2225	27.432	4.430	0.637	14.389	1.355	0.934
773	2290.6	1.2243	27.357	4.425	0.638	14.322	1.352	0.936
774	2293.9	1.2261	27.281	4.420	0.638	14.255	1.349	0.937
775	2297.1	1.2279	27.212	4.415	0.638	14.190	1.346	0.938
776	2300.4	1.2297	27.153	4.410	0.639	14.133	1.343	0.940
777	2303.6	1.2316	27.105	4.405	0.639	14.084	1.340	0.941
778	2306.9	1.2334	27.062	4.401	0.639	14.041	1.337	0.943
779	2310.2	1.2352	27.021	4.396	0.640	14.001	1.334	0.944
780	2313.4	1.2370	26.979	4.391	0.640	13.960	1.331	0.946
781	2316.7	1.2389	26.933	4.386	0.640	13.918	1.328	0.948
782	2320.0	1.2407	26.883	4.381	0.641	13.872	1.325	0.949
783	2323.3	1.2425	26.827	4.376	0.641	13.822	1.322	0.951
784	2326.5	1.2444	26.766	4.372	0.642	13.768	1.319	0.953
785	2329.8	1.2462	26.702	4.367	0.642	13.711	1.316	0.955
786	2333.1	1.2481	26.634	4.362	0.642	13.651	1.313	0.956
787	2336.4	1.2499	26.562	4.357	0.643	13.588	1.310	0.959
788	2339.7	1.2518	26.487	4.352	0.643	13.523	1.307	0.960
789	2343.0	1.2536	26.415	4.348	0.643	13.459	1.304	0.962
790	2346.3	1.2555	26.351	4.343	0.644	13.399	1.301	0.964
791	2349.6	1.2573	26.295	4.338	0.644	13.346	1.298	0.966
792	2352.9	1.2592	26.245	4.334	0.644	13.298	1.294	0.968
793	2356.2	1.2611	26.198	4.329	0.645	13.253	1.291	0.970
794	2359.5	1.2629	26.152	4.324	0.645	13.210	1.288	0.971
795	2362.8	1.2648	26.103	4.319	0.645	13.165	1.285	0.973
796	2366.1	1.2667	26.052	4.315	0.646	13.119	1.282	0.975
797	2369.5	1.2686	25.997	4.310	0.646	13.071	1.279	0.977
798	2372.8	1.2704	25.939	4.305	0.646	13.020	1.276	0.978
799	2376.1	1.2723	25.878	4.301	0.647	12.966	1.273	0.980
800	2379.4	1.2742	25.814	4.296	0.647	12.910	1.270	0.982
801	2382.8	1.2761	25.745	4.291	0.647	12.851	1.267	0.983
802	2386.1	1.2780	25.675	4.287	0.647	12.790	1.264	0.985
803	2389.5	1.2799	25.606	4.282	0.648	12.730	1.261	0.987
804	2392.8	1.2818	25.542	4.277	0.648	12.672	1.258	0.988
805	2396.1	1.2837	25.484	4.273	0.648	12.619	1.255	0.990
806	2399.5	1.2856	25.431	4.268	0.649	12.570	1.252	0.991
807	2402.8	1.2875	25.382	4.263	0.649	12.525	1.249	0.993
808	2406.2	1.2894	25.333	4.259	0.649	12.480	1.245	0.994
809	2409.6	1.2913	25.284	4.254	0.650	12.436	1.242	0.996
810	2412.9	1.2933	25.232	4.249	0.650	12.391	1.239	0.997

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
811	2416.3	1.2952	25.178	4.245	0.651	12.344	1.236	0.998
812	2419.7	1.2971	25.120	4.240	0.651	12.294	1.233	1.000
813	2423.0	1.2990	25.059	4.236	0.651	12.241	1.230	1.001
814	2426.4	1.3010	24.995	4.231	0.652	12.186	1.227	1.002
815	2429.8	1.3029	24.928	4.226	0.652	12.129	1.224	1.003
816	2433.2	1.3048	24.860	4.222	0.652	12.072	1.221	1.004
817	2436.5	1.3068	24.796	4.217	0.653	12.015	1.218	1.005
818	2439.9	1.3087	24.736	4.213	0.653	11.962	1.214	1.007
819	2443.3	1.3107	24.680	4.208	0.653	11.912	1.211	1.008
820	2446.7	1.3126	24.627	4.204	0.654	11.866	1.208	1.009
821	2450.1	1.3146	24.577	4.199	0.654	11.821	1.205	1.010
822	2453.5	1.3165	24.527	4.194	0.654	11.777	1.202	1.011
823	2456.9	1.3185	24.477	4.190	0.655	11.733	1.199	1.012
824	2460.3	1.3204	24.425	4.185	0.655	11.689	1.196	1.012
825	2463.7	1.3224	24.371	4.181	0.656	11.642	1.193	1.013
826	2467.1	1.3244	24.314	4.176	0.656	11.594	1.189	1.014
827	2470.5	1.3263	24.254	4.172	0.656	11.544	1.186	1.015
828	2474.0	1.3283	24.192	4.167	0.657	11.492	1.183	1.016
829	2477.4	1.3303	24.128	4.163	0.657	11.438	1.180	1.017
830	2480.8	1.3323	24.064	4.158	0.657	11.384	1.177	1.017
831	2484.2	1.3342	24.003	4.154	0.658	11.332	1.174	1.018
832	2487.7	1.3362	23.945	4.149	0.658	11.282	1.171	1.019
833	2491.1	1.3382	23.890	4.145	0.658	11.235	1.168	1.019
834	2494.5	1.3402	23.839	4.140	0.659	11.190	1.164	1.020
835	2498.0	1.3422	23.789	4.136	0.659	11.147	1.161	1.021
836	2501.4	1.3442	23.740	4.131	0.659	11.105	1.158	1.021
837	2504.9	1.3462	23.690	4.127	0.660	11.062	1.155	1.022
838	2508.3	1.3482	23.639	4.122	0.660	11.019	1.152	1.022
839	2511.8	1.3502	23.585	4.118	0.660	10.974	1.149	1.023
840	2515.2	1.3522	23.529	4.113	0.661	10.928	1.146	1.024
841	2518.7	1.3543	23.470	4.109	0.661	10.880	1.143	1.024
842	2522.1	1.3563	23.410	4.105	0.661	10.830	1.139	1.025
843	2525.6	1.3583	23.349	4.100	0.662	10.780	1.136	1.025
844	2529.1	1.3603	23.290	4.096	0.662	10.730	1.133	1.026
845	2532.5	1.3623	23.232	4.091	0.663	10.682	1.130	1.026
846	2536.0	1.3644	23.177	4.087	0.663	10.636	1.127	1.027
847	2539.5	1.3664	23.125	4.082	0.663	10.592	1.124	1.027
848	2543.0	1.3685	23.074	4.078	0.664	10.549	1.121	1.028
849	2546.4	1.3705	23.024	4.074	0.664	10.508	1.118	1.028
850	2549.9	1.3725	22.975	4.069	0.664	10.467	1.115	1.029
851	2553.4	1.3746	22.925	4.065	0.665	10.425	1.112	1.030
852	2556.9	1.3766	22.874	4.060	0.665	10.383	1.108	1.030
853	2560.4	1.3787	22.822	4.056	0.665	10.341	1.105	1.031
854	2563.9	1.3807	22.767	4.052	0.666	10.296	1.102	1.031
855	2567.4	1.3828	22.711	4.047	0.666	10.251	1.099	1.032

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
856	2570.9	1.3849	22.654	4.043	0.667	10.205	1.096	1.033
857	2574.4	1.3869	22.597	4.038	0.667	10.159	1.093	1.033
858	2577.9	1.3890	22.541	4.034	0.667	10.113	1.090	1.034
859	2581.4	1.3911	22.486	4.030	0.668	10.068	1.087	1.035
860	2585.0	1.3931	22.434	4.025	0.668	10.025	1.084	1.036
861	2588.5	1.3952	22.383	4.021	0.669	9.984	1.081	1.036
862	2592.0	1.3973	22.334	4.017	0.669	9.944	1.078	1.037
863	2595.5	1.3994	22.286	4.012	0.669	9.904	1.075	1.038
864	2599.1	1.4015	22.237	4.008	0.670	9.865	1.072	1.039
865	2602.6	1.4036	22.188	4.004	0.670	9.825	1.069	1.040
866	2606.1	1.4057	22.138	3.999	0.671	9.785	1.066	1.041
867	2609.7	1.4078	22.087	3.995	0.671	9.744	1.063	1.042
868	2613.2	1.4099	22.034	3.991	0.671	9.702	1.060	1.043
869	2616.8	1.4120	21.979	3.986	0.672	9.659	1.057	1.044
870	2620.3	1.4141	21.924	3.982	0.672	9.615	1.054	1.046
871	2623.9	1.4162	21.870	3.978	0.672	9.572	1.051	1.047
872	2627.4	1.4183	21.816	3.973	0.673	9.530	1.048	1.048
873	2631.0	1.4204	21.764	3.969	0.673	9.488	1.045	1.050
874	2634.5	1.4225	21.714	3.965	0.674	9.448	1.042	1.051
875	2638.1	1.4247	21.665	3.961	0.674	9.409	1.039	1.053
876	2641.7	1.4268	21.617	3.956	0.674	9.370	1.036	1.055
877	2645.2	1.4289	21.570	3.952	0.675	9.333	1.033	1.056
878	2648.8	1.4311	21.522	3.948	0.675	9.295	1.030	1.058
879	2652.4	1.4332	21.475	3.943	0.676	9.258	1.028	1.060
880	2656.0	1.4353	21.426	3.939	0.676	9.220	1.025	1.062
881	2659.6	1.4375	21.376	3.935	0.676	9.181	1.022	1.064
882	2663.1	1.4396	21.325	3.931	0.677	9.141	1.019	1.065
883	2666.7	1.4418	21.273	3.926	0.677	9.101	1.016	1.067
884	2670.3	1.4439	21.221	3.922	0.677	9.061	1.013	1.068
885	2673.9	1.4461	21.169	3.918	0.678	9.020	1.010	1.067
886	2677.5	1.4483	21.118	3.914	0.678	8.981	1.007	1.065
887	2681.1	1.4504	21.067	3.909	0.679	8.942	1.005	1.064
888	2684.7	1.4526	21.019	3.905	0.679	8.904	1.002	1.062
889	2688.3	1.4548	20.971	3.901	0.679	8.866	0.999	1.061
890	2692.0	1.4569	20.924	3.896	0.680	8.830	0.996	1.059
891	2695.6	1.4591	20.878	3.892	0.680	8.794	0.993	1.057
892	2699.2	1.4613	20.832	3.888	0.681	8.759	0.991	1.056
893	2702.8	1.4635	20.785	3.884	0.681	8.723	0.988	1.054
894	2706.4	1.4657	20.738	3.879	0.681	8.687	0.985	1.052
895	2710.1	1.4678	20.690	3.875	0.682	8.650	0.982	1.052
896	2713.7	1.4700	20.641	3.871	0.682	8.613	0.980	1.052
897	2717.3	1.4722	20.591	3.867	0.683	8.575	0.977	1.052
898	2721.0	1.4744	20.541	3.862	0.683	8.538	0.974	1.052
899	2724.6	1.4766	20.492	3.858	0.683	8.500	0.971	1.052
900	2728.3	1.4788	20.443	3.854	0.684	8.463	0.969	1.052

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
901	2731.9	1.4811	20.395	3.850	0.684	8.426	0.966	1.052
902	2735.6	1.4833	20.348	3.845	0.684	8.391	0.963	1.052
903	2739.2	1.4855	20.302	3.841	0.685	8.356	0.961	1.052
904	2742.9	1.4877	20.256	3.837	0.685	8.321	0.958	1.052
905	2746.5	1.4899	20.212	3.833	0.686	8.287	0.956	1.052
906	2750.2	1.4922	20.167	3.829	0.686	8.254	0.953	1.052
907	2753.9	1.4944	20.122	3.824	0.686	8.220	0.950	1.053
908	2757.5	1.4966	20.076	3.820	0.687	8.186	0.948	1.053
909	2761.2	1.4989	20.030	3.816	0.687	8.152	0.945	1.053
910	2764.9	1.5011	19.983	3.812	0.688	8.117	0.943	1.054
911	2768.6	1.5033	19.936	3.807	0.688	8.082	0.940	1.054
912	2773.8	1.5065	19.837	3 802	0.689	7.997	0.936	1.055
913	2782.0	1.5116	19.740	3.792	0.690	7.922	0.931	1.056
914	2790.3	1.5166	19.635	3.783	0.690	7.848	0.925	1.059
915	2798.6	1.5217	19.526	3.773	0.691	7.770	0.919	1.061
916	2806.9	1.5268	19.415	3.764	0.692	7.689	0.913	1.065
917	2815.2	1.5319	19.305	3.755	0.693	7.608	0.908	1.069
918	2823.6	1.5371	19.198	3.745	0.694	7.531	0.902	1.073
919	2831.9	1.5422	19.098	3.736	0.695	7.457	0.896	1.076
920	2840.3	1.5474	19.004	3.727	0.696	7.389	0.890	1.079
921	2848.7	1.5526	18.916	3.718	0.697	7.325	0.885	1.081
922	2857.2	1.5578	18.830	3.709	0.698	7.263	0.879	1.082
923	2865.6	1.5631	18.746	3.700	0.699	7.203	0.873	1.083
924	2874.1	1.5684	18.661	3.690	0.699	7.143	0.868	1.083
925	2882.6	1.5737	18.574	3.681	0.700	7.082	0.862	1.083
926	2891.2	1.5790	18.484	3.672	0.701	7.019	0.857	1.083
927	2899.8	1.5843	18.391	3.663	0.702	6.955	0.851	1.082
928	2908.3	1.5897	18.295	3.654	0.703	6.889	0.846	1.082
929	2917.0	1.5950	18.197	3.645	0.704	6.823	0.841	1.081
930	2925.6	1.6004	18.097	3.636	0.705	6.755	0.835	1.080
931	2934.3	1.6059	17.996	3.626	0.706	6.687	0.830	1.079
932	2943.0	1.6113	17.897	3.617	0.707	6.619	0.825	1.079
933	2951.7	1.6168	17.800	3.608	0.708	6.553	0.819	1.078
934	2960.4	1.6223	17.707	3.599	0.709	6.490	0.814	1.078
935	2969.2	1.6278	17.619	3.590	0.710	6.430	0.809	1.078
936	2978.0	1.6333	17.534	3.581	0.711	6.372	0.804	1.079
937	2986.8	1.6389	17.453	3.573	0.711	6.317	0.799	1.081
938	2995.6	1.6445	17.374	3.564	0.712	6.263	0.793	1.083
939	3004.5	1.6501	17.295	3.555	0.713	6.211	0.788	1.087
940	3013.4	1.6557	17.217	3.546	0.714	6.159	0.783	1.090
941	3022.3	1.6614	17.137	3.537	0.715	6.106	0.778	1.093
942	3031.3	1.6671	17.056	3.528	0.716	6.053	0.773	1.094
943	3040.2	1.6728	16.974	3.519	0.717	6.000	0.768	1.095
944	3049.2	1.6785	16.892	3.510	0.718	5.946	0.763	1.094
945	3058.3	1.6843	16.810	3.502	0.719	5.893	0.758	1.093

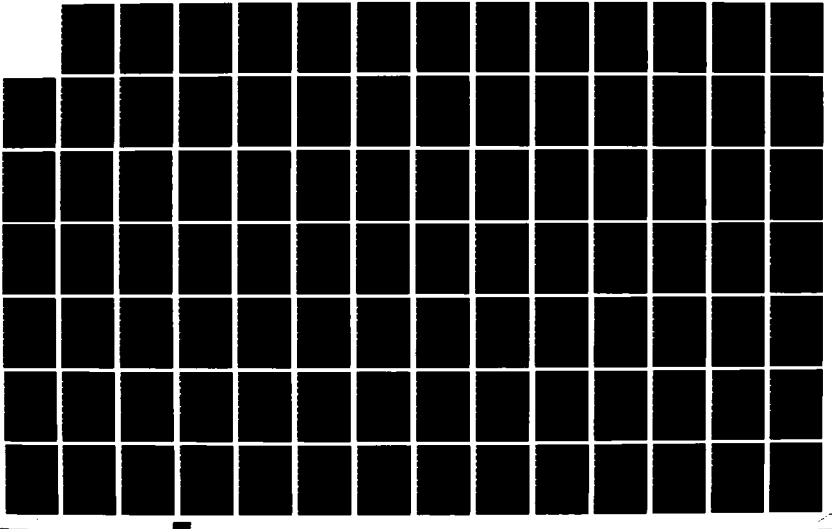
ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
946	3067.3	1.6900	16.729	3.493	0.720	5.841	0.754	1.092
947	3076.4	1.6959	16.650	3.484	0.721	5.789	0.749	1.091
948	3085.5	1.7017	16.573	3.475	0.722	5.739	0.744	1.089
949	3094.7	1.7075	16.497	3.467	0.723	5.690	0.739	1.087
950	3103.8	1.7134	16.422	3.458	0.724	5.642	0.734	1.086
951	3113.0	1.7193	16.348	3.449	0.725	5.595	0.730	1.084
952	3122.2	1.7252	16.273	3.440	0.726	5.547	0.725	1.083
953	3131.5	1.7312	16.197	3.432	0.727	5.499	0.720	1.083
954	3140.8	1.7371	16.120	3.423	0.728	5.451	0.715	1.083
955	3150.1	1.7431	16.042	3.414	0.729	5.402	0.711	1.083
956	3159.4	1.7492	15.962	3.406	0.730	5.353	0.706	1.086
957	3168.8	1.7552	15.881	3.397	0.731	5.303	0.702	1.089
958	3178.1	1.7613	15.801	3.389	0.732	5.253	0.697	1.092
959	3187.6	1.7674	15.721	3.380	0.733	5.204	0.693	1.094
960	3197.0	1.7735	15.642	3.372	0.734	5.155	0.688	1.095
961	3206.5	1.7796	15.564	3.363	0.735	5.108	0.684	1.095
962	3216.0	1.7858	15.488	3.354	0.736	5.061	0.679	1.094
963	3225.5	1.7920	15.413	3.346	0.737	5.015	0.675	1.093
964	3235.0	1.7982	15.339	3.337	0.738	4.970	0.670	1.092
965	3244.6	1.8045	15.265	3.329	0.739	4.925	0.666	1.090
966	3254.2	1.8107	15.191	3.320	0.740	4.881	0.662	1.088
967	3263.8	1.8170	15.117	3.312	0.741	4.836	0.657	1.086
968	3273.5	1.8233	15.042	3.304	0.742	4.792	0.653	1.085
969	3283.2	1.8297	14.967	3.295	0.743	4.748	0.649	1.083
970	3292.9	1.8361	14.892	3.287	0.744	4.703	0.644	1.082
971	3302.7	1.8425	14.817	3.279	0.745	4.660	0.640	1.082
972	3312.4	1.8489	14.743	3.270	0.746	4.616	0.636	1.083
973	3322.2	1.8553	14.670	3.262	0.747	4.573	0.632	1.085
974	3332.0	1.8618	14.598	3.254	0.748	4.531	0.628	1.088
975	3341.9	1.8683	14.526	3.245	0.749	4.490	0.624	1.092
976	3351.8	1.8748	14.455	3.237	0.750	4.449	0.619	1.094
977	3361.7	1.8814	14.385	3.229	0.751	4.408	0.615	1.095
978	3371.6	1.8879	14.315	3.220	0.752	4.368	0.611	1.095
979	3381.6	1.8945	14.246	3.212	0.753	4.328	0.607	1.094
980	3391.6	1.9012	14.176	3.204	0.754	4.289	0.603	1.093
981	3401.6	1.9078	14.105	3.196	0.755	4.249	0.599	1.091
982	3411.6	1.9145	14.035	3.188	0.756	4.209	0.595	1.089
983	3421.7	1.9212	13.965	3.179	0.757	4.170	0.591	1.088
984	3431.8	1.9279	13.895	3.171	0.758	4.131	0.587	1.086
985	3441.9	1.9347	13.826	3.163	0.759	4.093	0.584	1.084
986	3452.0	1.9414	13.757	3.155	0.760	4.055	0.580	1.083
987	3462.2	1.9482	13.690	3.147	0.761	4.017	0.576	1.082
988	3472.4	1.9550	13.623	3.139	0.762	3.980	0.572	1.082
989	3482.6	1.9618	13.556	3.131	0.763	3.944	0.568	1.083
990	3492.8	1.9687	13.490	3.123	0.764	3.908	0.564	1.085

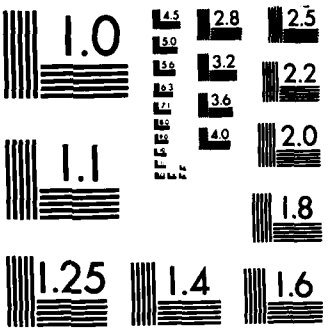
ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
991	3503.0	1.9756	13.424	3.115	0.766	3.872	0.561	1.088
992	3513.3	1.9825	13.359	3.107	0.767	3.836	0.557	1.092
993	3523.5	1.9894	13.293	3.099	0.768	3.801	0.553	1.094
994	3533.8	1.9963	13.228	3.091	0.769	3.766	0.550	1.095
995	3544.1	2.0033	13.163	3.083	0.770	3.731	0.546	1.095
996	3554.5	2.0102	13.098	3.075	0.771	3.697	0.542	1.095
997	3564.8	2.0172	13.033	3.068	0.772	3.662	0.539	1.093
998	3575.2	2.0243	12.969	3.060	0.773	3.628	0.535	1.092
999	3585.6	2.0313	12.905	3.052	0.775	3.595	0.532	1.090
1000	3596.1	2.0384	12.843	3.044	0.776	3.562	0.528	1.088
1001	3606.5	2.0455	12.780	3.036	0.777	3.529	0.525	1.087
1002	3617.0	2.0526	12.718	3.029	0.779	3.497	0.521	1.085
1003	3627.5	2.0597	12.657	3.021	0.780	3.465	0.518	1.084
1004	3638.0	2.0668	12.595	3.014	0.782	3.434	0.514	1.083
1005	3648.5	2.0740	12.534	3.006	0.783	3.402	0.511	1.083
1006	3659.1	2.0812	12.473	2.998	0.784	3.371	0.508	1.084
1007	3669.6	2.0884	12.412	2.991	0.786	3.340	0.504	1.086
1008	3680.2	2.0957	12.352	2.983	0.787	3.309	0.501	1.089
1009	3690.8	2.1029	12.292	2.976	0.789	3.279	0.498	1.092
1010	3701.5	2.1102	12.232	2.969	0.790	3.249	0.494	1.095
1011	3712.1	2.1175	12.172	2.961	0.792	3.219	0.491	1.097
1012	3722.8	2.1249	12.113	2.954	0.793	3.190	0.488	1.098
1013	3733.5	2.1322	12.055	2.946	0.794	3.161	0.485	1.098
1014	3744.3	2.1396	11.997	2.939	0.796	3.132	0.481	1.097
1015	3755.0	2.1470	11.939	2.932	0.797	3.103	0.478	1.096
1016	3765.8	2.1544	11.881	2.925	0.799	3.075	0.475	1.094
1017	3776.6	2.1618	11.824	2.918	0.800	3.047	0.472	1.093
1018	3787.4	2.1693	11.767	2.910	0.802	3.019	0.469	1.091
1019	3798.2	2.1768	11.711	2.903	0.803	2.992	0.466	1.090
1020	3809.1	2.1843	11.654	2.896	0.804	2.965	0.463	1.088
1021	3820.0	2.1918	11.598	2.889	0.806	2.938	0.459	1.088
1022	3830.9	2.1994	11.542	2.882	0.807	2.911	0.456	1.087
1023	3841.8	2.2070	11.486	2.875	0.809	2.884	0.453	1.087
1024	3852.7	2.2146	11.431	2.868	0.810	2.858	0.450	1.088
1025	3863.7	2.2222	11.376	2.861	0.811	2.832	0.447	1.090
1026	3874.7	2.2298	11.322	2.855	0.812	2.806	0.445	1.093
1027	3885.7	2.2375	11.267	2.848	0.814	2.781	0.442	1.096
1028	3896.8	2.2452	11.213	2.841	0.815	2.756	0.439	1.100
1029	3907.8	2.2529	11.160	2.834	0.816	2.731	0.436	1.102
1030	3918.9	2.2606	11.107	2.827	0.817	2.706	0.433	1.103
1031	3930.0	2.2684	11.053	2.821	0.818	2.681	0.430	1.103
1032	3941.1	2.2762	11.001	2.814	0.819	2.657	0.427	1.103
1033	3952.3	2.2840	10.948	2.807	0.820	2.633	0.424	1.102
1034	3963.5	2.2918	10.896	2.800	0.821	2.609	0.422	1.101
1035	3974.6	2.2997	10.844	2.794	0.822	2.585	0.419	1.100

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1036	3985.9	2.3076	10.792	2.787	0.823	2.562	0.416	1.098
1037	3997.1	2.3155	10.741	2.780	0.824	2.539	0.413	1.097
1038	4008.4	2.3234	10.690	2.774	0.825	2.516	0.411	1.095
1039	4019.7	2.3313	10.639	2.767	0.826	2.493	0.408	1.094
1040	4031.0	2.3393	10.588	2.760	0.827	2.471	0.405	1.093
1041	4042.3	2.3473	10.538	2.754	0.828	2.449	0.403	1.093
1042	4053.7	2.3553	10.488	2.747	0.829	2.427	0.400	1.094
1043	4065.0	2.3633	10.439	2.740	0.830	2.405	0.397	1.095
1044	4076.4	2.3714	10.389	2.734	0.831	2.383	0.395	1.098
1045	4087.9	2.3795	10.340	2.727	0.832	2.362	0.392	1.101
1046	4099.3	2.3876	10.291	2.721	0.833	2.340	0.390	1.104
1047	4110.8	2.3957	10.243	2.714	0.834	2.319	0.387	1.107
1048	4122.3	2.4039	10.195	2.708	0.835	2.299	0.385	1.109
1049	4133.8	2.4121	10.146	2.701	0.836	2.278	0.382	1.110
1050	4145.4	2.4203	10.099	2.694	0.837	2.257	0.380	1.110
1051	4156.9	2.4285	10.051	2.688	0.838	2.237	0.377	1.110
1052	4168.5	2.4368	10.004	2.681	0.839	2.217	0.375	1.109
1053	4180.1	2.4451	9.957	2.675	0.840	2.197	0.372	1.108
1054	4191.8	2.4534	9.910	2.668	0.841	2.178	0.370	1.107
1055	4203.4	2.4617	9.864	2.662	0.842	2.158	0.367	1.105
1056	4215.1	2.4700	9.818	2.655	0.843	2.139	0.365	1.104
1057	4226.8	2.4784	9.772	2.649	0.844	2.120	0.363	1.103
1058	4238.6	2.4868	9.726	2.643	0.845	2.101	0.360	1.102
1059	4250.3	2.4952	9.681	2.636	0.846	2.082	0.358	1.101
1060	4262.1	2.5037	9.636	2.630	0.847	2.064	0.356	1.101
1061	4273.9	2.5122	9.591	2.623	0.848	2.045	0.353	1.101
1062	4281.9	2.5179	9.559	2.619	0.849	2.033	0.352	1.102
1063	4294.2	2.5267	9.512	2.612	0.850	2.014	0.349	1.104
1064	4306.5	2.5356	9.466	2.606	0.851	1.995	0.347	1.107
1065	4318.9	2.5445	9.421	2.599	0.852	1.977	0.345	1.111
1066	4331.3	2.5534	9.375	2.593	0.853	1.959	0.342	1.114
1067	4343.7	2.5624	9.330	2.586	0.854	1.940	0.340	1.116
1068	4356.2	2.5714	9.285	2.579	0.855	1.923	0.338	1.118
1069	4368.7	2.5804	9.240	2.573	0.856	1.905	0.335	1.119
1070	4381.2	2.5895	9.195	2.566	0.857	1.887	0.333	1.119
1071	4393.8	2.5986	9.151	2.560	0.858	1.870	0.331	1.119
1072	4406.4	2.6077	9.107	2.553	0.859	1.852	0.329	1.118
1073	4419.0	2.6168	9.062	2.547	0.860	1.835	0.326	1.117
1074	4431.6	2.6260	9.019	2.540	0.861	1.818	0.324	1.115
1075	4444.3	2.6352	8.975	2.534	0.862	1.801	0.322	1.114
1076	4457.0	2.6445	8.931	2.527	0.863	1.785	0.320	1.112
1077	4469.8	2.6537	8.888	2.521	0.864	1.768	0.318	1.111
1078	4482.6	2.6630	8.845	2.514	0.866	1.752	0.316	1.110
1079	4495.4	2.6724	8.802	2.508	0.867	1.735	0.313	1.110
1080	4508.2	2.6817	8.759	2.502	0.868	1.719	0.311	1.111

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1081	4521.1	2.6911	8.717	2.495	0.869	1.703	0.309	1.112
1082	4534.0	2.7006	8.674	2.489	0.870	1.687	0.307	1.114
1083	4547.0	2.7100	8.632	2.482	0.871	1.672	0.305	1.117
1084	4560.0	2.7195	8.590	2.476	0.872	1.656	0.303	1.120
1085	4573.0	2.7291	8.548	2.470	0.873	1.640	0.301	1.124
1086	4586.0	2.7386	8.506	2.463	0.874	1.625	0.299	1.127
1087	4599.1	2.7482	8.464	2.457	0.875	1.610	0.297	1.128
1088	4612.2	2.7578	8.423	2.451	0.876	1.595	0.295	1.129
1089	4625.4	2.7675	8.382	2.444	0.877	1.580	0.293	1.130
1090	4638.6	2.7772	8.341	2.438	0.878	1.565	0.291	1.129
1091	4651.8	2.7869	8.300	2.432	0.880	1.550	0.289	1.129
1092	4665.1	2.7967	8.259	2.425	0.881	1.536	0.287	1.127
1093	4678.3	2.8065	8.219	2.419	0.882	1.521	0.285	1.126
1094	4691.7	2.8163	8.179	2.413	0.883	1.507	0.283	1.125
1095	4705.0	2.8261	8.140	2.406	0.884	1.493	0.281	1.123
1096	4718.4	2.8360	8.100	2.400	0.885	1.479	0.279	1.122
1097	4731.8	2.8459	8.061	2.394	0.886	1.466	0.277	1.121
1098	4745.3	2.8559	8.022	2.388	0.887	1.452	0.276	1.121
1099	4758.8	2.8659	7.984	2.382	0.888	1.439	0.274	1.121
1100	4772.3	2.8759	7.946	2.375	0.889	1.425	0.272	1.122
1101	4785.9	2.8860	7.907	2.369	0.890	1.412	0.270	1.124
1102	4799.5	2.8961	7.870	2.363	0.892	1.399	0.268	1.127
1103	4813.2	2.9062	7.832	2.357	0.893	1.386	0.266	1.130
1104	4826.8	2.9164	7.794	2.351	0.894	1.374	0.265	1.134
1105	4840.6	2.9266	7.757	2.345	0.895	1.361	0.263	1.137
1106	4854.3	2.9368	7.720	2.339	0.896	1.348	0.261	1.139
1107	4868.1	2.9471	7.683	2.332	0.897	1.336	0.259	1.141
1108	4881.9	2.9574	7.646	2.326	0.898	1.324	0.258	1.141
1109	4895.8	2.9677	7.610	2.320	0.899	1.312	0.256	1.141
1110	4909.7	2.9781	7.573	2.314	0.900	1.299	0.254	1.141
1111	4923.6	2.9885	7.537	2.308	0.901	1.287	0.252	1.140
1112	4937.6	2.9989	7.501	2.302	0.903	1.276	0.251	1.139
1113	4951.6	3.0094	7.465	2.296	0.904	1.264	0.249	1.137
1114	4965.7	3.0199	7.430	2.290	0.905	1.252	0.247	1.136
1115	4979.7	3.0305	7.394	2.284	0.906	1.241	0.246	1.135
1116	4993.9	3.0411	7.359	2.278	0.907	1.229	0.244	1.134
1117	5008.0	3.0517	7.324	2.272	0.908	1.218	0.242	1.133
1118	5022.2	3.0623	7.289	2.266	0.909	1.207	0.241	1.133
1119	5036.5	3.0730	7.255	2.260	0.910	1.196	0.239	1.134
1120	5050.7	3.0838	7.220	2.254	0.911	1.185	0.237	1.135
1121	5065.1	3.0945	7.186	2.248	0.913	1.174	0.236	1.139
1122	5079.4	3.1053	7.152	2.242	0.914	1.163	0.234	1.141
1123	5093.8	3.1162	7.118	2.236	0.915	1.153	0.233	1.144
1124	5108.2	3.1270	7.084	2.231	0.916	1.142	0.231	1.147
1125	5122.7	3.1380	7.050	2.225	0.917	1.132	0.230	1.150

AD-A160 567 REFLECT-4 CODE COMPUTATIONS OF 40 KT NUCLEAR BLAST 2/6
WAVES REFLECTED FROM T.. (U) KAMAN AVIDYNE BURLINGTON MA
R F SMILEY ET AL. 14 SEP 84 KA-TR-222-VOL-2
UNCLASSIFIED DNA-TR-84-348-V2 DNA001-83-C-0351 F/G 18/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1126	5137.2	3.1489	7.017	2.219	0.918	1.121	0.228	1.153
1127	5151.8	3.1599	6.984	2.213	0.919	1.111	0.226	1.154
1128	5166.4	3.1709	6.951	2.207	0.920	1.101	0.225	1.155
1129	5181.0	3.1820	6.918	2.201	0.922	1.091	0.223	1.154
1130	5195.6	3.1931	6.885	2.195	0.923	1.081	0.222	1.154
1131	5210.4	3.2042	6.853	2.190	0.924	1.071	0.220	1.153
1132	5225.1	3.2154	6.820	2.184	0.925	1.061	0.219	1.152
1133	5239.9	3.2266	6.788	2.178	0.926	1.052	0.217	1.150
1134	5254.7	3.2379	6.756	2.172	0.927	1.042	0.216	1.149
1135	5269.6	3.2492	6.725	2.166	0.928	1.033	0.214	1.148
1136	5284.5	3.2605	6.693	2.161	0.929	1.023	0.213	1.147
1137	5299.4	3.2719	6.662	2.155	0.931	1.014	0.212	1.146
1138	5314.4	3.2833	6.630	2.149	0.932	1.005	0.210	1.147
1139	5329.5	3.2947	6.599	2.144	0.933	0.996	0.209	1.147
1140	5344.5	3.3062	6.568	2.138	0.934	0.987	0.207	1.149
1141	5359.6	3.3177	6.538	2.132	0.935	0.978	0.206	1.152
1142	5374.8	3.3293	6.507	2.126	0.936	0.969	0.204	1.155
1143	5390.0	3.3409	6.477	2.121	0.937	0.960	0.203	1.158
1144	5405.2	3.3525	6.447	2.115	0.939	0.951	0.202	1.161
1145	5420.5	3.3642	6.416	2.110	0.940	0.943	0.200	1.164
1146	5435.8	3.3759	6.387	2.104	0.941	0.934	0.199	1.167
1147	5451.2	3.3877	6.357	2.098	0.942	0.926	0.198	1.168
1148	5466.6	3.3995	6.327	2.093	0.943	0.918	0.196	1.169
1149	5482.1	3.4113	6.298	2.087	0.944	0.909	0.195	1.169
1150	5497.6	3.4232	6.269	2.082	0.945	0.901	0.194	1.168
1151	5513.1	3.4351	6.239	2.076	0.946	0.893	0.192	1.167
1152	5528.7	3.4471	6.211	2.070	0.948	0.885	0.191	1.166
1153	5544.3	3.4591	6.182	2.065	0.949	0.877	0.190	1.165
1154	5560.0	3.4711	6.153	2.059	0.950	0.869	0.188	1.163
1155	5575.7	3.4832	6.125	2.054	0.951	0.861	0.187	1.162
1156	5591.4	3.4953	6.096	2.048	0.952	0.854	0.186	1.161
1157	5607.2	3.5075	6.068	2.043	0.953	0.846	0.185	1.161
1158	5623.0	3.5197	6.040	2.037	0.955	0.838	0.183	1.161
1159	5638.9	3.5319	6.012	2.032	0.956	0.831	0.182	1.162
1160	5654.8	3.5442	5.984	2.026	0.957	0.823	0.181	1.163
1161	5670.8	3.5565	5.957	2.021	0.958	0.816	0.180	1.166
1162	5686.8	3.5689	5.929	2.015	0.959	0.809	0.178	1.169
1163	5702.9	3.5813	5.902	2.010	0.960	0.801	0.177	1.172
1164	5719.0	3.5937	5.875	2.005	0.962	0.794	0.176	1.175
1165	5735.1	3.6062	5.848	1.999	0.963	0.787	0.175	1.178
1166	5751.3	3.6188	5.821	1.994	0.964	0.780	0.174	1.181
1167	5767.6	3.6314	5.794	1.988	0.965	0.773	0.172	1.183
1168	5783.9	3.6440	5.767	1.983	0.966	0.766	0.171	1.184
1169	5800.2	3.6566	5.741	1.978	0.967	0.759	0.170	1.184
1170	5816.6	3.6693	5.714	1.972	0.968	0.753	0.169	1.184

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1171	5833.0	3.6821	5.688	1.967	0.969	0.746	0.168	1.183
1172	5849.4	3.6949	5.662	1.962	0.971	0.739	0.167	1.182
1173	5865.9	3.7077	5.636	1.956	0.972	0.733	0.165	1.181
1174	5882.5	3.7206	5.610	1.951	0.973	0.726	0.164	1.179
1175	5899.1	3.7335	5.584	1.946	0.974	0.720	0.163	1.178
1176	5915.8	3.7465	5.559	1.941	0.975	0.713	0.162	1.177
1177	5932.5	3.7595	5.533	1.935	0.976	0.707	0.161	1.176
1178	5949.2	3.7725	5.508	1.930	0.978	0.701	0.160	1.176
1179	5966.0	3.7856	5.483	1.925	0.979	0.694	0.159	1.177
1180	5982.8	3.7988	5.458	1.920	0.980	0.688	0.158	1.178
1181	5999.7	3.8119	5.433	1.914	0.981	0.682	0.157	1.181
1182	6016.6	3.8252	5.408	1.909	0.982	0.676	0.156	1.183
1183	6033.6	3.8384	5.383	1.904	0.984	0.670	0.154	1.187
1184	6050.6	3.8518	5.358	1.899	0.985	0.664	0.153	1.190
1185	6067.7	3.8651	5.334	1.894	0.986	0.658	0.152	1.193
1186	6084.8	3.8785	5.310	1.888	0.987	0.652	0.151	1.196
1187	6102.0	3.8920	5.285	1.883	0.988	0.647	0.150	1.198
1188	6119.2	3.9055	5.261	1.878	0.990	0.641	0.149	1.200
1189	6136.5	3.9190	5.237	1.873	0.991	0.635	0.148	1.200
1190	6153.8	3.9326	5.213	1.868	0.992	0.629	0.147	1.200
1191	6171.2	3.9462	5.190	1.863	0.993	0.624	0.146	1.200
1192	6188.6	3.9599	5.166	1.858	0.994	0.618	0.145	1.199
1193	6206.0	3.9736	5.142	1.853	0.995	0.613	0.144	1.198
1194	6223.5	3.9873	5.119	1.848	0.996	0.607	0.143	1.196
1195	6241.0	4.0011	5.096	1.843	0.997	0.602	0.142	1.195
1196	6258.6	4.0150	5.073	1.838	0.999	0.597	0.141	1.194
1197	6276.2	4.0288	5.050	1.832	1.000	0.591	0.140	1.193
1198	6293.9	4.0427	5.027	1.827	1.001	0.586	0.139	1.193
1199	6311.6	4.0567	5.004	1.822	1.002	0.581	0.138	1.193
1200	6329.3	4.0707	4.981	1.818	1.003	0.576	0.137	1.194
1201	6347.1	4.0847	4.959	1.813	1.005	0.571	0.136	1.196
1202	6364.9	4.0988	4.936	1.808	1.006	0.566	0.135	1.198
1203	6382.7	4.1129	4.914	1.803	1.007	0.561	0.135	1.201
1204	6400.6	4.1270	4.892	1.798	1.008	0.556	0.134	1.205
1205	6418.6	4.1412	4.870	1.793	1.010	0.551	0.133	1.208
1206	6436.6	4.1554	4.848	1.788	1.011	0.546	0.132	1.211
1207	6454.6	4.1697	4.826	1.783	1.012	0.541	0.131	1.214
1208	6472.7	4.1840	4.804	1.778	1.013	0.537	0.130	1.216
1209	6490.8	4.1984	4.783	1.773	1.014	0.532	0.129	1.217
1210	6508.9	4.2127	4.761	1.768	1.015	0.527	0.128	1.218
1211	6527.1	4.2272	4.740	1.763	1.017	0.523	0.127	1.218
1212	6543.2	4.2399	4.721	1.759	1.018	0.519	0.127	1.217
1213	6561.4	4.2544	4.700	1.755	1.019	0.514	0.126	1.216
1214	6579.8	4.2689	4.679	1.750	1.020	0.510	0.125	1.215
1215	6598.1	4.2835	4.658	1.745	1.021	0.505	0.124	1.213

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1216	6616.5	4.2982	4.637	1.740	1.022	0.501	0.123	1.212
1217	6635.0	4.3128	4.617	1.736	1.023	0.496	0.122	1.211
1218	6653.5	4.3275	4.596	1.731	1.024	0.492	0.121	1.210
1219	6672.0	4.3423	4.575	1.726	1.026	0.488	0.121	1.210
1220	6690.6	4.3571	4.555	1.721	1.027	0.484	0.120	1.210
1221	6709.2	4.3719	4.535	1.717	1.028	0.479	0.119	1.211
1222	6727.8	4.3868	4.515	1.712	1.029	0.475	0.118	1.213
1223	6746.6	4.4017	4.494	1.707	1.030	0.471	0.117	1.215
1224	6765.3	4.4167	4.474	1.703	1.032	0.467	0.117	1.218
1225	6784.1	4.4317	4.455	1.698	1.033	0.463	0.116	1.222
1226	6802.9	4.4467	4.435	1.693	1.034	0.459	0.115	1.225
1227	6821.8	4.4618	4.415	1.689	1.035	0.455	0.114	1.229
1228	6840.7	4.4769	4.396	1.684	1.036	0.451	0.113	1.231
1229	6859.7	4.4921	4.376	1.680	1.038	0.447	0.113	1.233
1230	6878.7	4.5073	4.357	1.675	1.039	0.443	0.112	1.235
1231	6897.8	4.5226	4.337	1.670	1.040	0.439	0.111	1.235
1232	6916.9	4.5379	4.318	1.666	1.041	0.436	0.110	1.235
1233	6936.1	4.5532	4.299	1.661	1.042	0.432	0.110	1.235
1234	6955.3	4.5686	4.280	1.657	1.043	0.428	0.109	1.234
1235	6974.5	4.5840	4.261	1.652	1.045	0.424	0.108	1.233
1236	6993.8	4.5995	4.243	1.648	1.046	0.421	0.107	1.231
1237	7013.1	4.6150	4.224	1.643	1.047	0.417	0.107	1.230
1238	7032.5	4.6306	4.205	1.639	1.048	0.414	0.106	1.229
1239	7051.9	4.6462	4.187	1.634	1.049	0.410	0.105	1.228
1240	7071.4	4.6618	4.168	1.630	1.050	0.406	0.104	1.228
1241	7090.9	4.6775	4.150	1.625	1.051	0.403	0.104	1.228
1242	7110.4	4.6932	4.132	1.621	1.053	0.399	0.103	1.229
1243	7130.1	4.7090	4.114	1.616	1.054	0.396	0.102	1.231
1244	7149.7	4.7248	4.096	1.612	1.055	0.393	0.102	1.234
1245	7169.4	4.7407	4.078	1.608	1.056	0.389	0.101	1.236
1246	7189.1	4.7566	4.060	1.603	1.057	0.386	0.100	1.240
1247	7208.9	4.7726	4.042	1.599	1.059	0.383	0.100	1.243
1248	7228.8	4.7886	4.025	1.595	1.060	0.379	0.099	1.246
1249	7248.7	4.8046	4.007	1.590	1.061	0.376	0.098	1.249
1250	7268.6	4.8207	3.989	1.586	1.062	0.373	0.098	1.251
1251	7288.6	4.8368	3.972	1.582	1.063	0.370	0.097	1.253
1252	7308.6	4.8530	3.955	1.577	1.065	0.367	0.096	1.254
1253	7328.7	4.8692	3.938	1.573	1.066	0.363	0.096	1.254
1254	7348.8	4.8855	3.920	1.569	1.067	0.360	0.095	1.254
1255	7369.0	4.9018	3.903	1.564	1.068	0.357	0.094	1.253
1256	7389.2	4.9181	3.886	1.560	1.069	0.354	0.094	1.252
1257	7409.4	4.9345	3.869	1.556	1.071	0.351	0.093	1.250
1258	7429.7	4.9510	3.853	1.552	1.072	0.348	0.092	1.249
1259	7450.1	4.9674	3.836	1.547	1.073	0.345	0.092	1.248
1260	7470.5	4.9840	3.819	1.543	1.074	0.342	0.091	1.247

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1261	7491.0	5.0006	3.803	1.539	1.075	0.339	0.091	1.247
1262	7511.5	5.0172	3.786	1.535	1.076	0.337	0.090	1.247
1263	7532.0	5.0339	3.770	1.531	1.077	0.334	0.089	1.247
1264	7552.6	5.0506	3.754	1.526	1.079	0.331	0.089	1.249
1265	7573.3	5.0673	3.738	1.522	1.080	0.328	0.088	1.251
1266	7594.0	5.0841	3.721	1.518	1.081	0.325	0.088	1.254
1267	7614.7	5.1010	3.705	1.514	1.082	0.323	0.087	1.257
1268	7635.5	5.1179	3.689	1.510	1.083	0.320	0.086	1.260
1269	7656.3	5.1348	3.674	1.506	1.084	0.317	0.086	1.264
1270	7677.2	5.1518	3.658	1.502	1.086	0.314	0.085	1.266
1271	7698.2	5.1689	3.642	1.497	1.087	0.312	0.085	1.269
1272	7719.2	5.1860	3.626	1.493	1.088	0.309	0.084	1.271
1273	7740.2	5.2031	3.611	1.489	1.089	0.307	0.083	1.272
1274	7761.3	5.2203	3.595	1.485	1.090	0.304	0.083	1.273
1275	7782.4	5.2375	3.580	1.481	1.092	0.301	0.082	1.273
1276	7803.6	5.2548	3.564	1.477	1.093	0.299	0.082	1.272
1277	7824.9	5.2721	3.549	1.473	1.094	0.296	0.081	1.271
1278	7846.2	5.2895	3.534	1.469	1.095	0.294	0.081	1.270
1279	7867.5	5.3069	3.519	1.465	1.096	0.291	0.080	1.269
1280	7888.9	5.3244	3.504	1.461	1.097	0.289	0.080	1.268
1281	7910.4	5.3419	3.489	1.457	1.099	0.287	0.079	1.267
1282	7931.9	5.3594	3.474	1.453	1.100	0.284	0.079	1.266
1283	7953.4	5.3770	3.459	1.449	1.101	0.282	0.078	1.266
1284	7975.0	5.3947	3.444	1.445	1.102	0.279	0.077	1.266
1285	7996.6	5.4124	3.430	1.441	1.103	0.277	0.077	1.267
1286	8018.3	5.4302	3.415	1.437	1.104	0.275	0.076	1.269
1287	8040.1	5.4480	3.401	1.433	1.106	0.273	0.076	1.272
1288	8061.9	5.4658	3.386	1.429	1.107	0.270	0.075	1.274
1289	8083.8	5.4837	3.372	1.426	1.108	0.268	0.075	1.277
1290	8105.7	5.5017	3.357	1.422	1.109	0.266	0.074	1.281
1291	8127.6	5.5197	3.343	1.418	1.110	0.264	0.074	1.284
1292	8149.6	5.5377	3.329	1.414	1.111	0.261	0.073	1.287
1293	8171.7	5.5558	3.315	1.410	1.112	0.259	0.073	1.289
1294	8193.8	5.5740	3.301	1.406	1.114	0.257	0.072	1.291
1295	8216.0	5.5921	3.287	1.402	1.115	0.255	0.072	1.292
1296	8238.2	5.6104	3.273	1.399	1.116	0.253	0.071	1.293
1297	8260.5	5.6287	3.259	1.395	1.117	0.251	0.071	1.293
1298	8282.8	5.6470	3.245	1.391	1.118	0.249	0.070	1.292
1299	8305.2	5.6654	3.231	1.387	1.120	0.246	0.070	1.291
1300	8327.6	5.6839	3.218	1.383	1.121	0.244	0.070	1.289
1301	8350.1	5.7024	3.204	1.380	1.122	0.242	0.069	1.288
1302	8372.6	5.7209	3.191	1.376	1.123	0.240	0.069	1.287
1303	8395.2	5.7395	3.177	1.372	1.124	0.238	0.068	1.286
1304	8417.9	5.7581	3.164	1.368	1.125	0.236	0.068	1.285
1305	8440.6	5.7768	3.150	1.365	1.127	0.234	0.067	1.285

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1306	8463.3	5.7956	3.137	1.361	1.128	0.233	0.067	1.286
1307	8486.2	5.8144	3.124	1.357	1.129	0.231	0.066	1.287
1308	8509.0	5.8332	3.111	1.353	1.130	0.229	0.066	1.289
1309	8531.9	5.8521	3.098	1.350	1.131	0.227	0.065	1.292
1310	8554.9	5.8711	3.085	1.346	1.132	0.225	0.065	1.295
1311	8577.9	5.8901	3.072	1.342	1.133	0.223	0.065	1.298
1312	8601.0	5.9091	3.059	1.339	1.135	0.221	0.064	1.301
1313	8624.2	5.9282	3.046	1.335	1.136	0.219	0.064	1.304
1314	8647.4	5.9474	3.033	1.331	1.137	0.218	0.063	1.307
1315	8670.6	5.9666	3.021	1.328	1.138	0.216	0.063	1.310
1316	8693.9	5.9858	3.008	1.324	1.139	0.214	0.062	1.311
1317	8717.3	6.0051	2.995	1.321	1.140	0.212	0.062	1.312
1318	8740.7	6.0245	2.983	1.317	1.141	0.210	0.062	1.312
1319	8764.2	6.0439	2.970	1.313	1.143	0.209	0.061	1.312
1320	8787.7	6.0634	2.958	1.310	1.144	0.207	0.061	1.311
1321	8811.3	6.0829	2.945	1.306	1.145	0.205	0.060	1.310
1322	8834.9	6.1025	2.933	1.303	1.146	0.204	0.060	1.309
1323	8858.6	6.1221	2.920	1.299	1.147	0.202	0.060	1.308
1324	8882.4	6.1418	2.908	1.296	1.149	0.200	0.059	1.306
1325	8906.2	6.1615	2.896	1.292	1.150	0.199	0.059	1.305
1326	8930.0	6.1813	2.884	1.289	1.151	0.197	0.058	1.305
1327	8954.0	6.2011	2.872	1.285	1.152	0.195	0.058	1.305
1328	8978.0	6.2210	2.860	1.282	1.153	0.194	0.058	1.306
1329	9002.0	6.2410	2.848	1.278	1.155	0.192	0.057	1.307
1330	9026.1	6.2609	2.836	1.275	1.156	0.191	0.057	1.309
1331	9050.2	6.2810	2.824	1.271	1.157	0.189	0.056	1.311
1332	9074.5	6.3011	2.812	1.268	1.158	0.187	0.056	1.315
1333	9098.7	6.3213	2.801	1.264	1.159	0.186	0.056	1.318
1334	9123.0	6.3415	2.789	1.261	1.160	0.184	0.055	1.321
1335	9147.4	6.3617	2.777	1.257	1.161	0.183	0.055	1.325
1336	9171.9	6.3821	2.766	1.254	1.163	0.181	0.055	1.328
1337	9196.4	6.4024	2.754	1.250	1.164	0.180	0.054	1.330
1338	9220.9	6.4229	2.743	1.247	1.165	0.178	0.054	1.331
1339	9245.6	6.4434	2.732	1.244	1.166	0.177	0.053	1.332
1340	9270.2	6.4639	2.720	1.240	1.167	0.176	0.053	1.333
1341	9295.0	6.4845	2.709	1.237	1.168	0.174	0.053	1.332
1342	9319.8	6.5051	2.698	1.233	1.169	0.173	0.052	1.331
1343	9344.6	6.5258	2.687	1.230	1.170	0.171	0.052	1.330
1344	9369.5	6.5466	2.675	1.227	1.172	0.170	0.052	1.329
1345	9394.5	6.5674	2.664	1.223	1.173	0.168	0.051	1.328
1346	9419.6	6.5883	2.653	1.220	1.174	0.167	0.051	1.326
1347	9444.6	6.6092	2.642	1.217	1.175	0.166	0.051	1.325
1348	9469.8	6.6302	2.632	1.213	1.176	0.164	0.050	1.325
1349	9495.0	6.6512	2.621	1.210	1.178	0.163	0.050	1.325
1350	9520.3	6.6723	2.610	1.207	1.179	0.162	0.050	1.325

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1351	9545.6	6.6935	2.599	1.203	1.180	0.160	0.049	1.327
1352	9571.0	6.7147	2.588	1.200	1.181	0.159	0.049	1.329
1353	9596.5	6.7360	2.578	1.197	1.182	0.158	0.049	1.332
1354	9622.0	6.7573	2.567	1.194	1.184	0.157	0.048	1.335
1355	9647.6	6.7787	2.557	1.190	1.185	0.155	0.048	1.338
1356	9673.2	6.8001	2.546	1.187	1.186	0.154	0.048	1.342
1357	9698.9	6.8216	2.536	1.184	1.187	0.153	0.047	1.345
1358	9724.7	6.8432	2.525	1.181	1.188	0.152	0.047	1.348
1359	9750.5	6.8648	2.515	1.177	1.189	0.150	0.047	1.350
1360	9776.4	6.8864	2.504	1.174	1.190	0.149	0.046	1.352
1361	9802.4	6.9082	2.494	1.171	1.192	0.148	0.046	1.353
1362	9825.2	6.9273	2.485	1.168	1.193	0.147	0.046	1.353
1363	9851.3	6.9491	2.475	1.165	1.194	0.146	0.046	1.353
1364	9877.4	6.9710	2.465	1.162	1.195	0.144	0.045	1.352
1365	9903.6	6.9930	2.455	1.159	1.196	0.143	0.045	1.351
1366	9929.9	7.0150	2.445	1.156	1.197	0.142	0.045	1.350
1367	9956.2	7.0370	2.435	1.152	1.198	0.141	0.044	1.348
1368	9982.6	7.0592	2.425	1.149	1.199	0.140	0.044	1.347
1369	10009.0	7.0814	2.415	1.146	1.201	0.139	0.044	1.346
1370	10035.6	7.1036	2.405	1.143	1.202	0.138	0.044	1.345
1371	10062.1	7.1259	2.395	1.140	1.203	0.137	0.043	1.345
1372	10088.8	7.1483	2.385	1.137	1.204	0.135	0.043	1.346
1373	10115.5	7.1707	2.376	1.134	1.205	0.134	0.043	1.347
1374	10142.2	7.1932	2.366	1.131	1.207	0.133	0.042	1.349
1375	10169.1	7.2157	2.356	1.127	1.208	0.132	0.042	1.352
1376	10196.0	7.2383	2.347	1.124	1.209	0.131	0.042	1.355
1377	10222.9	7.2610	2.337	1.121	1.210	0.130	0.042	1.358
1378	10250.0	7.2837	2.328	1.118	1.211	0.129	0.041	1.361
1379	10277.0	7.3065	2.318	1.115	1.212	0.128	0.041	1.364
1380	10304.2	7.3293	2.309	1.112	1.214	0.127	0.041	1.367
1381	10331.4	7.3522	2.299	1.109	1.215	0.126	0.040	1.370
1382	10358.7	7.3752	2.290	1.106	1.216	0.125	0.040	1.372
1383	10386.1	7.3982	2.281	1.103	1.217	0.124	0.040	1.373
1384	10413.5	7.4213	2.271	1.100	1.218	0.123	0.040	1.374
1385	10441.0	7.4444	2.262	1.097	1.219	0.122	0.039	1.373
1386	10468.5	7.4676	2.253	1.094	1.221	0.121	0.039	1.373
1387	10496.1	7.4909	2.244	1.091	1.222	0.120	0.039	1.372
1388	10523.8	7.5142	2.235	1.088	1.223	0.119	0.039	1.370
1389	10551.6	7.5376	2.226	1.085	1.224	0.118	0.038	1.369
1390	10579.4	7.5610	2.217	1.082	1.225	0.117	0.038	1.368
1391	10607.3	7.5846	2.208	1.079	1.226	0.116	0.038	1.367
1392	10635.2	7.6081	2.199	1.076	1.227	0.115	0.038	1.366
1393	10663.2	7.6318	2.190	1.073	1.229	0.114	0.037	1.366
1394	10691.3	7.6555	2.181	1.071	1.230	0.113	0.037	1.366
1395	10719.5	7.6792	2.172	1.068	1.231	0.113	0.037	1.367

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1396	10747.7	7.7031	2.163	1.065	1.232	0.112	0.037	1.369
1397	10776.0	7.7270	2.154	1.062	1.233	0.111	0.036	1.372
1398	10804.3	7.7509	2.146	1.059	1.235	0.110	0.036	1.375
1399	10832.8	7.7749	2.137	1.056	1.236	0.109	0.036	1.378
1400	10861.3	7.7990	2.128	1.053	1.237	0.108	0.036	1.381
1401	10889.8	7.8231	2.120	1.050	1.238	0.107	0.035	1.385
1402	10918.5	7.8473	2.111	1.047	1.239	0.106	0.035	1.388
1403	10947.2	7.8716	2.103	1.045	1.240	0.106	0.035	1.391
1404	10975.9	7.8959	2.094	1.042	1.242	0.105	0.035	1.392
1405	11004.8	7.9203	2.086	1.039	1.243	0.104	0.034	1.394
1406	11033.7	7.9448	2.077	1.036	1.244	0.103	0.034	1.394
1407	11062.7	7.9693	2.069	1.033	1.245	0.102	0.034	1.394
1408	11091.7	7.9939	2.061	1.030	1.246	0.101	0.034	1.394
1409	11120.8	8.0186	2.052	1.028	1.247	0.101	0.034	1.393
1410	11150.0	8.0433	2.044	1.025	1.248	0.100	0.033	1.392
1411	11179.3	8.0681	2.036	1.022	1.250	0.099	0.033	1.390
1412	11208.6	8.0929	2.028	1.019	1.251	0.098	0.033	1.389
1413	11238.0	8.1179	2.020	1.016	1.252	0.097	0.033	1.388
1414	11267.5	8.1428	2.012	1.014	1.253	0.097	0.032	1.387
1415	11297.1	8.1679	2.003	1.011	1.254	0.096	0.032	1.387
1416	11326.7	8.1930	1.995	1.008	1.255	0.095	0.032	1.387
1417	11356.4	8.2182	1.987	1.005	1.256	0.094	0.032	1.388
1418	11386.1	8.2434	1.979	1.003	1.258	0.094	0.032	1.390
1419	11416.0	8.2687	1.972	1.000	1.259	0.093	0.031	1.392
1420	11445.9	8.2941	1.964	0.997	1.260	0.092	0.031	1.395
1421	11475.8	8.3196	1.956	0.995	1.261	0.091	0.031	1.398
1422	11505.9	8.3451	1.948	0.992	1.262	0.091	0.031	1.402
1423	11536.0	8.3706	1.940	0.989	1.263	0.090	0.031	1.405
1424	11566.2	8.3963	1.932	0.986	1.265	0.089	0.030	1.408
1425	11596.5	8.4220	1.925	0.984	1.266	0.089	0.030	1.411
1426	11626.8	8.4478	1.917	0.981	1.267	0.088	0.030	1.413
1427	11657.2	8.4736	1.909	0.978	1.268	0.087	0.030	1.415
1428	11687.7	8.4995	1.902	0.976	1.269	0.086	0.030	1.415
1429	11718.3	8.5255	1.894	0.973	1.270	0.086	0.029	1.416
1430	11748.9	8.5516	1.886	0.970	1.272	0.085	0.029	1.415
1431	11779.6	8.5777	1.879	0.968	1.273	0.084	0.029	1.414
1432	11810.4	8.6039	1.871	0.965	1.274	0.084	0.029	1.413
1433	11841.3	8.6301	1.864	0.963	1.275	0.083	0.029	1.412
1434	11872.2	8.6565	1.856	0.960	1.276	0.082	0.028	1.410
1435	11903.2	8.6828	1.849	0.957	1.277	0.082	0.028	1.409
1436	11934.3	8.7093	1.842	0.955	1.279	0.081	0.028	1.408
1437	11965.4	8.7358	1.834	0.952	1.280	0.081	0.028	1.408
1438	11996.7	8.7624	1.827	0.950	1.281	0.080	0.028	1.408
1439	12028.0	8.7891	1.820	0.947	1.282	0.079	0.028	1.409
1440	12059.3	8.8158	1.813	0.944	1.283	0.079	0.027	1.410

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1441	12090.8	8.8426	1.805	0.942	1.284	0.078	0.027	1.412
1442	12122.3	8.8695	1.798	0.939	1.285	0.077	0.027	1.415
1443	12153.9	8.8965	1.791	0.937	1.287	0.077	0.027	1.419
1444	12185.6	8.9235	1.784	0.934	1.288	0.076	0.027	1.422
1445	12217.4	8.9506	1.777	0.932	1.289	0.076	0.026	1.425
1446	12249.2	8.9777	1.770	0.929	1.290	0.075	0.026	1.428
1447	12281.1	9.0049	1.763	0.927	1.291	0.074	0.026	1.431
1448	12313.1	9.0322	1.756	0.924	1.293	0.074	0.026	1.434
1449	12345.2	9.0596	1.749	0.921	1.294	0.073	0.026	1.436
1450	12377.3	9.0870	1.742	0.919	1.295	0.073	0.026	1.437
1451	12409.6	9.1145	1.735	0.916	1.296	0.072	0.025	1.437
1452	12441.9	9.1421	1.728	0.914	1.297	0.072	0.025	1.437
1453	12474.2	9.1698	1.721	0.912	1.298	0.071	0.025	1.436
1454	12506.7	9.1975	1.714	0.909	1.300	0.070	0.025	1.435
1455	12539.2	9.2253	1.707	0.907	1.301	0.070	0.025	1.433
1456	12571.8	9.2532	1.701	0.904	1.302	0.069	0.025	1.432
1457	12604.5	9.2811	1.694	0.902	1.303	0.069	0.024	1.431
1458	12637.3	9.3091	1.687	0.899	1.304	0.068	0.024	1.430
1459	12670.1	9.3372	1.681	0.897	1.305	0.068	0.024	1.429
1460	12703.1	9.3654	1.674	0.894	1.306	0.067	0.024	1.429
1461	12736.1	9.3936	1.667	0.892	1.308	0.067	0.024	1.430
1462	12769.2	9.4219	1.661	0.889	1.309	0.066	0.024	1.431
1463	12802.3	9.4503	1.654	0.887	1.310	0.066	0.024	1.433
1464	12835.6	9.4787	1.648	0.885	1.311	0.065	0.023	1.437
1465	12868.9	9.5072	1.641	0.882	1.312	0.065	0.023	1.437
1466	12902.3	9.5358	1.635	0.880	1.313	0.064	0.023	1.438
1467	12935.8	9.5645	1.628	0.877	1.314	0.064	0.023	1.439
1468	12969.4	9.5933	1.622	0.875	1.316	0.063	0.023	1.440
1469	13003.0	9.6221	1.615	0.873	1.317	0.063	0.023	1.442
1470	13036.7	9.6510	1.609	0.870	1.317	0.062	0.022	1.444
1471	13070.6	9.6799	1.602	0.868	1.317	0.062	0.022	1.447
1472	13104.5	9.7090	1.596	0.865	1.317	0.061	0.022	1.450
1473	13138.4	9.7381	1.590	0.863	1.318	0.061	0.022	1.451
1474	13172.5	9.7673	1.584	0.861	1.319	0.060	0.022	1.455
1475	13206.6	9.7966	1.577	0.858	1.320	0.060	0.022	1.458
1476	13240.9	9.8259	1.571	0.856	1.321	0.059	0.022	1.460
1477	13275.2	9.8553	1.565	0.853	1.322	0.059	0.021	1.462
1478	13309.6	9.8848	1.559	0.851	1.323	0.058	0.021	1.464
1479	13344.0	9.9144	1.553	0.849	1.324	0.058	0.021	1.464
1480	13378.6	9.9441	1.546	0.846	1.325	0.057	0.021	1.465
1481	13413.2	9.9738	1.540	0.844	1.326	0.057	0.021	1.464
1482	13447.9	10.0036	1.534	0.841	1.327	0.057	0.021	1.464
1483	13482.7	10.0335	1.528	0.839	1.328	0.056	0.021	1.463
1484	13517.6	10.0634	1.522	0.837	1.329	0.056	0.021	1.461
1485	13552.6	10.0935	1.516	0.834	1.330	0.055	0.020	1.460

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1486	13587.7	10.1236	1.510	0.832	1.331	0.055	0.020	1.460
1487	13622.8	10.1538	1.504	0.829	1.332	0.054	0.020	1.459
1488	13658.0	10.1840	1.498	0.827	1.333	0.054	0.020	1.459
1489	13693.4	10.2144	1.493	0.825	1.334	0.053	0.020	1.459
1490	13728.8	10.2448	1.487	0.822	1.336	0.053	0.020	1.461
1491	13764.2	10.2753	1.481	0.820	1.337	0.053	0.020	1.463
1492	13799.8	10.3059	1.475	0.818	1.338	0.052	0.019	1.465
1493	13835.5	10.3365	1.469	0.815	1.339	0.052	0.019	1.468
1494	13871.2	10.3673	1.463	0.813	1.340	0.051	0.019	1.472
1495	13907.1	10.3981	1.458	0.811	1.341	0.051	0.019	1.472
1496	13943.0	10.4290	1.452	0.808	1.343	0.051	0.019	1.475
1497	13979.0	10.4600	1.446	0.806	1.344	0.050	0.019	1.478
1498	14015.1	10.4910	1.441	0.804	1.345	0.050	0.019	1.481
1499	14051.2	10.5222	1.435	0.802	1.346	0.049	0.019	1.482
1500	14087.5	10.5534	1.429	0.799	1.347	0.049	0.018	1.483
1501	14123.9	10.5847	1.424	0.797	1.348	0.049	0.018	1.484
1502	14160.3	10.6160	1.418	0.795	1.349	0.048	0.018	1.484
1503	14196.8	10.6475	1.413	0.793	1.351	0.048	0.018	1.483
1504	14233.5	10.6790	1.407	0.790	1.352	0.048	0.018	1.482
1505	14270.2	10.7107	1.401	0.788	1.353	0.047	0.018	1.481
1506	14307.0	10.7424	1.396	0.786	1.354	0.047	0.018	1.479
1507	14343.8	10.7741	1.390	0.784	1.355	0.046	0.018	1.478
1508	14380.8	10.8060	1.385	0.782	1.356	0.046	0.018	1.477
1509	14417.9	10.8379	1.380	0.779	1.357	0.046	0.017	1.477
1510	14455.0	10.8700	1.374	0.777	1.358	0.045	0.017	1.478
1511	14492.3	10.9021	1.369	0.775	1.360	0.045	0.017	1.479
1512	14508.0	10.9157	1.359	0.774	1.360	0.044	0.017	1.479
1513	14529.0	10.9338	1.356	0.773	1.361	0.043	0.017	1.480
1514	14550.1	10.9520	1.353	0.772	1.361	0.043	0.017	1.482
1515	14571.2	10.9702	1.351	0.770	1.362	0.043	0.017	1.483
1516	14592.3	10.9884	1.348	0.769	1.362	0.043	0.017	1.485
1517	14613.4	11.0067	1.346	0.768	1.363	0.043	0.017	1.487
1518	14634.6	11.0249	1.343	0.767	1.364	0.043	0.017	1.489
1519	14655.8	11.0432	1.341	0.765	1.364	0.042	0.017	1.489
1520	14677.1	11.0616	1.338	0.764	1.365	0.042	0.017	1.488
1521	14698.4	11.0799	1.335	0.763	1.365	0.042	0.017	1.490
1522	14719.7	11.0983	1.333	0.762	1.366	0.042	0.016	1.492
1523	14741.0	11.1167	1.330	0.761	1.367	0.042	0.016	1.494
1524	14762.4	11.1352	1.328	0.759	1.367	0.042	0.016	1.495
1525	14783.8	11.1537	1.325	0.758	1.368	0.041	0.016	1.497
1526	14805.2	11.1722	1.322	0.757	1.369	0.041	0.016	1.498
1527	14826.7	11.1907	1.320	0.756	1.369	0.041	0.016	1.498
1528	14848.2	11.2093	1.317	0.755	1.370	0.041	0.016	1.499
1529	14869.7	11.2279	1.314	0.754	1.371	0.041	0.016	1.500
1530	14891.3	11.2465	1.312	0.752	1.371	0.041	0.016	1.500

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1531	14912.9	11.2651	1.309	0.751	1.372	0.040	0.016	1.500
1532	14934.5	11.2838	1.306	0.750	1.373	0.040	0.016	1.500
1533	14956.2	11.3025	1.304	0.749	1.373	0.040	0.016	1.500
1534	14977.9	11.3213	1.301	0.748	1.374	0.041	0.016	1.499
1535	14999.6	11.3400	1.298	0.746	1.374	0.041	0.016	1.499
1536	15021.4	11.3588	1.295	0.745	1.375	0.040	0.016	1.498
1537	15043.2	11.3777	1.293	0.744	1.376	0.040	0.016	1.497
1538	15065.0	11.3965	1.290	0.743	1.376	0.040	0.016	1.497
1539	15086.9	11.4154	1.287	0.742	1.377	0.040	0.015	1.496
1540	15108.8	11.4344	1.285	0.741	1.378	0.040	0.015	1.496
1541	15130.7	11.4533	1.282	0.739	1.378	0.040	0.015	1.495
1542	15152.7	11.4723	1.279	0.738	1.379	0.039	0.015	1.495
1543	15174.7	11.4913	1.276	0.737	1.380	0.039	0.015	1.495
1544	15196.7	11.5103	1.274	0.736	1.380	0.039	0.015	1.494
1545	15218.8	11.5294	1.271	0.735	1.381	0.039	0.015	1.495
1546	15240.9	11.5485	1.268	0.734	1.382	0.039	0.015	1.495
1547	15263.0	11.5677	1.265	0.733	1.382	0.039	0.015	1.495
1548	15285.2	11.5868	1.263	0.731	1.383	0.038	0.015	1.496
1549	15307.4	11.6060	1.260	0.730	1.383	0.038	0.015	1.497
1550	15329.6	11.6252	1.257	0.729	1.384	0.038	0.015	1.498
1551	15351.9	11.6445	1.254	0.728	1.385	0.038	0.015	1.499
1552	15374.2	11.6638	1.252	0.727	1.385	0.038	0.015	1.501
1553	15396.5	11.6831	1.249	0.726	1.386	0.038	0.015	1.503
1554	15418.9	11.7024	1.246	0.725	1.387	0.037	0.015	1.504
1555	15441.3	11.7218	1.244	0.723	1.387	0.037	0.015	1.506
1556	15463.7	11.7412	1.241	0.722	1.388	0.037	0.014	1.507
1557	15486.2	11.7607	1.238	0.721	1.389	0.037	0.014	1.505
1558	15508.7	11.7801	1.235	0.720	1.389	0.037	0.014	1.507
1559	15531.2	11.7996	1.233	0.719	1.390	0.037	0.014	1.509
1560	15553.8	11.8192	1.230	0.718	1.390	0.036	0.014	1.511
1561	15576.4	11.8387	1.227	0.717	1.391	0.036	0.014	1.513
1562	15599.0	11.8583	1.225	0.716	1.392	0.036	0.014	1.514
1563	15621.7	11.8780	1.222	0.714	1.392	0.036	0.014	1.515
1564	15644.4	11.8976	1.219	0.713	1.393	0.036	0.014	1.516
1565	15667.2	11.9173	1.217	0.712	1.394	0.036	0.014	1.517
1566	15690.0	11.9370	1.214	0.711	1.394	0.035	0.014	1.518
1567	15712.8	11.9568	1.211	0.710	1.395	0.035	0.014	1.519
1568	15735.6	11.9766	1.209	0.709	1.396	0.035	0.014	1.519
1569	15758.5	11.9964	1.206	0.708	1.396	0.035	0.014	1.519
1570	15781.4	12.0162	1.203	0.707	1.397	0.035	0.014	1.519
1571	15804.4	12.0361	1.201	0.705	1.398	0.035	0.014	1.519
1572	15827.4	12.0560	1.198	0.704	1.398	0.035	0.014	1.519
1573	15850.4	12.0760	1.195	0.703	1.399	0.034	0.014	1.519
1574	15873.4	12.0959	1.193	0.702	1.400	0.034	0.014	1.518
1575	15896.5	12.1159	1.190	0.701	1.400	0.034	0.014	1.518

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1576	15919.7	12.1360	1.187	0.700	1.401	0.034	0.013	1.517
1577	15942.8	12.1560	1.185	0.699	1.402	0.034	0.013	1.517
1578	15966.0	12.1761	1.182	0.698	1.402	0.034	0.013	1.516
1579	15989.3	12.1963	1.180	0.697	1.403	0.034	0.013	1.516
1580	16012.5	12.2164	1.177	0.696	1.404	0.033	0.013	1.516
1581	16035.8	12.2366	1.174	0.694	1.404	0.033	0.013	1.515
1582	16059.2	12.2569	1.172	0.693	1.405	0.033	0.013	1.515
1583	16082.5	12.2771	1.169	0.692	1.406	0.033	0.013	1.516
1584	16106.0	12.2974	1.167	0.691	1.406	0.033	0.013	1.516
1585	16129.4	12.3177	1.164	0.690	1.407	0.033	0.013	1.516
1586	16152.9	12.3381	1.161	0.689	1.408	0.032	0.013	1.517
1587	16176.4	12.3585	1.159	0.688	1.408	0.032	0.013	1.518
1588	16200.0	12.3789	1.156	0.687	1.409	0.032	0.013	1.519
1589	16223.5	12.3994	1.154	0.686	1.410	0.032	0.013	1.520
1590	16247.2	12.4199	1.151	0.685	1.410	0.032	0.013	1.522
1591	16270.8	12.4404	1.149	0.684	1.411	0.032	0.013	1.523
1592	16294.5	12.4609	1.146	0.683	1.411	0.032	0.013	1.525
1593	16318.3	12.4815	1.144	0.682	1.412	0.032	0.013	1.527
1594	16342.0	12.5021	1.141	0.680	1.413	0.031	0.013	1.529
1595	16365.8	12.5228	1.138	0.679	1.413	0.031	0.013	1.526
1596	16389.7	12.5435	1.136	0.678	1.414	0.031	0.012	1.527
1597	16413.6	12.5642	1.133	0.677	1.415	0.031	0.012	1.529
1598	16437.5	12.5849	1.131	0.676	1.415	0.031	0.012	1.531
1599	16461.4	12.6057	1.128	0.675	1.416	0.031	0.012	1.532
1600	16485.4	12.6265	1.126	0.674	1.417	0.031	0.012	1.534
1601	16509.4	12.6474	1.123	0.673	1.417	0.030	0.012	1.535
1602	16533.5	12.6683	1.121	0.672	1.418	0.030	0.012	1.537
1603	16557.6	12.6892	1.118	0.671	1.419	0.030	0.012	1.538
1604	16581.7	12.7102	1.116	0.670	1.419	0.030	0.012	1.539
1605	16605.9	12.7311	1.113	0.669	1.420	0.030	0.012	1.539
1606	16630.1	12.7522	1.111	0.668	1.421	0.030	0.012	1.540
1607	16654.4	12.7732	1.109	0.667	1.421	0.030	0.012	1.540
1608	16678.6	12.7943	1.106	0.666	1.422	0.029	0.012	1.540
1609	16703.0	12.8154	1.104	0.665	1.423	0.029	0.012	1.540
1610	16727.3	12.8366	1.101	0.663	1.423	0.029	0.012	1.540
1611	16751.7	12.8577	1.099	0.662	1.424	0.029	0.012	1.540
1612	16776.1	12.8790	1.096	0.661	1.425	0.029	0.012	1.539
1613	16800.6	12.9002	1.094	0.660	1.425	0.029	0.012	1.539
1614	16825.1	12.9215	1.091	0.659	1.426	0.029	0.012	1.539
1615	16849.7	12.9428	1.089	0.658	1.427	0.029	0.012	1.538
1616	16874.2	12.9642	1.087	0.657	1.427	0.028	0.012	1.538
1617	16898.9	12.9856	1.084	0.656	1.428	0.028	0.012	1.538
1618	16923.5	13.0070	1.082	0.655	1.429	0.028	0.012	1.537
1619	16948.2	13.0284	1.079	0.654	1.429	0.028	0.011	1.537
1620	16972.9	13.0499	1.077	0.653	1.430	0.028	0.011	1.537

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1621	16997.7	13.0715	1.075	0.652	1.431	0.028	0.011	1.537
1622	17022.5	13.0930	1.072	0.651	1.431	0.028	0.011	1.538
1623	17047.4	13.1146	1.070	0.650	1.432	0.028	0.011	1.538
1624	17072.3	13.1362	1.067	0.649	1.433	0.027	0.011	1.539
1625	17097.2	13.1579	1.065	0.648	1.433	0.027	0.011	1.540
1626	17122.1	13.1796	1.063	0.647	1.434	0.027	0.011	1.541
1627	17147.1	13.2013	1.060	0.646	1.435	0.027	0.011	1.542
1628	17172.2	13.2231	1.058	0.645	1.435	0.027	0.011	1.544
1629	17197.2	13.2449	1.056	0.644	1.436	0.027	0.011	1.545
1630	17222.4	13.2667	1.053	0.643	1.437	0.027	0.011	1.547
1631	17247.5	13.2886	1.051	0.642	1.437	0.027	0.011	1.549
1632	17272.7	13.3105	1.048	0.641	1.438	0.027	0.011	1.551
1633	17297.9	13.3325	1.046	0.640	1.439	0.026	0.011	1.547
1634	17323.2	13.3544	1.044	0.639	1.439	0.026	0.011	1.547
1635	17348.5	13.3765	1.042	0.638	1.440	0.026	0.011	1.549
1636	17373.8	13.3985	1.039	0.637	1.440	0.026	0.011	1.551
1637	17399.2	13.4206	1.037	0.636	1.441	0.026	0.011	1.553
1638	17424.7	13.4427	1.035	0.635	1.442	0.026	0.011	1.554
1639	17450.1	13.4649	1.032	0.634	1.442	0.026	0.011	1.556
1640	17475.6	13.4870	1.030	0.633	1.443	0.026	0.011	1.557
1641	17501.2	13.5093	1.028	0.632	1.444	0.025	0.011	1.558
1642	17526.7	13.5315	1.025	0.631	1.444	0.025	0.011	1.559
1643	17552.4	13.5538	1.023	0.630	1.445	0.025	0.010	1.560
1644	17578.0	13.5762	1.021	0.629	1.446	0 025	0.010	1.561
1645	17603.7	13.5985	1.019	0.628	1.446	0.025	0.010	1.561
1646	17629.4	13.6209	1.016	0.627	1.447	0.025	0.010	1.561
1647	17655.2	13.6434	1.014	0.626	1 448	0.025	0.010	1.561
1648	17681.0	13.6658	1.012	0.625	1.448	0.025	0.010	1.561
1649	17706.9	13.6883	1.009	0.624	1.449	0.025	0.010	1.561
1650	17732.8	13.7109	1.007	0.623	1.450	0.024	0.010	1.561
1651	17758.7	13.7335	1.005	0.622	1.450	0.024	0.010	1.561
1652	17784.7	13.7561	1.003	0.621	1.451	0.024	0.010	1.560
1653	17810.7	13.7787	1.000	0.620	1.452	0.024	0.010	1.560
1654	17836.8	13.8014	0.998	0.619	1.452	0.024	0.010	1.560
1655	17862.9	13.8242	0.996	0.618	1.453	0.024	0.010	1.560
1656	17889.0	13.8469	0.994	0.617	1.454	0.024	0.010	1.560
1657	17915.2	13.8697	0.992	0.616	1.455	0.024	0.010	1.560
1658	17941.4	13.8926	0.989	0.615	1.455	0.024	0.010	1.560
1659	17967.6	13.9154	0.987	0.614	1.456	0.024	0.010	1.560
1660	17993.9	13.9383	0.985	0.613	1.457	0.023	0.010	1.560
1661	18020.3	13.9613	0.983	0.612	1.457	0.023	0.010	1.561
1662	18046.4	13.9840	0.981	0.611	1.458	0.023	0.010	1.562
1663	18072.8	14.0070	0.978	0.610	1.459	0.023	0.010	1.563
1664	18099.2	14.0301	0.976	0.609	1.459	0.023	0.010	1.564
1665	18125.7	14.0532	0.974	0.608	1.460	0.023	0.010	1.565

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1666	18152.3	14.0763	0.972	0.607	1.461	0.023	0.010	1.566
1667	18178.9	14.0995	0.970	0.606	1.461	0.023	0.010	1.568
1668	18205.5	14.1227	0.967	0.605	1.462	0.023	0.010	1.570
1669	18232.1	14.1459	0.965	0.604	1.463	0.022	0.010	1.572
1670	18258.8	14.1692	0.963	0.603	1.463	0.022	0.009	1.574
1671	18285.6	14.1925	0.961	0.602	1.464	0.022	0.009	1.575
1672	18312.4	14.2159	0.959	0.601	1.465	0.022	0.009	1.570
1673	18339.2	14.2393	0.957	0.601	1.465	0.022	0.009	1.570
1674	18366.1	14.2627	0.955	0.600	1.466	0.022	0.009	1.572
1675	18393.0	14.2861	0.952	0.599	1.467	0.022	0.009	1.574
1676	18419.9	14.3096	0.950	0.598	1.467	0.022	0.009	1.575
1677	18446.9	14.3332	0.948	0.597	1.468	0.022	0.009	1.577
1678	18474.0	14.3568	0.946	0.596	1.469	0.022	0.009	1.578
1679	18501.0	14.3804	0.944	0.595	1.469	0.022	0.009	1.579
1680	18528.1	14.4040	0.942	0.594	1.470	0.021	0.009	1.580
1681	18555.3	14.4277	0.940	0.593	1.471	0.021	0.009	1.581
1682	18582.5	14.4514	0.938	0.592	1.471	0.021	0.009	1.582
1683	18609.8	14.4752	0.935	0.591	1.472	0.021	0.009	1.582
1684	18637.0	14.4990	0.933	0.590	1.473	0.021	0.009	1.583
1685	18664.4	14.5229	0.931	0.589	1.473	0.020	0.009	1.583
1686	18691.7	14.5467	0.929	0.588	1.474	0.020	0.009	1.583
1687	18719.1	14.5707	0.927	0.587	1.475	0.020	0.009	1.583
1688	18746.6	14.5946	0.925	0.586	1.475	0.020	0.009	1.583
1689	18774.1	14.6186	0.923	0.585	1.476	0 020	0.009	1.583
1690	18801.6	14.6426	0.921	0.584	1.477	0.020	0.009	1.583
1691	18829.2	14.6667	0.919	0.584	1.477	0.020	0.009	1.583
1692	18856.8	14.6908	0.917	0.583	1.478	0.020	0.009	1.582
1693	18884.5	14.7150	0.915	0.582	1.479	0.020	0.009	1.582
1694	18912.2	14.7392	0.913	0.581	1.479	0.020	0.009	1.582
1695	18940.0	14.7634	0.911	0.580	1.480	0.020	0.009	1.582
1696	18967.8	14.7877	0.909	0.579	1.481	0.019	0.009	1.583
1697	18995.6	14.8120	0.906	0.578	1.482	0.019	0.009	1.583
1698	19023.5	14.8363	0.904	0.577	1.482	0.019	0.009	1.584
1699	19051.4	14.8607	0.902	0.576	1.483	0.019	0.008	1.584
1700	19079.4	14.8851	0.900	0.575	1.484	0.019	0.008	1.585
1701	19107.4	14.9096	0.898	0.574	1.484	0.019	0.008	1.586
1702	19135.4	14.9341	0.896	0.573	1.485	0.019	0.008	1.587
1703	19163.5	14.9586	0.894	0.572	1.486	0.019	0.008	1.588
1704	19191.7	14.9832	0.892	0.572	1.486	0.019	0.008	1.590
1705	19219.9	15.0078	0.890	0.571	1.487	0.019	0.008	1.592
1706	19248.1	15.0325	0.888	0.570	1.488	0.019	0.008	1.593
1707	19276.4	15.0572	0.886	0.569	1.488	0.019	0.008	1.595
1708	19304.7	15.0819	0.884	0.568	1.489	0.018	0.008	1.597
1709	19333.0	15.1067	0.882	0.567	1.490	0.018	0.008	1.596
1710	19361.4	15.1315	0.880	0.566	1.490	0.018	0.008	1.590

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1711	19389.9	15.1563	0.878	0.565	1.491	0.018	0.008	1.592
1712	19418.4	15.1812	0.876	0.564	1.492	0.018	0.008	1.594
1713	19446.9	15.2062	0.874	0.563	1.492	0.018	0.008	1.595
1714	19475.5	15.2312	0.872	0.562	1.493	0.018	0.008	1.597
1715	19504.1	15.2562	0.870	0.562	1.494	0.018	0.008	1.598
1716	19532.8	15.2812	0.868	0.561	1.494	0.018	0.008	1.600
1717	19561.5	15.3063	0.867	0.560	1.495	0.018	0.008	1.601
1718	19590.2	15.3315	0.865	0.559	1.496	0.018	0.008	1.602
1719	19619.0	15.3566	0.863	0.558	1.496	0.018	0.008	1.603
1720	19647.9	15.3818	0.861	0.557	1.497	0.017	0.008	1.604
1721	19676.8	15.4071	0.859	0.556	1.498	0.017	0.008	1 604
1722	19705.7	15.4324	0.857	0.555	1.498	0.017	0.008	1.604
1723	19734.7	15.4577	0.855	0.554	1.499	0.017	0.008	1.605
1724	19763.7	15.4831	0.853	0.553	1.500	0.017	0.008	1.605
1725	19792.8	15.5085	0.841	0.553	1.500	0.017	0.008	1.605
1726	19821.9	15.5340	0.839	0.552	1.501	0.017	0.008	1.605
1727	19851.1	15.5595	0.837	0.551	1.502	0.017	0.008	1.605
1728	19880.3	15.5850	0.835	0.550	1.502	0.017	0.008	1.605
1729	19909.5	15.6106	0.833	0.549	1.503	0.017	0.008	1.605
1730	19938.8	15.6363	0.831	0.548	1.504	0.017	0.008	1.605
1731	19968.2	15.6619	0.829	0.547	1.504	0.017	0.008	1.605
1732	19997.5	15.6876	0.827	0.546	1.505	0.017	0.007	1.605
1733	20027.0	15.7134	0.825	0.546	1.506	0.016	0.007	1.606
1734	20056.5	15.7392	0.824	0.545	1.507	0.016	0.007	1.606
1735	20086.0	15.7650	0.822	0.544	1.507	0.016	0.007	1.607
1736	20115.6	15.7909	0.820	0.543	1.508	0.016	0.007	1.607
1737	20145.2	15.8168	0.818	0.542	1.509	0.016	0.007	1.608
1738	20174.8	15.8427	0.816	0.541	1.509	0.016	0.007	1.609
1739	20204.5	15.8687	0.814	0.540	1.510	0.016	0.007	1.610
1740	20234.3	15.8948	0.812	0.539	1.511	0.016	0.007	1.611
1741	20264.1	15.9208	0.810	0.539	1.511	0.016	0.007	1.613
1742	20293.9	15.9470	0.809	0.538	1.512	0.016	0.007	1.614
1743	20323.8	15.9731	0.807	0.537	1.513	0.016	0.007	1.616
1744	20353.8	15.9993	0.805	0.536	1.513	0.016	0.007	1.618
1745	20383.8	16.0256	0.803	0.535	1.514	0.016	0.007	1.620
1746	20413.8	16.0519	0.801	0.534	1.515	0.016	0.007	1.622
1747	20443.9	16.0782	0.799	0.533	1.515	0.015	0.007	1.617
1748	20474.0	16.1046	0.798	0.532	1.516	0.015	0.007	1.612
1749	20504.2	16.1310	0.796	0.532	1.517	0.015	0.007	1.614
1750	20534.4	16.1575	0.794	0.531	1.517	0.015	0.007	1.616
1751	20564.7	16.1840	0.792	0.530	1.518	0.015	0.007	1.617
1752	20595.0	16.2105	0.790	0.529	1.519	0.015	0.007	1.619
1753	20625.3	16.2371	0.788	0.528	1.519	0.015	0.007	1.620
1754	20655.7	16.2637	0.787	0.527	1.520	0.015	0.007	1.621
1755	20686.2	16.2904	0.785	0.526	1.521	0.015	0.007	1.623

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1756	20716.7	16.3171	0.783	0.526	1.521	0.015	0.007	1.624
1757	20747.2	16.3439	0.781	0.525	1.522	0.015	0.007	1.624
1758	20777.8	16.3707	0.779	0.524	1.523	0.015	0.007	1.625
1759	20808.5	16.3975	0.778	0.523	1.523	0.015	0.007	1.626
1760	20839.2	16.4244	0.776	0.522	1.524	0.015	0.007	1.626
1761	20869.9	16.4513	0.774	0.521	1.525	0.015	0.007	1.626
1762	20900.7	16.4783	0.772	0.521	1.525	0.014	0.007	1.627
1763	20931.5	16.5053	0.771	0.520	1.526	0.014	0.007	1.627
1764	20962.4	16.5324	0.769	0.519	1.527	0.014	0.007	1.627
1765	20993.4	16.5595	0.767	0.518	1.527	0.014	0.007	1.627
1766	21024.3	16.5866	0.765	0.517	1.528	0.014	0.007	1.627
1767	21055.4	16.6138	0.763	0.516	1.529	0.014	0.007	1.628
1768	21086.4	16.6411	0.762	0.515	1.529	0.014	0.007	1.628
1769	21117.6	16.6683	0.760	0.515	1.530	0.014	0.007	1.628
1770	21148.7	16.6957	0.758	0.514	1.531	0.014	0.006	1.628
1771	21180.0	16.7230	0.756	0.513	1.531	0.014	0.006	1.629
1772	21211.2	16.7504	0.755	0.512	1.532	0.014	0.006	1.630
1773	21242.6	16.7779	0.753	0.511	1.533	0.014	0.006	1.630
1774	21273.9	16.8054	0.751	0.510	1.533	0.014	0.006	1.631
1775	21305.3	16.8329	0.750	0.510	1.534	0.014	0.006	1.632
1776	21336.8	16.8605	0.748	0.509	1.535	0.014	0.006	1.633
1777	21368.3	16.8882	0.746	0.508	1.535	0.013	0.006	1.635
1778	21399.9	16.9158	0.744	0.507	1.536	0.013	0.006	1.636
1779	21431.5	16.9436	0.743	0.506	1.537	0.013	0.006	1.638
1780	21463.2	16.9713	0.741	0.506	1.537	0.013	0.006	1.639
1781	21494.9	16.9991	0.739	0.505	1.538	0.013	0.006	1.641
1782	21526.7	17.0270	0.737	0.504	1.539	0.013	0.006	1.643
1783	21558.5	17.0549	0.736	0.503	1.539	0.013	0.006	1.641
1784	21590.3	17.0828	0.734	0.502	1.540	0.013	0.006	1.632
1785	21622.2	17.1108	0.732	0.501	1.541	0.013	0.006	1.632
1786	21654.2	17.1389	0.731	0.501	1.541	0.013	0.006	1.634
1787	21686.2	17.1669	0.729	0.500	1.542	0.013	0.006	1.636
1788	21718.3	17.1951	0.727	0.499	1.543	0.013	0.006	1.638
1789	21750.4	17.2232	0.726	0.498	1.543	0.013	0.006	1.639
1790	21782.5	17.2514	0.724	0.497	1.544	0.013	0.006	1.641
1791	21814.8	17.2797	0.722	0.497	1.545	0.013	0.006	1.642
1792	21847.0	17.3080	0.721	0.496	1.545	0.013	0.006	1.643
1793	21879.3	17.3364	0.719	0.495	1.546	0.013	0.006	1.644
1794	21911.7	17.3648	0.717	0.494	1.547	0.012	0.006	1.645
1795	21944.1	17.3932	0.716	0.493	1.547	0.012	0.006	1.646
1796	21976.6	17.4217	0.714	0.492	1.548	0.012	0.006	1.646
1797	22009.1	17.4502	0.712	0.492	1.549	0.012	0.006	1.647
1798	22041.7	17.4788	0.711	0.491	1.549	0.012	0.006	1.648
1799	22074.3	17.5074	0.709	0.490	1.550	0.012	0.006	1.648
1800	22106.9	17.5361	0.707	0.489	1.551	0.012	0.006	1.648

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1801	22139.6	17.5648	0.706	0.488	1.551	0.012	0.006	1.649
1802	22172.4	17.5936	0.704	0.488	1.552	0.012	0.006	1.649
1803	22205.2	17.6224	0.702	0.487	1.552	0.012	0.006	1.649
1804	22238.0	17.6512	0.701	0.486	1.553	0.012	0.006	1.650
1805	22270.9	17.6801	0.699	0.485	1.554	0.012	0.006	1.650
1806	22303.9	17.7090	0.698	0.484	1.554	0.012	0.006	1.651
1807	22336.9	17.7380	0.696	0.484	1.555	0.012	0.006	1.651
1808	22369.9	17.7670	0.694	0.483	1.556	0.012	0.006	1.652
1809	22403.0	17.7960	0.693	0.482	1.556	0.012	0.006	1.653
1810	22436.1	17.8251	0.691	0.481	1.557	0.012	0.006	1.653
1811	22469.3	17.8542	0.690	0.480	1.558	0.012	0.006	1.654
1812	22502.1	17.8830	0.688	0.480	1.558	0.011	0.006	1.656
1813	22535.4	17.9122	0.686	0.479	1.559	0.011	0.005	1.657
1814	22568.7	17.9415	0.685	0.478	1.560	0.011	0.005	1.658
1815	22602.0	17.9708	0.683	0.477	1.560	0.011	0.005	1.660
1816	22635.5	18.0002	0.682	0.477	1.561	0.011	0.005	1.662
1817	22668.9	18.0296	0.680	0.476	1.562	0.011	0.005	1.663
1818	22702.4	18.0590	0.678	0.475	1.562	0.011	0.005	1.665
1819	22736.0	18.0885	0.677	0.474	1.563	0.011	0.005	1.664
1820	22769.6	18.1180	0.675	0.473	1.564	0.011	0.005	1.653
1821	22803.3	18.1476	0.674	0.473	1.564	0.011	0.005	1.651
1822	22837.0	18.1772	0.672	0.472	1.565	0.011	0.005	1.653
1823	22870.7	18.2068	0.671	0.471	1.566	0.011	0.005	1.655
1824	22904.5	18.2365	0.669	0.470	1.566	0.011	0.005	1.657
1825	22938.4	18.2663	0.667	0.470	1.567	0.011	0.005	1.658
1826	22972.3	18.2961	0.666	0.469	1.568	0.011	0.005	1.660
1827	23006.2	18.3259	0.664	0.468	1.568	0.011	0.005	1.661
1828	23040.2	18.3558	0.663	0.467	1.569	0.011	0.005	1.662
1829	23074.2	18.3857	0.661	0.466	1.569	0.011	0.005	1.664
1830	23108.3	18.4156	0.660	0.466	1.570	0.011	0.005	1.665
1831	23142.5	18.4457	0.658	0.465	1.571	0.011	0.005	1.665
1832	23176.7	18.4757	0.657	0.464	1.571	0.010	0.005	1.666
1833	23210.9	18.5058	0.655	0.463	1.572	0.010	0.005	1.667
1834	23245.2	18.5359	0.654	0.463	1.573	0.010	0.005	1.668
1835	23279.5	18.5661	0.652	0.462	1.573	0.010	0.005	1.668
1836	23313.9	18.5963	0.651	0.461	1.574	0.010	0.005	1.669
1837	23348.3	18.6266	0.649	0.460	1.575	0.010	0.005	1.669
1838	23382.8	18.6569	0.648	0.460	1.575	0.010	0.005	1.670
1839	23417.3	18.6873	0.646	0.459	1.576	0.010	0.005	1.670
1840	23451.9	18.7177	0.645	0.458	1.576	0.010	0.005	1.671
1841	23486.6	18.7482	0.643	0.457	1.577	0.010	0.005	1.671
1842	23521.2	18.7786	0.642	0.457	1.578	0.010	0.005	1.672
1843	23556.0	18.8092	0.640	0.456	1.578	0.010	0.005	1.673
1844	23590.7	18.8398	0.639	0.455	1.579	0.010	0.005	1.674
1845	23625.6	18.8704	0.637	0.454	1.580	0.010	0.005	1.674

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1846	23660.4	18.9011	0.636	0.454	1.580	0.010	0.005	1.675
1847	23695.4	18.9318	0.634	0.453	1.581	0.010	0.005	1.677
1848	23730.4	18.9626	0.633	0.452	1.581	0.010	0.005	1.678
1849	23765.4	18.9934	0.631	0.451	1.582	0.010	0.005	1.679
1850	23800.5	19.0242	0.630	0.451	1.583	0.010	0.005	1.681
1851	23835.6	19.0551	0.628	0.450	1.583	0.010	0.005	1.682
1852	23870.8	19.0861	0.627	0.449	1.584	0.010	0.005	1.684
1853	23906.0	19.1171	0.625	0.448	1.585	0.010	0.005	1.686
1854	23941.3	19.1481	0.624	0.448	1.585	0.009	0.005	1.688
1855	23976.6	19.1792	0.622	0.447	1.586	0.009	0.005	1.687
1856	24012.0	19.2103	0.621	0.446	1.587	0.009	0.005	1.674
1857	24047.4	19.2415	0.620	0.445	1.587	0.009	0.005	1.670
1858	24082.9	19.2727	0.618	0.445	1.588	0.009	0.005	1.672
1859	24118.4	19.3040	0.617	0.444	1.589	0.009	0.005	1.674
1860	24154.0	19.3353	0.615	0.443	1.589	0.009	0.005	1.676
1861	24189.6	19.3667	0.614	0.442	1.590	0.009	0.005	1.677
1862	24225.3	19.3981	0.613	0.442	1.590	0.009	0.005	1.679
1863	24261.1	19.4295	0.611	0.441	1.591	0.009	0.005	1.680
1864	24296.9	19.4610	0.610	0.440	1.592	0.009	0.005	1.681
1865	24332.7	19.4926	0.608	0.439	1.592	0.009	0.005	1.683
1866	24368.6	19.5241	0.607	0.439	1.593	0.009	0.004	1.684
1867	24404.5	19.5558	0.605	0.438	1.593	0.009	0.004	1.685
1868	24440.5	19.5875	0.604	0.437	1.594	0.009	0.004	1.686
1869	24476.6	19.6192	0.603	0.437	1.595	0.009	0.004	1.686
1870	24512.6	19.6510	0.601	0.436	1.595	0.009	0.004	1.687
1871	24548.8	19.6828	0.600	0.435	1.596	0.009	0.004	1.688
1872	24585.0	19.7147	0.599	0.434	1.597	0.009	0.004	1.689
1873	24621.2	19.7466	0.597	0.434	1.597	0.009	0.004	1.689
1874	24657.5	19.7785	0.596	0.433	1.598	0.009	0.004	1.690
1875	24693.9	19.8105	0.594	0.432	1.598	0.009	0.004	1.691
1876	24730.3	19.8426	0.593	0.431	1.599	0.009	0.004	1.691
1877	24766.8	19.8747	0.592	0.431	1.600	0.009	0.004	1.692
1878	24803.3	19.9069	0.590	0.430	1.600	0.008	0.004	1.693
1879	24839.8	19.9391	0.589	0.429	1.601	0.008	0.004	1.694
1880	24876.4	19.9713	0.588	0.429	1.601	0.008	0.004	1.695
1881	24913.1	20.0036	0.586	0.428	1.602	0.008	0.004	1.696
1882	24949.8	20.0359	0.585	0.427	1.603	0.008	0.004	1.697
1883	24986.6	20.0683	0.593	0.426	1.603	0.008	0.004	1.699
1884	25023.4	20.1008	0.582	0.426	1.604	0.008	0.004	1.700
1885	25060.3	20.1332	0.581	0.425	1.604	0.008	0.004	1.702
1886	25097.2	20.1658	0.579	0.424	1.605	0.008	0.004	1.703
1887	25134.2	20.1984	0.578	0.424	1.606	0.008	0.004	1.705
1888	25171.3	20.2310	0.577	0.423	1.606	0.008	0.004	1.707
1889	25208.3	20.2637	0.575	0.422	1.607	0.008	0.004	1.709
1890	25245.5	20.2964	0.574	0.421	1.608	0.008	0.004	1.711

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1891	25282.7	20.3292	0.573	0.421	1.608	0.008	0.004	1.708
1892	25319.9	20.3620	0.571	0.420	1.609	0.008	0.004	1.694
1893	25357.2	20.3948	0.570	0.419	1.609	0.008	0.004	1.689
1894	25394.6	20.4278	0.569	0.419	1.610	0.008	0.004	1.691
1895	25432.0	20.4607	0.567	0.418	1.611	0.008	0.004	1.693
1896	25469.4	20.4937	0.566	0.417	1.611	0.008	0.004	1.695
1897	25507.0	20.5268	0.565	0.417	1.612	0.008	0.004	1.696
1898	25544.5	20.5599	0.564	0.416	1.613	0.008	0.004	1.698
1899	25582.2	20.5931	0.562	0.415	1.613	0.008	0.004	1.699
1900	25619.8	20.6263	0.561	0.414	1.614	0.008	0.004	1.700
1901	25657.6	20.6595	0.560	0.414	1.614	0.008	0.004	1.701
1902	25695.3	20.6928	0.558	0.413	1.615	0.008	0.004	1.703
1903	25733.2	20.7262	0.557	0.412	1.616	0.008	0.004	1.704
1904	25771.1	20.7596	0.556	0.412	1.616	0.008	0.004	1.705
1905	25809.0	20.7930	0.554	0.411	1.617	0.007	0.004	1.706
1906	25847.0	20.8265	0.553	0.410	1.617	0.007	0.004	1.707
1907	25885.1	20.8601	0.552	0.410	1.618	0.007	0.004	1.707
1908	25923.2	20.8937	0.551	0.409	1.618	0.007	0.004	1.708
1909	25961.3	20.9273	0.549	0.408	1.619	0.007	0.004	1.709
1910	25999.6	20.9610	0.548	0.408	1.620	0.007	0.004	1.710
1911	26037.8	20.9948	0.547	0.407	1.620	0.007	0.004	1.711
1912	26076.2	21.0286	0.546	0.406	1.621	0.007	0.004	1.712
1913	26114.5	21.0624	0.544	0.405	1.621	0.007	0.004	1.720
1914	26153.0	21.0963	0.543	0.405	1.622	0.007	0.004	1.721
1915	26191.5	21.1303	0.542	0.404	1.620	0.007	0.004	1.723
1916	26230.0	21.1643	0.540	0.403	1.609	0.007	0.004	1.724
1917	26268.6	21.1983	0.539	0.403	1.609	0.007	0.004	1.726
1918	26307.3	21.2324	0.538	0.402	1.611	0.007	0.004	1.727
1919	26346.0	21.2665	0.537	0.401	1.613	0.007	0.004	1.729
1920	26384.8	21.3007	0.535	0.400	1.614	0.007	0.004	1.731
1921	26423.6	21.3350	0.534	0.399	1.615	0.007	0.004	1.733
1922	26462.5	21.3693	0.533	0.399	1.616	0.007	0.004	1.735
1923	26501.4	21.4036	0.532	0.398	1.617	0.007	0.004	1.736
1924	26540.4	21.4380	0.530	0.397	1.617	0.007	0.004	1.738
1925	26579.4	21.4725	0.529	0.396	1.618	0.007	0.004	1.740
1926	26618.5	21.5070	0.528	0.396	1.618	0.007	0.004	1.742
1927	26657.7	21.5415	0.527	0.395	1.618	0.007	0.004	1.744
1928	26696.9	21.5761	0.526	0.394	1.619	0.007	0.004	1.746
1929	26736.2	21.6108	0.524	0.393	1.619	0.007	0.004	1.748
1930	26775.5	21.6455	0.523	0.393	1.619	0.007	0.004	1.740
1931	26814.9	21.6802	0.522	0.392	1.619	0.007	0.003	1.720
1932	26854.3	21.7150	0.521	0.391	1.620	0.007	0.003	1.712
1933	26893.8	21.7499	0.519	0.390	1.620	0.007	0.003	1.714
1934	26933.4	21.7848	0.518	0.389	1.620	0.007	0.003	1.716
1935	26973.0	21.8197	0.517	0.389	1.621	0.007	0.003	1.718

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1936	27012.7	21.8547	0.516	0.388	1.622	0.006	0.003	1.719
1937	27052.4	21.8898	0.515	0.387	1.623	0.006	0.003	1.721
1938	27092.2	21.9249	0.513	0.386	1.625	0.006	0.003	1.722
1939	27132.0	21.9601	0.512	0.386	1.626	0.006	0.003	1.723
1940	27171.9	21.9953	0.511	0.385	1.627	0.006	0.003	1.725
1941	27211.9	22.0305	0.510	0.384	1.628	0.006	0.003	1.726
1942	27251.9	22.0658	0.509	0.383	1.628	0.006	0.003	1.728
1943	27291.9	22.1012	0.507	0.383	1.628	0.006	0.003	1.729
1944	27332.0	22.1366	0.506	0.382	1.629	0.006	0.003	1.731
1945	27372.2	22.1721	0.505	0.381	1.629	0.006	0.003	1.732
1946	27412.5	22.2076	0.504	0.381	1.630	0.006	0.003	1.734
1947	27452.8	22.2432	0.503	0.380	1.630	0.006	0.003	1.735
1948	27493.1	22.2788	0.502	0.379	1.630	0.006	0.003	1.737
1949	27533.5	22.3145	0.500	0.379	1.631	0.006	0.003	1.738
1950	27574.0	22.3502	0.499	0.378	1.631	0.006	0.003	1.740
1951	27614.5	22.3860	0.498	0.377	1.632	0.006	0.003	1.741
1952	27655.1	22.4219	0.497	0.377	1.632	0.006	0.003	1.743
1953	27695.7	22.4578	0.496	0.376	1.633	0.006	0.003	1.745
1954	27736.4	22.4937	0.495	0.375	1.633	0.006	0.003	1.747
1955	27777.2	22.5297	0.493	0.375	1.634	0.006	0.003	1.748
1956	27818.0	22.5657	0.492	0.374	1.634	0.006	0.003	1.750
1957	27858.9	22.6018	0.491	0.373	1.635	0.006	0.003	1.752
1958	27899.8	22.6380	0.490	0.373	1.635	0.006	0.003	1.746
1959	27940.8	22.6742	0.489	0.372	1.636	0.006	0.003	1.726
1960	27981.9	22.7105	0.488	0.371	1.636	0.006	0.003	1.713
1961	28023.0	22.7468	0.485	0.371	1.637	0.006	0.003	1.714
1962	28055.7	22.7761	0.484	0.370	1.637	0.006	0.003	1.715
1963	28097.5	22.8130	0.483	0.369	1.638	0.006	0.003	1.717
1964	28139.4	22.8500	0.482	0.368	1.638	0.006	0.003	1.719
1965	28181.3	22.8870	0.481	0.368	1.639	0.006	0.003	1.721
1966	28223.3	22.9241	0.480	0.367	1.639	0.006	0.003	1.722
1967	28265.3	22.9613	0.479	0.366	1.640	0.006	0.003	1.724
1968	28307.4	22.9985	0.478	0.366	1.640	0.006	0.003	1.726
1969	28349.6	23.0358	0.477	0.365	1.641	0.006	0.003	1.727
1970	28391.8	23.0731	0.476	0.364	1.641	0.006	0.003	1.729
1971	28434.1	23.1105	0.475	0.364	1.641	0.005	0.003	1.730
1972	28476.5	23.1479	0.474	0.363	1.642	0.005	0.003	1.732
1973	28518.9	23.1854	0.473	0.362	1.642	0.005	0.003	1.734
1974	28561.4	23.2229	0.472	0.362	1.643	0.005	0.003	1.735
1975	28603.9	23.2605	0.471	0.361	1.643	0.005	0.003	1.737
1976	28646.5	23.2982	0.470	0.360	1.644	0.005	0.003	1.739
1977	28689.2	23.3359	0.469	0.360	1.644	0.005	0.003	1.740
1978	28731.9	23.3737	0.468	0.359	1.645	0.005	0.003	1.742
1979	28774.7	23.4115	0.467	0.358	1.645	0.005	0.003	1.744
1980	28817.6	23.4494	0.466	0.358	1.646	0.005	0.003	1.746

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1981	28860.5	23.4873	0.465	0.357	1.646	0.005	0.003	1.747
1982	28903.5	23.5253	0.464	0.356	1.647	0.005	0.003	1.749
1983	28946.5	23.5633	0.463	0.356	1.647	0.005	0.003	1.751
1984	28989.6	23.6014	0.462	0.355	1.648	0.005	0.003	1.753
1985	29032.8	23.6396	0.461	0.354	1.648	0.005	0.003	1.755
1986	29076.0	23.6778	0.460	0.354	1.649	0.005	0.003	1.758
1987	29119.3	23.7161	0.459	0.353	1.649	0.005	0.003	1.751
1988	29162.7	23.7544	0.458	0.352	1.650	0.005	0.003	1.729
1989	29206.1	23.7928	0.457	0.352	1.650	0.005	0.003	1.716
1990	29249.6	23.8312	0.455	0.351	1.651	0.005	0.003	1.718
1991	29293.1	23.8698	0.454	0.350	1.651	0.005	0.003	1.720
1992	29336.7	23.9083	0.453	0.350	1.652	0.005	0.003	1.722
1993	29380.4	23.9469	0.452	0.349	1.652	0.005	0.003	1.724
1994	29424.2	23.9856	0.451	0.349	1.653	0.005	0.003	1.726
1995	29468.0	24.0243	0.450	0.348	1.653	0.005	0.003	1.728
1996	29511.8	24.0631	0.449	0.347	1.654	0.005	0.003	1.730
1997	29555.7	24.1020	0.448	0.347	1.654	0.005	0.003	1.732
1998	29599.7	24.1409	0.447	0.346	1.655	0.005	0.003	1.734
1999	29643.8	24.1798	0.446	0.345	1.655	0.005	0.003	1.735
2000	29687.9	24.2189	0.445	0.345	1.656	0.005	0.003	1.737
2001	29732.1	24.2579	0.444	0.344	1.656	0.005	0.003	1.739
2002	29776.3	24.2971	0.443	0.344	1.657	0.005	0.003	1.741
2003	29820.7	24.3363	0.442	0.343	1.657	0.005	0.003	1.743
2004	29865.0	24.3755	0.441	0.342	1.658	0.005	0.003	1.745
2005	29909.5	24.4148	0.440	0.342	1.658	0.005	0.003	1.746
2006	29954.0	24.4542	0.439	0.341	1.659	0.005	0.003	1.748
2007	29998.6	24.4936	0.438	0.340	1.659	0.005	0.003	1.750
2008	30043.2	24.5331	0.437	0.340	1.660	0.005	0.003	1.752
2009	30087.9	24.5727	0.436	0.339	1.660	0.005	0.003	1.754
2010	30132.7	24.6123	0.435	0.339	1.661	0.005	0.003	1.756
2011	30177.5	24.6519	0.434	0.338	1.661	0.005	0.003	1.758
2012	30222.4	24.6916	0.433	0.337	1.662	0.005	0.002	1.760
2013	30267.3	24.7314	0.432	0.337	1.662	0.005	0.002	1.762
2014	30312.4	24.7713	0.431	0.336	1.663	0.005	0.002	1.764
2015	30357.5	24.8112	0.430	0.335	1.663	0.005	0.002	1.766
2016	30402.6	24.8511	0.429	0.335	1.664	0.004	0.002	1.768
2017	30447.8	24.8911	0.428	0.334	1.664	0.004	0.002	1.770
2018	30493.1	24.9312	0.427	0.334	1.665	0.004	0.002	1.773
2019	30538.5	24.9713	0.426	0.333	1.665	0.004		
2020	30583.9	25.0115	0.425	0.332	1.666	0.004		
2021	30629.4	25.0518	0.424			0.004		
2022	30674.9	25.0921	0.423			0.004		
2023	30720.6	25.1325	0.422			0.004		
2024	30766.3	25.1729	0.421			0.004		
2025	30812.0	25.2134	0.420			0.004		

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
2026	30857.8	25.2540	0.419			0.004		
2027	30903.7	25.2946	0.418			0.004		
2028	30949.7	25.3352	0.417			0.004		
2029	30995.7	25.3760	0.416			0.004		
2030	31041.8	25.4168	0.415			0.004		
2031	31087.9	25.4576	0.414			0.004		
2032	31134.1	25.4985	0.413			0.004		
2033	31180.4	25.5395	0.412			0.004		
2034	31226.8	25.5806	0.411			0.004		
2035	31273.2	25.6217	0.410			0.004		
2036	31319.7	25.6628	0.409			0.004		
2037	31366.3	25.7040	0.408			0.004		
2038	31412.9	25.7453	0.407			0.004		
2039	31459.6	25.7867	0.406			0.004		
2040	31506.3	25.8281	0.405			0.004		
2041	31553.2	25.8695	0.404			0.004		
2042	31600.1	25.9111	0.403			0.004		
2043	31647.0	25.9526	0.402			0.004		
2044	31694.1	25.9943	0.401			0.004		
2045	31741.2	26.0360	0.400			0.004		
2046	31788.3	26.0778	0.399			0.004		
2047	31835.6	26.1196	0.398			0.004		
2048	31882.9	26.1615	0.398			0.004		
2049	31930.3	26.2035	0.397			0.004		
2050	31977.7	26.2455	0.396			0.004		
2051	32025.2	26.2876	0.395			0.004		
2052	32072.8	26.3297	0.394			0.004		
2053	32120.5	26.3719	0.393			0.004		
2054	32168.2	26.4142	0.392			0.004		
2055	32216.0	26.4565	0.391			0.004		
2056	32263.8	26.4989	0.390			0.004		
2057	32311.8	26.5414	0.389			0.004		
2058	32359.8	26.5839	0.388			0.004		
2059	32407.8	26.6265	0.387			0.004		
2060	32456.0	26.6692	0.386			0.004		
2061	32504.2	26.7119	0.383			0.004		

Table 7. Reflected blast properties at ground level for a 40-KT burst at 2052-ft altitude.

(CASE 6)

REFLECT-4A RUN 84-3
REFLECT-4B RUN 84-3

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1	35.0	0.6865		8.108	0.517		0.001	0.792
2	50.0	0.6867		8.117	0.518		0.003	0.792
3	100.0	0.6876		8.132	0.524		0.008	0.656
4	200.0	0.6923		8.115	0.535		0.032	0.614
5	300.0	0.6998		8.045	0.544		0.071	0.665
6	400.0	0.7102		7.933	0.551		0.123	0.710
7	500.0	0.7238		7.788	0.557		0.183	0.744
8	600.0	0.7399		7.615	0.562		0.251	0.771
9	700.0	0.7590		7.421	0.566		0.322	0.792
10	800.0	0.7815		7.210	0.569		0.392	0.808
11	900.0	0.8055		6.986	0.573		0.461	0.822
12	1000.0	0.8334		6.752	0.575		0.525	0.834
13	1200.0	0.8952		6.270	0.587		0.634	0.853
14	1500.0	1.0069		5.565	0.608		0.735	0.877
17	1664.8	1.0771	28.496	5.206	0.619	6.036	0.742	0.878
18	1669.6	1.0792	28.428	5.197	0.620	6.037	0.741	0.880
19	1674.5	1.0813	28.362	5.188	0.620	6.038	0.741	0.883
20	1679.4	1.0835	28.293	5.179	0.620	6.042	0.740	0.885
21	1684.3	1.0856	28.239	5.169	0.621	6.060	0.739	0.886
22	1689.2	1.0878	28.192	5.160	0.621	6.073	0.739	0.886
23	1694.1	1.0900	28.141	5.151	0.621	6.082	0.738	0.886
24	1699.0	1.0922	28.087	5.142	0.622	6.089	0.738	0.886
25	1703.9	1.0944	28.029	5.133	0.622	6.093	0.737	0.886
26	1708.9	1.0966	27.969	5.124	0.623	6.097	0.737	0.885
27	1713.8	1.0988	27.907	5.115	0.623	6.105	0.736	0.884
28	1718.8	1.1010	27.859	5.106	0.623	6.124	0.736	0.884
29	1723.8	1.1033	27.815	5.096	0.624	6.137	0.735	0.883
30	1728.7	1.1055	27.767	5.087	0.624	6.146	0.735	0.882
31	1733.7	1.1078	27.714	5.078	0.625	6.153	0.735	0.881
32	1738.7	1.1100	27.659	5.069	0.625	6.158	0.734	0.880
33	1743.8	1.1123	27.601	5.060	0.625	6.161	0.734	0.880
34	1748.8	1.1146	27.543	5.051	0.626	6.176	0.734	0.879
35	1753.8	1.1169	27.500	5.042	0.626	6.193	0.733	0.879
36	1758.9	1.1192	27.457	5.033	0.627	6.205	0.733	0.878
37	1763.9	1.1215	27.408	5.024	0.627	6.214	0.733	0.878
38	1769.0	1.1238	27.357	5.015	0.627	6.220	0.732	0.879
39	1774.1	1.1261	27.302	5.006	0.628	6.224	0.732	0.880
40	1779.2	1.1285	27.244	4.997	0.628	6.231	0.732	0.882
41	1784.3	1.1308	27.197	4.988	0.629	6.250	0.731	0.885
42	1789.4	1.1332	27.157	4.979	0.629	6.265	0.731	0.887
43	1794.5	1.1356	27.113	4.970	0.629	6.276	0.731	0.888
44	1799.6	1.1380	27.065	4.961	0.630	6.284	0.730	0.889
45	1804.8	1.1403	27.015	4.952	0.630	6.290	0.730	0.889

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
46	1809.9	1.1427	26.961	4.943	0.631	6.294	0.730	0.889
47	1815.1	1.1452	26.909	4.934	0.631	6.311	0.729	0.888
48	1820.3	1.1476	26.870	4.925	0.632	6.328	0.729	0.888
49	1825.5	1.1500	26.830	4.916	0.632	6.341	0.729	0.887
50	1830.7	1.1525	26.787	4.907	0.633	6.351	0.728	0.886
51	1835.9	1.1549	26.740	4.899	0.633	6.358	0.728	0.886
52	1841.1	1.1574	26.690	4.890	0.634	6.364	0.727	0.885
53	1846.3	1.1598	26.637	4.881	0.634	6.376	0.727	0.884
54	1846.9	1.1601	26.633	4.880	0.634	6.378	0.727	0.884
55	1848.1	1.1606	26.706	4.880	0.635	6.435	0.727	0.884
56	1849.5	1.1613	26.739	4.878	0.635	6.463	0.727	0.884
57	1851.0	1.1620	26.760	4.876	0.635	6.498	0.727	0.884
58	1852.5	1.1627	26.772	4.873	0.635	6.519	0.727	0.884
59	1853.9	1.1634	26.778	4.871	0.635	6.531	0.727	0.883
60	1855.4	1.1641	26.780	4.868	0.635	6.541	0.727	0.883
61	1856.9	1.1647	26.777	4.866	0.636	6.548	0.727	0.883
62	1858.4	1.1654	26.772	4.863	0.636	6.555	0.727	0.883
63	1859.8	1.1661	26.765	4.861	0.636	6.560	0.727	0.883
64	1861.3	1.1668	26.756	4.858	0.636	6.565	0.727	0.883
65	1862.8	1.1675	26.746	4.856	0.636	6.569	0.727	0.882
66	1864.2	1.1682	26.736	4.853	0.636	6.572	0.727	0.882
67	1865.7	1.1689	26.724	4.851	0.636	6.575	0.727	0.882
68	1867.2	1.1697	26.712	4.848	0.637	6.577	0.727	0.882
69	1868.7	1.1704	26.699	4.846	0.637	6.579	0.727	0.882
70	1870.1	1.1711	26.686	4.844	0.637	6.581	0.727	0.882
71	1871.6	1.1718	26.673	4.841	0.637	6.583	0.727	0.882
72	1873.1	1.1725	26.659	4.839	0.637	6.584	0.727	0.882
73	1874.6	1.1732	26.645	4.836	0.637	6.586	0.727	0.882
74	1876.1	1.1739	26.635	4.834	0.637	6.603	0.727	0.882
75	1877.5	1.1746	26.641	4.831	0.637	6.621	0.727	0.882
76	1879.0	1.1753	26.646	4.829	0.638	6.636	0.727	0.882
77	1880.5	1.1760	26.647	4.826	0.638	6.647	0.727	0.882
78	1882.0	1.1767	26.645	4.824	0.638	6.656	0.727	0.882
79	1883.5	1.1774	26.641	4.821	0.638	6.663	0.727	0.882
80	1885.0	1.1782	26.634	4.819	0.638	6.669	0.727	0.883
81	1886.5	1.1789	26.626	4.817	0.638	6.674	0.727	0.883
82	1888.0	1.1796	26.617	4.814	0.638	6.678	0.727	0.883
83	1889.4	1.1803	26.607	4.812	0.638	6.682	0.726	0.884
84	1890.9	1.1810	26.596	4.809	0.638	6.685	0.726	0.885
85	1892.4	1.1817	26.585	4.807	0.639	6.688	0.726	0.885
86	1893.9	1.1825	26.573	4.804	0.639	6.690	0.726	0.886
87	1895.4	1.1832	26.561	4.802	0.639	6.693	0.726	0.887
88	1896.9	1.1839	26.549	4.799	0.639	6.695	0.726	0.888
89	1898.4	1.1846	26.536	4.797	0.639	6.697	0.726	0.888
90	1899.9	1.1853	26.523	4.794	0.639	6.699	0.726	0.889

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
91	1901.4	1.1861	26.510	4.792	0.639	6.700	0.726	0.890
92	1902.9	1.1868	26.497	4.790	0.639	6.702	0.726	0.890
93	1904.4	1.1875	26.484	4.787	0.639	6.704	0.726	0.891
94	1905.9	1.1882	26.470	4.785	0.640	6.705	0.726	0.891
95	1907.4	1.1890	26.455	4.782	0.640	6.709	0.726	0.892
96	1908.9	1.1897	26.453	4.780	0.640	6.730	0.726	0.892
97	1910.4	1.1904	26.461	4.777	0.640	6.748	0.726	0.892
98	1911.9	1.1912	26.465	4.775	0.640	6.762	0.726	0.892
99	1913.4	1.1919	26.467	4.772	0.640	6.773	0.726	0.892
100	1914.9	1.1926	26.466	4.770	0.640	6.783	0.726	0.893
101	1916.4	1.1933	26.462	4.768	0.640	6.790	0.726	0.893
102	1918.0	1.1941	26.457	4.765	0.640	6.797	0.726	0.893
103	1919.5	1.1948	26.450	4.763	0.641	6.803	0.726	0.893
104	1921.0	1.1956	26.442	4.760	0.641	6.808	0.726	0.893
105	1922.5	1.1963	26.434	4.758	0.641	6.812	0.726	0.893
106	1924.0	1.1970	26.424	4.755	0.641	6.816	0.726	0.893
107	1925.5	1.1978	26.414	4.753	0.641	6.819	0.726	0.893
108	1927.0	1.1985	26.404	4.750	0.641	6.823	0.726	0.893
109	1928.6	1.1992	26.393	4.748	0.641	6.826	0.726	0.892
110	1930.1	1.2000	26.382	4.746	0.641	6.829	0.726	0.892
111	1931.6	1.2007	26.371	4.743	0.641	6.831	0.726	0.892
112	1933.1	1.2015	26.359	4.741	0.642	6.834	0.726	0.892
113	1934.6	1.2022	26.348	4.738	0.642	6.836	0.726	0.892
114	1936.2	1.2029	26.336	4.736	0.642	6.839	0.726	0.892
115	1937.7	1.2037	26.324	4.733	0.642	6.841	0.726	0.892
116	1939.2	1.2044	26.311	4.731	0.642	6.843	0.726	0.891
117	1940.7	1.2052	26.304	4.728	0.642	6.862	0.726	0.891
118	1942.2	1.2059	26.312	4.726	0.642	6.882	0.726	0.891
119	1943.8	1.2067	26.319	4.724	0.642	6.898	0.726	0.891
120	1945.3	1.2074	26.323	4.721	0.642	6.910	0.726	0.891
121	1946.8	1.2082	26.323	4.719	0.642	6.919	0.726	0.891
122	1948.4	1.2089	26.320	4.716	0.642	6.927	0.725	0.890
123	1949.9	1.2097	26.315	4.714	0.643	6.933	0.725	0.890
124	1951.4	1.2104	26.309	4.711	0.643	6.940	0.725	0.890
125	1953.0	1.2112	26.302	4.709	0.643	6.945	0.725	0.890
126	1954.5	1.2119	26.295	4.706	0.643	6.950	0.725	0.890
127	1956.0	1.2127	26.287	4.704	0.643	6.955	0.725	0.889
128	1957.6	1.2135	26.278	4.702	0.643	6.959	0.725	0.889
129	1959.1	1.2142	26.269	4.699	0.643	6.963	0.725	0.889
130	1960.0	1.2147	26.263	4.698	0.643	6.965	0.725	0.889
131	1960.2	1.2148	26.268	4.697	0.643	6.970	0.725	0.889
132	1961.0	1.2152	26.265	4.696	0.643	6.973	0.725	0.889
133	1961.8	1.2156	26.268	4.695	0.643	6.984	0.725	0.889
134	1962.7	1.2160	26.270	4.694	0.643	6.992	0.725	0.888
135	1963.5	1.2164	26.271	4.692	0.644	6.997	0.725	0.888

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
136	1964.3	1.2168	26.270	4.691	0.644	7.002	0.725	0.888
137	1965.1	1.2172	26.268	4.690	0.644	7.006	0.725	0.888
138	1965.9	1.2176	26.266	4.688	0.644	7.010	0.725	0.888
139	1966.7	1.2180	26.263	4.687	0.644	7.013	0.725	0.888
140	1967.6	1.2184	26.259	4.686	0.644	7.016	0.725	0.888
141	1968.4	1.2188	26.256	4.685	0.644	7.019	0.725	0.888
142	1969.2	1.2192	26.251	4.683	0.644	7.022	0.725	0.888
143	1970.0	1.2196	26.247	4.682	0.644	7.024	0.725	0.887
144	1970.9	1.2200	26.243	4.681	0.644	7.027	0.725	0.887
145	1971.7	1.2204	26.251	4.679	0.644	7.051	0.725	0.887
146	1972.5	1.2208	26.270	4.678	0.644	7.073	0.725	0.887
147	1973.3	1.2212	26.283	4.677	0.644	7.090	0.725	0.887
148	1974.1	1.2216	26.296	4.675	0.644	7.106	0.725	0.887
149	1975.0	1.2220	26.306	4.674	0.644	7.118	0.725	0.887
150	1975.8	1.2225	26.314	4.673	0.644	7.128	0.725	0.887
151	1976.6	1.2229	26.319	4.672	0.644	7.137	0.725	0.887
152	1977.4	1.2233	26.322	4.670	0.645	7.145	0.725	0.887
153	1978.3	1.2237	26.324	4.669	0.645	7.151	0.725	0.887
154	1979.1	1.2241	26.325	4.668	0.645	7.157	0.725	0.887
155	1979.9	1.2245	26.326	4.666	0.645	7.163	0.725	0.886
156	1980.7	1.2249	26.325	4.665	0.645	7.168	0.725	0.886
157	1981.6	1.2253	26.324	4.664	0.645	7.173	0.725	0.886
158	1982.4	1.2257	26.323	4.662	0.645	7.177	0.725	0.886
159	1983.2	1.2262	26.321	4.661	0.645	7.181	0.725	0.886
160	1984.1	1.2266	26.319	4.660	0.645	7.185	0.725	0.886
161	1984.9	1.2270	26.317	4.659	0.645	7.189	0.725	0.886
162	1985.7	1.2274	26.314	4.657	0.645	7.193	0.725	0.886
163	1986.5	1.2278	26.311	4.656	0.645	7.196	0.725	0.886
164	1987.4	1.2282	26.308	4.655	0.645	7.200	0.725	0.886
165	1988.2	1.2286	26.305	4.653	0.645	7.203	0.725	0.886
166	1989.0	1.2290	26.302	4.652	0.645	7.206	0.725	0.886
167	1989.9	1.2295	26.298	4.651	0.645	7.209	0.724	0.886
168	1990.7	1.2299	26.295	4.649	0.645	7.212	0.724	0.886
169	1991.5	1.2303	26.291	4.648	0.646	7.215	0.724	0.886
170	1992.4	1.2307	26.288	4.647	0.646	7.218	0.724	0.886
171	1993.2	1.2311	26.284	4.646	0.646	7.221	0.724	0.886
172	1994.1	1.2315	26.280	4.644	0.646	7.224	0.724	0.886
173	1994.9	1.2320	26.276	4.643	0.646	7.227	0.724	0.886
174	1995.7	1.2324	26.272	4.642	0.646	7.229	0.724	0.886
175	1996.6	1.2328	26.268	4.640	0.646	7.232	0.724	0.886
176	1997.4	1.2332	26.264	4.639	0.646	7.235	0.724	0.886
177	1998.2	1.2336	26.260	4.638	0.646	7.238	0.724	0.886
178	1999.1	1.2340	26.256	4.636	0.646	7.240	0.724	0.886
179	1999.9	1.2345	26.252	4.635	0.646	7.243	0.724	0.887
180	2000.0	1.2345	26.251	4.635	0.646	7.243	0.724	0.887

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
181	2000.7	1.2349	26.248	4.634	0.646	7.245	0.724	0.887
182	2001.6	1.2353	26.244	4.633	0.646	7.248	0.724	0.887
183	2002.4	1.2357	26.239	4.631	0.646	7.251	0.724	0.887
184	2003.3	1.2361	26.235	4.630	0.646	7.260	0.724	0.887
185	2004.1	1.2366	26.256	4.629	0.646	7.290	0.724	0.887
186	2004.9	1.2370	26.274	4.627	0.647	7.310	0.724	0.887
187	2005.8	1.2374	26.289	4.626	0.647	7.329	0.724	0.888
188	2006.6	1.2378	26.303	4.625	0.647	7.345	0.724	0.888
189	2007.5	1.2382	26.314	4.623	0.647	7.358	0.724	0.888
190	2008.3	1.2387	26.323	4.622	0.647	7.369	0.724	0.888
191	2009.2	1.2391	26.329	4.621	0.647	7.379	0.724	0.889
192	2010.0	1.2395	26.334	4.620	0.647	7.388	0.724	0.889
193	2010.9	1.2399	26.338	4.618	0.647	7.396	0.724	0.889
194	2011.7	1.2404	26.341	4.617	0.647	7.404	0.724	0.890
195	2012.5	1.2408	26.343	4.616	0.647	7.411	0.724	0.890
196	2013.4	1.2412	26.344	4.614	0.647	7.417	0.724	0.891
197	2014.2	1.2416	26.345	4.613	0.647	7.423	0.724	0.891
198	2015.1	1.2421	26.346	4.612	0.647	7.429	0.724	0.891
199	2015.9	1.2425	26.346	4.610	0.647	7.435	0.724	0.892
200	2016.8	1.2429	26.346	4.609	0.647	7.440	0.724	0.892
201	2017.6	1.2433	26.345	4.608	0.647	7.445	0.724	0.892
202	2018.5	1.2438	26.344	4.607	0.648	7.450	0.724	0.893
203	2019.3	1.2442	26.344	4.605	0.648	7.455	0.724	0.893
204	2020.2	1.2446	26.342	4.604	0.648	7.460	0.724	0.894
205	2021.0	1.2451	26.341	4.603	0.648	7.464	0.724	0.894
206	2021.9	1.2455	26.340	4.601	0.648	7.469	0.724	0.894
207	2022.7	1.2459	26.338	4.600	0.648	7.473	0.724	0.895
208	2023.6	1.2463	26.336	4.599	0.648	7.478	0.724	0.895
209	2024.4	1.2468	26.335	4.597	0.648	7.482	0.724	0.895
210	2025.3	1.2472	26.333	4.596	0.648	7.486	0.724	0.896
211	2026.2	1.2476	26.331	4.595	0.648	7.491	0.724	0.896
212	2027.0	1.2481	26.329	4.593	0.648	7.495	0.724	0.896
213	2027.9	1.2485	26.327	4.592	0.648	7.499	0.724	0.897
214	2028.7	1.2489	26.324	4.591	0.648	7.503	0.724	0.897
215	2029.6	1.2494	26.322	4.590	0.648	7.507	0.724	0.897
216	2030.4	1.2498	26.320	4.588	0.649	7.511	0.724	0.897
217	2031.3	1.2502	26.318	4.587	0.649	7.515	0.724	0.897
218	2032.2	1.2507	26.315	4.586	0.649	7.519	0.724	0.898
219	2033.0	1.2511	26.313	4.584	0.649	7.523	0.724	0.898
220	2033.9	1.2515	26.311	4.583	0.649	7.527	0.724	0.898
221	2034.7	1.2520	26.308	4.582	0.649	7.531	0.724	0.898
222	2035.6	1.2524	26.318	4.580	0.649	7.558	0.724	0.898
223	2036.5	1.2528	26.343	4.579	0.649	7.585	0.724	0.898
224	2037.3	1.2533	26.363	4.578	0.649	7.606	0.724	0.899
225	2038.2	1.2537	26.379	4.576	0.649	7.627	0.724	0.899

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
226	2039.0	1.2541	26.395	4.575	0.649	7.644	0.723	0.899
227	2039.9	1.2546	26.408	4.574	0.649	7.659	0.723	0.899
228	2040.8	1.2550	26.419	4.573	0.649	7.673	0.723	0.899
229	2041.6	1.2554	26.428	4.571	0.649	7.685	0.723	0.899
230	2042.5	1.2559	26.436	4.570	0.650	7.696	0.723	0.899
231	2043.3	1.2563	26.442	4.569	0.650	7.707	0.723	0.899
232	2044.2	1.2568	26.448	4.567	0.650	7.716	0.723	0.899
233	2045.1	1.2572	26.453	4.566	0.650	7.726	0.723	0.899
234	2045.9	1.2576	26.458	4.565	0.650	7.734	0.723	0.899
235	2046.8	1.2581	26.461	4.563	0.650	7.743	0.723	0.899
236	2047.7	1.2585	26.465	4.562	0.650	7.751	0.723	0.899
237	2048.5	1.2590	26.468	4.561	0.650	7.759	0.723	0.899
238	2049.4	1.2594	26.470	4.559	0.650	7.766	0.723	0.899
239	2050.3	1.2598	26.473	4.558	0.650	7.774	0.723	0.899
240	2051.1	1.2603	26.475	4.557	0.650	7.781	0.723	0.899
241	2052.0	1.2607	26.477	4.555	0.650	7.788	0.723	0.899
242	2052.9	1.2612	26.478	4.554	0.650	7.795	0.723	0.899
243	2053.8	1.2616	26.480	4.553	0.650	7.802	0.723	0.899
244	2054.6	1.2621	26.481	4.552	0.651	7.809	0.723	0.899
245	2055.5	1.2625	26.482	4.550	0.651	7.815	0.723	0.899
246	2056.4	1.2629	26.483	4.549	0.651	7.822	0.723	C.899
247	2057.2	1.2634	26.484	4.548	0.651	7.828	0.723	0.898
248	2058.1	1.2638	26.485	4.546	0.651	7.834	0.723	0.898
249	2059.0	1.2643	26.486	4.545	0.651	7.841	0.723	0.898
250	2059.9	1.2647	26.487	4.544	0.651	7.847	0.723	0.898
251	2060.7	1.2652	26.487	4.542	0.651	7.853	0.723	0.898
252	2061.6	1.2656	26.488	4.541	0.651	7.859	0.723	0.898
253	2062.5	1.2661	26.488	4.540	0.651	7.866	0.723	0.898
254	2063.4	1.2665	26.489	4.538	0.651	7.872	0.723	0.898
255	2064.3	1.2670	26.489	4.537	0.651	7.878	0.723	0.898
256	2065.1	1.2674	26.490	4.536	0.651	7.884	0.723	0.898
257	2066.0	1.2679	26.490	4.535	0.651	7.890	0.723	0.898
258	2066.9	1.2683	26.491	4.533	0.652	7.902	0.723	0.898
259	2067.8	1.2687	26.521	4.532	0.652	7.941	0.723	0.898
260	2068.6	1.2692	26.550	4.531	0.652	7.970	0.723	0.897
261	2069.5	1.2696	26.573	4.529	0.652	7.995	0.723	0.897
262	2070.4	1.2701	26.593	4.528	0.652	8.016	0.723	0.897
263	2071.3	1.2705	26.610	4.527	0.652	8.034	0.723	0.897
264	2072.2	1.2710	26.624	4.525	0.652	8.053	0.723	0.897
265	2073.0	1.2714	26.637	4.524	0.652	8.069	0.723	0.897
266	2073.9	1.2719	26.648	4.523	0.652	8.085	0.723	0.897
267	2074.8	1.2723	26.660	4.521	0.652	8.100	0.723	0.897
268	2075.7	1.2728	26.671	4.520	0.652	8.114	0.723	0.897
269	2076.6	1.2732	26.681	4.519	0.652	8.127	0.723	0.896
270	2077.4	1.2737	26.690	4.517	0.652	8.140	0.723	0.896

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
271	2078.3	1.2742	26.699	4.516	0.652	8.152	0.723	0.896
272	2079.2	1.2746	26.707	4.515	0.653	8.164	0.723	0.896
273	2080.1	1.2751	26.715	4.513	0.653	8.176	0.723	0.896
274	2081.0	1.2755	26.722	4.512	0.653	8.187	0.723	0.896
275	2081.9	1.2760	26.728	4.511	0.653	8.198	0.723	0.896
276	2082.8	1.2764	26.735	4.510	0.653	8.209	0.723	0.896
277	2083.6	1.2769	26.741	4.508	0.653	8.220	0.723	0.896
278	2084.5	1.2773	26.747	4.507	0.653	8.230	0.723	0.895
279	2085.4	1.2778	26.753	4.506	0.653	8.241	0.723	0.895
280	2086.3	1.2783	26.758	4.504	0.653	8.251	0.723	0.895
281	2087.2	1.2787	26.764	4.503	0.653	8.261	0.723	0.895
282	2088.1	1.2792	26.769	4.502	0.653	8.271	0.723	0.895
283	2089.0	1.2796	26.774	4.500	0.653	8.281	0.723	0.895
284	2089.9	1.2801	26.779	4.499	0.653	8.290	0.723	0.895
285	2090.8	1.2805	26.784	4.498	0.653	8.300	0.723	0.895
286	2091.7	1.2810	26.789	4.496	0.653	8.310	0.723	0.895
287	2092.6	1.2815	26.793	4.495	0.653	8.319	0.723	0.895
288	2093.4	1.2819	26.798	4.494	0.654	8.329	0.723	0.894
289	2094.3	1.2824	26.802	4.492	0.654	8.339	0.723	0.894
290	2095.2	1.2828	26.807	4.491	0.654	8.348	0.723	0.894
291	2096.1	1.2833	26.811	4.490	0.654	8.358	0.723	0.894
292	2097.0	1.2838	26.816	4.488	0.654	8.367	0.723	0.894
293	2097.9	1.2842	26.820	4.487	0.654	8.376	0.723	0.894
294	2098.8	1.2847	26.852	4.486	0.654	8.415	0.723	0.894
295	2099.7	1.2852	26.891	4.485	0.654	8.458	0.723	0.894
296	2100.6	1.2856	26.926	4.483	0.654	8.494	0.723	0.894
297	2101.5	1.2861	26.957	4.482	0.654	8.524	0.723	0.894
298	2102.4	1.2865	26.983	4.481	0.654	8.552	0.723	0.894
299	2103.3	1.2870	27.007	4.479	0.654	8.577	0.723	0.893
300	2104.2	1.2875	27.028	4.478	0.654	8.600	0.723	0.893
301	2105.1	1.2879	27.048	4.477	0.654	8.622	0.723	0.893
302	2106.0	1.2884	27.067	4.475	0.654	8.643	0.723	0.893
303	2106.9	1.2889	27.084	4.474	0.655	8.663	0.723	0.893
304	2107.8	1.2893	27.101	4.473	0.655	8.682	0.723	0.893
305	2108.7	1.2898	27.117	4.471	0.655	8.701	0.723	0.893
306	2109.6	1.2903	27.132	4.470	0.655	8.720	0.723	0.893
307	2110.5	1.2907	27.147	4.469	0.655	8.738	0.723	0.893
308	2111.4	1.2912	27.161	4.467	0.655	8.755	0.723	0.893
309	2112.3	1.2917	27.175	4.466	0.655	8.773	0.723	0.893
310	2113.2	1.2922	27.189	4.465	0.655	8.790	0.723	0.893
311	2114.1	1.2926	27.202	4.463	0.655	8.807	0.723	0.893
312	2115.0	1.2931	27.216	4.462	0.655	8.823	0.723	0.893
313	2116.0	1.2936	27.228	4.461	0.655	8.840	0.723	0.893
314	2116.9	1.2940	27.241	4.459	0.655	8.856	0.723	0.893
315	2117.8	1.2945	27.254	4.458	0.655	8.873	0.723	0.893

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
316	2118.7	1.2950	27.266	4.457	0.655	8.889	0.723	0.893
317	2119.6	1.2954	27.278	4.455	0.656	8.905	0.723	0.893
318	2120.5	1.2959	27.290	4.454	0.656	8.921	0.723	0.893
319	2121.4	1.2964	27.303	4.453	0.656	8.937	0.723	0.893
320	2122.3	1.2969	27.315	4.452	0.656	8.953	0.723	0.893
321	2123.2	1.2973	27.326	4.450	0.656	8.969	0.723	0.893
322	2124.1	1.2978	27.338	4.449	0.656	8.985	0.723	0.893
323	2125.1	1.2983	27.350	4.448	0.656	9.001	0.723	0.893
324	2126.0	1.2988	27.362	4.446	0.656	9.017	0.723	0.893
325	2126.9	1.2992	27.374	4.445	0.656	9.033	0.723	0.893
326	2127.8	1.2997	27.385	4.444	0.656	9.049	0.723	0.894
327	2128.7	1.3002	27.397	4.442	0.656	9.065	0.723	0.894
328	2129.6	1.3007	27.409	4.441	0.656	9.081	0.723	0.894
329	2130.5	1.3011	27.457	4.440	0.656	9.139	0.723	0.894
330	2131.5	1.3016	27.507	4.438	0.656	9.193	0.723	0.894
331	2132.4	1.3021	27.554	4.437	0.656	9.240	0.723	0.894
332	2133.3	1.3026	27.595	4.436	0.657	9.282	0.723	0.895
333	2134.2	1.3031	27.633	4.434	0.657	9.321	0.723	0.895
334	2135.1	1.3035	27.668	4.433	0.657	9.357	0.723	0.895
335	2136.0	1.3040	27.701	4.432	0.657	9.391	0.723	0.895
336	2137.0	1.3045	27.733	4.430	0.657	9.424	0.723	0.896
337	2137.9	1.3050	27.762	4.429	0.657	9.455	0.723	0.896
338	2138.8	1.3054	27.791	4.428	0.657	9.486	0.723	0.896
339	2139.7	1.3059	27.819	4.426	0.657	9.516	0.723	0.897
340	2140.6	1.3064	27.846	4.425	0.657	9.546	0.723	0.897
341	2141.6	1.3069	27.872	4.424	0.657	9.575	0.723	0.897
342	2142.5	1.3074	27.898	4.422	0.657	9.603	0.723	0.898
343	2143.4	1.3079	27.924	4.421	0.657	9.631	0.723	0.898
344	2144.3	1.3083	27.949	4.420	0.657	9.659	0.723	0.899
345	2145.3	1.3088	27.973	4.418	0.657	9.687	0.723	0.899
346	2146.2	1.3093	27.998	4.417	0.658	9.714	0.723	0.900
347	2147.1	1.3098	28.022	4.416	0.658	9.742	0.723	0.900
348	2148.0	1.3103	28.046	4.414	0.658	9.769	0.723	0.901
349	2149.0	1.3108	28.069	4.413	0.658	9.796	0.723	0.901
350	2149.9	1.3112	28.093	4.412	0.658	9.823	0.723	0.901
351	2150.8	1.3117	28.117	4.410	0.658	9.850	0.724	0.902
352	2151.7	1.3122	28.140	4.409	0.658	9.877	0.724	0.902
353	2152.7	1.3127	28.163	4.408	0.658	9.904	0.724	0.903
354	2153.6	1.3132	28.187	4.406	0.658	9.931	0.724	0.903
355	2154.5	1.3137	28.210	4.405	0.658	9.958	0.724	0.904
356	2155.4	1.3142	28.233	4.404	0.658	9.985	0.724	0.904
357	2156.4	1.3147	28.256	4.403	0.658	10.012	0.724	0.904
358	2157.3	1.3151	28.279	4.401	0.658	10.039	0.724	0.905
359	2158.2	1.3156	28.303	4.400	0.659	10.066	0.724	0.905
360	2159.2	1.3161	28.326	4.399	0.659	10.093	0.724	0.905

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
361	2160.1	1.3166	28.349	4.397	0.659	10.121	0.724	0.906
362	2161.0	1.3171	28.373	4.396	0.659	10.148	0.724	0.906
363	2162.0	1.3176	28.433	4.395	0.659	10.219	0.724	0.906
364	2162.9	1.3181	28.502	4.393	0.659	10.295	0.724	0.907
365	2163.8	1.3186	28.564	4.392	0.659	10.363	0.724	0.907
366	2164.8	1.3191	28.625	4.391	0.659	10.427	0.724	0.907
367	2165.7	1.3195	28.683	4.389	0.659	10.486	0.724	0.907
368	2166.6	1.3200	28.737	4.388	0.659	10.543	0.724	0.907
369	2167.6	1.3205	28.789	4.387	0.659	10.597	0.724	0.907
370	2168.5	1.3210	28.839	4.385	0.659	10.650	0.724	0.908
371	2169.4	1.3215	28.887	4.384	0.659	10.702	0.724	0.908
372	2170.4	1.3220	28.935	4.383	0.659	10.753	0.725	0.908
373	2171.3	1.3225	28.981	4.381	0.660	10.803	0.725	0.908
374	2172.2	1.3230	29.027	4.380	0.660	10.852	0.725	0.908
375	2173.2	1.3235	29.071	4.379	0.660	10.901	0.725	0.908
376	2174.1	1.3240	29.116	4.377	0.660	10.950	0.725	0.908
377	2175.1	1.3245	29.160	4.376	0.660	10.998	0.725	0.908
378	2176.0	1.3250	29.203	4.375	0.660	11.046	0.725	0.908
379	2176.9	1.3255	29.246	4.373	0.660	11.094	0.725	0.908
380	2177.9	1.3260	29.289	4.372	0.660	11.142	0.725	0.909
381	2178.8	1.3265	29.332	4.371	0.660	11.190	0.725	0.909
382	2179.8	1.3270	29.375	4.369	0.660	11.237	0.725	0.909
383	2180.7	1.3275	29.417	4.368	0.660	11.285	0.725	0.909
384	2181.7	1.3280	29.458	4.367	0.660	11.332	0.726	0.909
385	2182.6	1.3285	29.500	4.365	0.660	11.380	0.726	0.909
386	2183.6	1.3290	29.543	4.364	0.660	11.428	0.726	0.909
387	2184.5	1.3295	29.585	4.363	0.661	11.476	0.726	0.909
388	2185.4	1.3300	29.628	4.361	0.661	11.525	0.726	0.909
389	2186.4	1.3305	29.670	4.360	0.661	11.574	0.726	0.909
390	2187.3	1.3310	29.713	4.359	0.661	11.623	0.726	0.909
391	2188.3	1.3315	29.756	4.357	0.661	11.672	0.726	0.909
392	2189.2	1.3320	29.799	4.356	0.661	11.722	0.726	0.909
393	2190.2	1.3325	29.842	4.355	0.661	11.772	0.726	0.909
394	2191.1	1.3330	29.885	4.353	0.661	11.822	0.727	0.909
395	2192.1	1.3335	29.928	4.352	0.661	11.873	0.727	0.909
396	2193.0	1.3340	29.988	4.351	0.661	11.941	0.727	0.908
397	2194.0	1.3345	30.081	4.349	0.661	12.059	0.727	0.908
398	2195.0	1.3350	30.178	4.348	0.661	12.170	0.727	0.908
399	2195.9	1.3355	30.271	4.347	0.661	12.275	0.727	0.908
400	2196.9	1.3360	30.361	4.345	0.662	12.375	0.727	0.908
401	2197.8	1.3365	30.447	4.344	0.662	12.473	0.727	0.908
402	2198.8	1.3370	30.531	4.343	0.662	12.569	0.728	0.908
403	2199.7	1.3375	30.612	4.341	0.662	12.662	0.728	0.908
404	2200.7	1.3381	30.693	4.340	0.662	12.755	0.728	0.908
405	2201.6	1.3386	30.772	4.339	0.662	12.847	0.728	0.908

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
406	2202.6	1.3391	30.850	4.337	0.662	12.938	0.728	0.908
407	2203.5	1.3396	30.927	4.336	0.662	13.029	0.728	0.908
408	2204.5	1.3401	31.003	4.335	0.662	13.119	0.729	0.908
409	2205.5	1.3406	31.078	4.333	0.662	13.210	0.729	0.908
410	2206.4	1.3411	31.153	4.332	0.662	13.301	0.729	0.908
411	2207.4	1.3416	31.229	4.331	0.662	13.392	0.729	0.907
412	2208.3	1.3421	31.306	4.329	0.662	13.485	0.729	0.907
413	2209.3	1.3426	31.383	4.328	0.662	13.578	0.730	0.907
414	2210.3	1.3432	31.458	4.327	0.663	13.670	0.730	0.907
415	2211.2	1.3437	31.532	4.325	0.663	13.763	0.730	0.907
416	2212.2	1.3442	31.606	4.324	0.663	13.857	0.730	0.907
417	2213.1	1.3447	31.666	4.323	0.663	13.931	0.731	0.907
418	2214.1	1.3452	31.704	4.321	0.663	13.977	0.731	0.907
419	2215.1	1.3457	31.716	4.320	0.663	14.001	0.731	0.907
420	2216.0	1.3462	31.654	4.319	0.663	14.005	0.731	0.907
421	2217.0	1.3468	31.580	4.317	0.663	14.004	0.732	0.907
422	2218.0	1.3473	31.546	4.316	0.663	13.997	0.732	0.906
423	2218.9	1.3478	31.506	4.315	0.663	13.983	0.732	0.906
424	2219.9	1.3483	31.443	4.313	0.663	13.974	0.733	0.906
425	2220.9	1.3488	31.373	4.312	0.663	13.970	0.733	0.906
426	2221.9	1.3493	31.327	4.311	0.663	13.968	0.733	0.906
427	2222.8	1.3499	31.296	4.309	0.664	13.963	0.734	0.906
428	2223.8	1.3504	31.252	4.308	0.664	13.958	0.734	0.906
429	2224.8	1.3509	31.170	4.307	0.664	13.955	0.734	0.906
430	2225.7	1.3514	31.070	4.305	0.664	13.938	0.735	0.906
431	2226.7	1.3519	30.985	4.304	0.664	13.922	0.735	0.906
432	2227.7	1.3525	30.909	4.303	0.664	13.910	0.736	0.906
433	2228.7	1.3530	30.830	4.301	0.664	13.904	0.736	0.905
434	2229.6	1.3535	30.755	4.300	0.664	13.898	0.737	0.905
435	2230.6	1.3540	30.685	4.299	0.664	13.892	0.737	0.905
436	2231.6	1.3545	30.622	4.297	0.664	13.891	0.738	0.905
437	2232.6	1.3551	30.563	4.296	0.664	13.893	0.738	0.905
438	2233.5	1.3556	30.505	4.295	0.664	13.896	0.739	0.905
439	2234.5	1.3561	30.450	4.293	0.664	13.899	0.740	0.905
440	2235.5	1.3566	30.392	4.292	0.664	13.901	0.740	0.905
441	2236.5	1.3572	30.325	4.291	0.664	13.895	0.741	0.905
442	2237.4	1.3577	30.261	4.289	0.665	13.893	0.742	0.905
443	2238.4	1.3582	30.199	4.288	0.665	13.891	0.742	0.905
444	2239.4	1.3587	30.138	4.287	0.665	13.890	0.743	0.905
445	2240.4	1.3593	30.077	4.285	0.665	13.889	0.744	0.905
446	2241.4	1.3598	30.016	4.284	0.665	13.888	0.744	0.905
447	2242.3	1.3603	29.956	4.283	0.665	13.888	0.745	0.904
448	2243.3	1.3608	29.895	4.281	0.665	13.887	0.746	0.904
449	2244.3	1.3614	29.835	4.280	0.665	13.887	0.747	0.904
450	2245.3	1.3619	29.775	4.279	0.665	13.887	0.747	0.904

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
451	2246.3	1.3624	29.713	4.277	0.665	13.886	0.748	0.904
452	2247.3	1.3629	29.651	4.276	0.665	13.884	0.749	0.904
453	2248.3	1.3635	29.581	4.275	0.665	13.875	0.750	0.904
454	2249.2	1.3640	29.562	4.273	0.665	13.892	0.750	0.904
455	2250.2	1.3645	29.552	4.272	0.665	13.939	0.751	0.904
456	2251.2	1.3651	29.544	4.271	0.666	13.986	0.752	0.904
457	2252.2	1.3656	29.536	4.269	0.666	14.034	0.753	0.904
458	2253.2	1.3661	29.528	4.268	0.666	14.083	0.754	0.904
459	2254.2	1.3667	29.520	4.267	0.666	14.133	0.755	0.904
460	2255.2	1.3672	29.512	4.265	0.666	14.182	0.756	0.904
461	2256.2	1.3677	29.497	4.264	0.666	14.234	0.757	0.904
462	2257.2	1.3683	29.462	4.263	0.666	14.301	0.758	0.904
463	2258.1	1.3688	29.440	4.261	0.666	14.369	0.759	0.904
464	2259.1	1.3693	29.423	4.260	0.666	14.440	0.759	0.904
465	2260.1	1.3698	29.410	4.259	0.666	14.510	0.761	0.905
466	2261.1	1.3704	29.398	4.257	0.666	14.584	0.762	0.905
467	2262.1	1.3709	28.540	4.256	0.666	14.659	0.763	0.905
468	2263.1	1.3714	28.530	4.255	0.666	14.734	0.764	0.905
469	2264.1	1.3720	28.521	4.253	0.666	14.809	0.765	0.905
470	2265.1	1.3725	28.507	4.252	0.667	13.954	0.766	0.905
471	2266.1	1.3731	28.498	4.251	0.667	14.022	0.767	0.905
472	2267.1	1.3736	28.494	4.249	0.667	14.088	0.768	0.905
473	2268.1	1.3741	28.483	4.248	0.667	14.157	0.769	0.905
474	2269.1	1.3747	28.466	4.247	0.667	14.228	0.770	0.906
475	2270.1	1.3752	28.461	4.245	0.667	14.294	0.772	0.906
476	2271.1	1.3758	28.456	4.244	0.667	14.358	0.773	0.906
477	2272.1	1.3763	27.661	4.242	0.667	14.450	0.774	0.906
478	2273.1	1.3768	28.439	4.241	0.667	14.249	0.775	0.906
479	2274.0	1.3774	28.367	4.240	0.668	14.373	0.776	0.907
480	2275.0	1.3779	28.766	4.238	0.668	14.469	0.777	0.907
481	2276.0	1.3785	27.961	4.237	0.668	14.532	0.779	0.907
482	2277.0	1.3790	28.836	4.236	0.668	14.532	0.780	0.907
483	2278.0	1.3795	28.704	4.234	0.668	14.592	0.781	0.908
484	2279.0	1.3801	28.420	4.233	0.668	14.595	0.782	0.908
485	2280.0	1.3806	27.837	4.232	0.668	14.682	0.783	0.908
486	2281.0	1.3812	28.346	4.230	0.668	14.651	0.784	0.909
487	2282.0	1.3817	29.024	4.229	0.668	14.823	0.785	0.909
488	2283.0	1.3823	29.820	4.228	0.668	15.961	0.786	0.909
489	2284.0	1.3828	29.351	4.226	0.668	15.914	0.787	0.910
490	2285.0	1.3833	29.599	4.225	0.669	15.869	0.788	0.910
491	2286.0	1.3839	28.873	4.224	0.669	15.885	0.789	0.911
492	2287.0	1.3844	29.736	4.223	0.669	16.048	0.790	0.911
493	2288.1	1.3850	30.631	4.221	0.669	16.705	0.791	0.912
494	2289.1	1.3855	30.757	4.220	0.669	17.067	0.792	0.912
495	2290.1	1.3861	30.493	4.219	0.669	16.906	0.793	0.912

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
496	2291.1	1.3866	30.178	4.217	0.669	16.648	0.794	0.913
497	2292.1	1.3872	29.910	4.216	0.669	16.419	0.795	0.913
498	2293.1	1.3877	29.706	4.215	0.669	16.240	0.796	0.914
499	2294.1	1.3883	29.550	4.213	0.669	16.107	0.797	0.914
500	2295.2	1.3888	29.428	4.212	0.669	16.004	0.798	0.915
501	2296.2	1.3894	29.325	4.211	0.670	15.921	0.799	0.915
502	2297.2	1.3899	29.235	4.209	0.670	15.850	0.800	0.916
503	2298.2	1.3905	29.161	4.208	0.670	15.780	0.801	0.916
504	2299.2	1.3910	29.143	4.207	0.670	15.742	0.802	0.917
505	2300.2	1.3916	29.125	4.205	0.670	15.736	0.803	0.917
506	2301.3	1.3921	29.110	4.204	0.670	15.732	0.804	0.918
507	2302.3	1.3927	29.095	4.203	0.670	15.727	0.805	0.918
508	2303.3	1.3932	29.083	4.201	0.670	15.721	0.806	0.918
509	2304.3	1.3938	29.065	4.200	0.670	15.715	0.807	0.919
510	2305.3	1.3944	29.078	4.198	0.670	15.703	0.808	0.919
511	2306.4	1.3949	29.076	4.197	0.670	15.696	0.809	0.919
512	2307.4	1.3955	28.592	4.196	0.670	15.300	0.810	0.920
513	2308.4	1.3960	28.547	4.194	0.670	15.147	0.810	0.920
514	2309.4	1.3966	28.211	4.193	0.671	15.222	0.811	0.920
515	2310.4	1.3971	29.104	4.192	0.671	15.322	0.812	0.920
516	2311.4	1.3977	28.796	4.190	0.671	15.441	0.813	0.921
517	2312.5	1.3983	28.429	4.189	0.671	15.443	0.814	0.921
518	2313.5	1.3988	28.297	4.188	0.671	15.379	0.815	0.921
519	2314.5	1.3994	28.401	4.186	0.671	15.404	0.815	0.921
520	2315.5	1.3999	28.733	4.185	0.671	15.438	0.816	0.922
521	2316.6	1.4005	28.591	4.184	0.671	15.324	0.817	0.922
522	2317.6	1.4011	28.581	4.182	0.671	15.558	0.818	0.922
523	2318.6	1.4016	28.574	4.181	0.671	15.524	0.819	0.922
524	2319.6	1.4022	28.586	4.180	0.671	15.413	0.819	0.922
525	2320.6	1.4027	28.126	4.178	0.671	15.234	0.820	0.922
526	2321.7	1.4033	28.670	4.177	0.671	15.593	0.821	0.922
527	2322.7	1.4039	28.515	4.176	0.672	15.338	0.821	0.923
528	2323.7	1.4044	28.357	4.174	0.672	15.492	0.822	0.923
529	2324.7	1.4050	28.668	4.173	0.672	15.664	0.822	0.923
530	2325.8	1.4055	29.200	4.172	0.672	15.379	0.823	0.923
531	2326.8	1.4061	29.600	4.171	0.672	16.034	0.824	0.923
532	2327.8	1.4067	29.598	4.169	0.672	16.196	0.824	0.923
533	2328.9	1.4072	29.434	4.168	0.672	16.069	0.825	0.923
534	2329.9	1.4078	29.275	4.167	0.672	15.919	0.825	0.923
535	2331.0	1.4084	29.149	4.165	0.672	15.795	0.826	0.923
536	2332.0	1.4089	29.050	4.164	0.672	15.695	0.827	0.923
537	2333.0	1.4095	28.967	4.163	0.672	15.613	0.827	0.923
538	2334.1	1.4101	28.897	4.161	0.673	15.545	0.828	0.923
539	2335.1	1.4106	28.838	4.160	0.673	15.488	0.828	0.923
540	2336.1	1.4112	28.785	4.159	0.673	15.439	0.829	0.923

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
541	2337.2	1.4118	28.736	4.157	0.673	15.394	0.829	0.923
542	2338.2	1.4124	28.688	4.156	0.673	15.352	0.830	0.923
543	2339.3	1.4129	28.643	4.155	0.673	15.312	0.830	0.923
544	2340.3	1.4135	28.599	4.153	0.673	15.274	0.831	0.923
545	2341.3	1.4141	28.556	4.152	0.673	15.238	0.831	0.923
546	2342.4	1.4146	28.513	4.151	0.673	15.201	0.832	0.923
547	2343.4	1.4152	28.470	4.149	0.673	15.165	0.832	0.923
548	2344.5	1.4158	28.426	4.148	0.673	15.129	0.833	0.923
549	2345.5	1.4163	28.381	4.147	0.674	15.092	0.833	0.923
550	2346.5	1.4169	28.335	4.145	0.674	15.055	0.834	0.923
551	2347.6	1.4175	28.288	4.144	0.674	15.017	0.834	0.923
552	2348.6	1.4181	28.243	4.142	0.674	14.986	0.835	0.923
553	2349.7	1.4186	28.212	4.141	0.674	14.965	0.835	0.923
554	2350.7	1.4192	28.178	4.140	0.674	14.944	0.836	0.923
555	2351.8	1.4198	28.125	4.138	0.674	14.916	0.836	0.923
556	2352.8	1.4204	28.073	4.137	0.674	14.880	0.837	0.923
557	2353.9	1.4209	28.026	4.136	0.674	14.847	0.837	0.923
558	2354.9	1.4215	27.980	4.134	0.675	14.818	0.838	0.923
559	2356.0	1.4221	27.937	4.133	0.675	14.793	0.838	0.923
560	2357.0	1.4227	27.896	4.132	0.675	14.769	0.839	0.923
561	2358.1	1.4233	27.914	4.130	0.675	14.785	0.839	0.923
562	2359.1	1.4238	28.120	4.129	0.675	14.833	0.839	0.923
563	2360.2	1.4244	28.207	4.128	0.675	14.897	0.840	0.922
564	2361.2	1.4250	28.209	4.126	0.675	14.923	0.840	0.922
565	2362.2	1.4256	28.180	4.125	0.675	14.915	0.841	0.922
566	2363.3	1.4261	28.141	4.124	0.675	14.889	0.841	0.922
567	2364.3	1.4267	28.104	4.122	0.676	14.860	0.842	0.922
568	2365.4	1.4273	28.070	4.121	0.676	14.829	0.842	0.922
569	2366.4	1.4279	28.039	4.120	0.676	14.801	0.842	0.922
570	2367.5	1.4285	28.009	4.118	0.676	14.774	0.843	0.922
571	2368.5	1.4290	27.981	4.117	0.676	14.749	0.843	0.922
572	2369.6	1.4296	27.958	4.116	0.676	14.724	0.844	0.922
573	2370.7	1.4302	27.936	4.114	0.676	14.700	0.844	0.922
574	2371.7	1.4308	27.916	4.113	0.676	14.680	0.844	0.922
575	2372.8	1.4314	27.896	4.112	0.676	14.662	0.845	0.922
576	2373.8	1.4320	27.876	4.110	0.677	14.643	0.845	0.922
577	2374.9	1.4326	27.857	4.109	0.677	14.625	0.846	0.921
578	2375.9	1.4331	27.842	4.108	0.677	14.610	0.846	0.921
579	2377.0	1.4337	27.827	4.106	0.677	14.595	0.846	0.921
580	2378.1	1.4343	27.811	4.105	0.677	14.580	0.847	0.921
581	2379.1	1.4349	27.794	4.104	0.677	14.564	0.847	0.921
582	2380.2	1.4355	27.777	4.102	0.677	14.547	0.847	0.921
583	2381.2	1.4361	27.760	4.101	0.677	14.531	0.848	0.921
584	2382.3	1.4367	27.743	4.100	0.677	14.515	0.848	0.921
585	2383.4	1.4373	27.715	4.098	0.678	14.492	0.849	0.921

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
586	2384.4	1.4379	27.682	4.097	0.678	14.463	0.849	0.921
587	2385.5	1.4384	27.651	4.096	0.678	14.433	0.849	0.921
588	2386.6	1.4390	27.624	4.094	0.678	14.407	0.850	0.921
589	2387.6	1.4396	27.599	4.093	0.678	14.383	0.850	0.921
590	2388.7	1.4402	27.576	4.092	0.678	14.361	0.850	0.921
591	2389.8	1.4408	27.555	4.090	0.678	14.340	0.851	0.921
592	2390.8	1.4414	27.534	4.089	0.678	14.320	0.851	0.921
593	2391.9	1.4420	27.513	4.088	0.679	14.300	0.851	0.921
594	2393.0	1.4426	27.493	4.086	0.679	14.281	0.852	0.921
595	2394.0	1.4432	27.472	4.085	0.679	14.262	0.852	0.921
596	2395.1	1.4438	27.452	4.084	0.679	14.242	0.852	0.920
597	2396.2	1.4444	27.431	4.082	0.679	14.223	0.852	0.920
598	2397.3	1.4450	27.410	4.081	0.679	14.204	0.853	0.920
599	2398.3	1.4456	27.389	4.080	0.679	14.184	0.853	0.920
600	2399.4	1.4462	27.367	4.078	0.679	14.164	0.853	0.920
601	2400.5	1.4468	27.345	4.077	0.679	14.144	0.854	0.920
602	2401.5	1.4474	27.322	4.076	0.680	14.123	0.854	0.920
603	2402.6	1.4480	27.298	4.074	0.680	14.102	0.854	0.920
604	2403.7	1.4486	27.081	4.073	0.680	13.975	0.854	0.920
605	2404.8	1.4492	27.222	4.072	0.680	14.083	0.855	0.920
606	2405.8	1.4498	27.417	4.070	0.680	14.240	0.855	0.921
607	2406.9	1.4504	27.489	4.069	0.680	14.322	0.855	0.921
608	2408.0	1.4510	27.478	4.068	0.680	14.330	0.855	0.921
609	2409.1	1.4516	27.433	4.066	0.680	14.299	0.856	0.921
610	2410.2	1.4522	27.381	4.065	0.681	14.254	0.856	0.921
611	2411.2	1.4528	27.335	4.064	0.681	14.211	0.856	0.921
612	2412.3	1.4534	27.294	4.063	0.681	14.173	0.856	0.921
613	2413.4	1.4540	27.260	4.061	0.681	14.140	0.857	0.921
614	2414.5	1.4546	27.226	4.060	0.681	14.111	0.857	0.921
615	2415.6	1.4552	27.188	4.059	0.681	14.077	0.857	0.921
616	2416.7	1.4558	27.149	4.057	0.681	14.042	0.857	0.921
617	2417.7	1.4564	27.112	4.056	0.682	14.008	0.857	0.921
618	2418.8	1.4570	27.078	4.055	0.682	13.977	0.858	0.921
619	2419.9	1.4576	27.047	4.053	0.682	13.948	0.858	0.922
620	2421.0	1.4582	27.018	4.052	0.682	13.922	0.858	0.922
621	2422.1	1.4588	26.991	4.051	0.682	13.897	0.858	0.922
622	2423.2	1.4594	26.965	4.049	0.682	13.874	0.858	0.922
623	2424.2	1.4600	26.940	4.048	0.682	13.851	0.859	0.922
624	2425.3	1.4606	26.916	4.047	0.682	13.829	0.859	0.922
625	2426.4	1.4612	26.892	4.045	0.683	13.808	0.859	0.923
626	2426.6	1.4614	26.888	4.045	0.683	13.804	0.859	0.923
627	2427.6	1.4619	26.619	4.044	0.683	13.575	0.859	0.923
628	2429.3	1.4628	26.590	4.042	0.683	13.481	0.860	0.923
629	2430.9	1.4637	26.727	4.040	0.683	13.545	0.860	0.924
630	2432.5	1.4647	26.803	4.038	0.683	13.609	0.860	0.924

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
631	2434.1	1.4656	26.798	4.036	0.683	13.651	0.860	0.925
632	2435.8	1.4665	26.815	4.034	0.684	13.672	0.861	0.925
633	2437.4	1.4674	26.829	4.032	0.684	13.682	0.861	0.926
634	2439.1	1.4683	26.815	4.030	0.684	13.675	0.861	0.926
635	2440.7	1.4692	26.790	4.028	0.684	13.656	0.861	0.927
636	2442.3	1.4702	26.761	4.026	0.684	13.632	0.862	0.927
637	2444.0	1.4711	26.732	4.024	0.685	13.606	0.862	0.928
638	2445.6	1.4720	26.704	4.022	0.685	13.581	0.862	0.929
639	2447.3	1.4729	26.665	4.020	0.685	13.552	0.862	0.929
640	2448.9	1.4739	26.621	4.018	0.685	13.515	0.862	0.930
641	2450.6	1.4748	26.577	4.016	0.685	13.477	0.863	0.931
642	2452.2	1.4757	26.536	4.014	0.686	13.441	0.863	0.932
643	2453.9	1.4766	26.500	4.012	0.686	13.408	0.863	0.933
644	2455.5	1.4776	26.466	4.010	0.686	13.378	0.863	0.933
645	2457.2	1.4785	26.434	4.008	0.686	13.350	0.863	0.934
646	2458.8	1.4794	26.403	4.006	0.686	13.323	0.864	0.935
647	2460.5	1.4804	26.373	4.004	0.686	13.296	0.864	0.936
648	2462.1	1.4813	26.344	4.002	0.687	13.270	0.864	0.937
649	2463.8	1.4822	26.316	4.000	0.687	13.245	0.864	0.937
650	2465.5	1.4832	26.287	3.998	0.687	13.220	0.864	0.938
651	2467.1	1.4841	26.260	3.996	0.687	13.194	0.864	0.939
652	2468.8	1.4850	26.232	3.994	0.687	13.169	0.865	0.939
653	2470.5	1.4860	26.203	3.992	0.688	13.143	0.865	0.940
654	2472.1	1.4869	26.135	3.990	0.688	13.124	0.865	0.940
655	2473.8	1.4879	26.186	3.988	0.688	13.150	0.865	0.941
656	2475.5	1.4888	26.233	3.986	0.688	13.184	0.865	0.941
657	2477.1	1.4897	26.230	3.984	0.688	13.185	0.865	0.942
658	2478.8	1.4907	26.195	3.982	0.689	13.159	0.865	0.942
659	2480.5	1.4916	26.143	3.980	0.689	13.117	0.865	0.943
660	2482.1	1.4926	26.087	3.978	0.689	13.069	0.865	0.943
661	2483.8	1.4935	26.036	3.976	0.689	13.024	0.865	0.943
662	2485.5	1.4945	25.990	3.974	0.689	12.983	0.866	0.944
663	2487.2	1.4954	25.949	3.972	0.690	12.947	0.866	0.944
664	2488.9	1.4964	25.912	3.971	0.690	12.914	0.866	0.944
665	2490.5	1.4973	25.878	3.969	0.690	12.885	0.866	0.945
666	2492.2	1.4983	25.846	3.967	0.690	12.856	0.866	0.945
667	2493.9	1.4992	25.815	3.965	0.690	12.830	0.866	0.945
668	2495.6	1.5002	25.786	3.963	0.690	12.804	0.866	0.945
669	2497.3	1.5012	25.757	3.961	0.691	12.778	0.866	0.945
670	2499.0	1.5021	25.729	3.959	0.691	12.754	0.865	0.946
671	2500.7	1.5031	25.701	3.957	0.691	12.730	0.865	0.946
672	2502.4	1.5040	25.674	3.955	0.691	12.706	0.865	0.946
673	2504.0	1.5050	25.636	3.953	0.691	12.683	0.865	0.946
674	2505.7	1.5060	25.596	3.951	0.692	12.658	0.865	0.946
675	2507.4	1.5069	25.613	3.949	0.692	12.661	0.865	0.946

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
676	2509.1	1.5079	25.625	3.947	0.692	12.667	0.865	0.946
677	2510.8	1.5089	25.612	3.945	0.692	12.658	0.865	0.946
678	2512.5	1.5098	25.578	3.943	0.692	12.631	0.865	0.946
679	2514.2	1.5108	25.530	3.941	0.692	12.593	0.864	0.946
680	2515.9	1.5118	25.481	3.939	0.693	12.551	0.864	0.947
681	2517.6	1.5127	25.434	3.937	0.693	12.511	0.864	0.947
682	2519.3	1.5137	25.392	3.935	0.693	12.474	0.864	0.947
683	2521.0	1.5147	25.354	3.934	0.693	12.441	0.864	0.947
684	2522.7	1.5156	25.319	3.932	0.693	12.410	0.864	0.947
685	2524.4	1.5166	25.287	3.930	0.693	12.382	0.863	0.947
686	2526.1	1.5175	25.256	3.928	0.694	12.356	0.863	0.947
687	2527.8	1.5185	25.227	3.926	0.694	12.330	0.863	0.947
688	2529.4	1.5195	25.198	3.924	0.694	12.306	0.863	0.947
689	2531.1	1.5204	25.171	3.922	0.694	12.282	0.862	0.946
690	2532.7	1.5214	25.144	3.920	0.694	12.259	0.862	0.946
691	2534.4	1.5223	25.118	3.918	0.694	12.236	0.862	0.946
692	2536.1	1.5232	25.092	3.916	0.695	12.214	0.861	0.946
693	2537.7	1.5242	25.067	3.915	0.695	12.193	0.861	0.946
694	2539.3	1.5251	25.029	3.913	0.695	12.169	0.861	0.946
695	2541.0	1.5261	24.988	3.911	0.695	12.139	0.861	0.946
696	2542.6	1.5270	24.993	3.909	0.695	12.136	0.860	0.946
697	2544.3	1.5279	25.007	3.907	0.695	12.143	0.860	0.946
698	2545.9	1.5289	25.002	3.905	0.696	12.139	0.860	0.946
699	2547.5	1.5298	24.978	3.904	0.696	12.121	0.859	0.946
700	2549.1	1.5307	24.941	3.902	0.696	12.091	0.859	0.946
701	2550.8	1.5317	24.900	3.900	0.696	12.057	0.859	0.946
702	2552.4	1.5326	24.858	3.898	0.696	12.022	0.858	0.946
703	2554.0	1.5335	24.817	3.896	0.696	11.988	0.858	0.946
704	2555.6	1.5344	24.780	3.895	0.696	11.956	0.858	0.946
705	2557.1	1.5353	24.746	3.893	0.697	11.926	0.857	0.946
706	2558.7	1.5362	24.715	3.891	0.697	11.899	0.857	0.946
707	2560.3	1.5372	24.686	3.889	0.697	11.874	0.856	0.946
708	2561.9	1.5381	24.658	3.887	0.697	11.850	0.856	0.946
709	2563.5	1.5390	24.631	3.886	0.697	11.827	0.856	0.946
710	2565.1	1.5399	24.605	3.884	0.697	11.805	0.855	0.946
711	2566.7	1.5408	24.579	3.882	0.697	11.784	0.855	0.946
712	2568.2	1.5417	24.555	3.880	0.698	11.763	0.854	0.946
713	2569.8	1.5426	24.530	3.879	0.698	11.742	0.854	0.946
714	2571.4	1.5435	24.506	3.877	0.698	11.722	0.854	0.946
715	2573.0	1.5444	24.483	3.875	0.698	11.702	0.853	0.946
716	2574.5	1.5453	24.447	3.873	0.698	11.678	0.853	0.946
717	2576.1	1.5462	24.414	3.872	0.698	11.652	0.853	0.946
718	2577.7	1.5471	24.406	3.870	0.698	11.640	0.852	0.946
719	2579.2	1.5480	24.408	3.868	0.699	11.638	0.852	0.946
720	2580.8	1.5489	24.404	3.866	0.699	11.634	0.851	0.946

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
721	2582.4	1.5498	24.389	3.865	0.699	11.622	0.851	0.946
722	2583.9	1.5507	24.363	3.863	0.699	11.602	0.851	0.946
723	2585.5	1.5516	24.331	3.861	0.699	11.576	0.850	0.946
724	2587.0	1.5525	24.294	3.860	0.699	11.546	0.850	0.947
725	2588.6	1.5534	24.258	3.858	0.699	11.515	0.849	0.947
726	2591.4	1.5551	23.948	3.855	0.700	11.228	0.849	0.947
727	2594.8	1.5571	23.835	3.851	0.700	11.104	0.848	0.947
728	2598.3	1.5591	23.844	3.847	0.700	11.075	0.847	0.948
729	2601.8	1.5611	23.869	3.843	0.701	11.082	0.846	0.948
730	2605.2	1.5631	23.873	3.839	0.701	11.087	0.845	0.949
731	2608.7	1.5651	23.848	3.836	0.701	11.074	0.844	0.950
732	2612.2	1.5671	23.803	3.832	0.701	11.042	0.842	0.950
733	2615.7	1.5692	23.750	3.828	0.702	11.002	0.841	0.951
734	2619.1	1.5712	23.696	3.824	0.702	10.959	0.840	0.952
735	2622.6	1.5732	23.645	3.821	0.702	10.919	0.839	0.953
736	2626.1	1.5752	23.597	3.817	0.703	10.880	0.838	0.954
737	2629.6	1.5773	23.552	3.813	0.703	10.843	0.837	0.956
738	2633.1	1.5793	23.507	3.809	0.703	10.808	0.836	0.957
739	2636.6	1.5814	23.464	3.806	0.703	10.773	0.835	0.959
740	2640.1	1.5834	23.417	3.802	0.704	10.738	0.833	0.960
741	2643.6	1.5854	23.365	3.798	0.704	10.697	0.832	0.962
742	2647.1	1.5875	23.311	3.794	0.704	10.654	0.831	0.964
743	2650.7	1.5895	23.259	3.791	0.704	10.613	0.830	0.965
744	2654.2	1.5916	23.206	3.787	0.705	10.573	0.829	0.967
745	2657.7	1.5937	23.145	3.783	0.705	10.537	0.827	0.969
746	2661.2	1.5957	23.152	3.779	0.705	10.532	0.826	0.970
747	2664.8	1.5978	23.155	3.776	0.706	10.530	0.825	0.972
748	2668.3	1.5999	23.131	3.772	0.706	10.512	0.824	0.973
749	2671.8	1.6019	23.087	3.768	0.706	10.479	0.822	0.975
750	2675.4	1.6040	23.028	3.765	0.706	10.434	0.821	0.976
751	2678.9	1.6061	22.960	3.761	0.707	10.383	0.820	0.978
752	2682.4	1.6082	22.893	3.757	0.707	10.330	0.818	0.979
753	2686.0	1.6103	22.829	3.754	0.707	10.279	0.817	0.981
754	2689.5	1.6123	22.770	3.750	0.707	10.232	0.816	0.982
755	2693.1	1.6144	22.715	3.746	0.708	10.188	0.814	0.983
756	2696.7	1.6165	22.663	3.743	0.708	10.147	0.813	0.984
757	2700.2	1.6186	22.615	3.739	0.708	10.108	0.812	0.985
758	2703.8	1.6207	22.564	3.735	0.708	10.073	0.810	0.987
759	2707.4	1.6228	22.529	3.732	0.708	10.043	0.809	0.988
760	2710.9	1.6249	22.505	3.728	0.709	10.020	0.807	0.989
761	2714.5	1.6271	22.476	3.724	0.709	9.995	0.806	0.990
762	2718.1	1.6292	22.436	3.721	0.709	9.964	0.804	0.991
763	2721.7	1.6313	22.385	3.717	0.710	9.925	0.803	0.992
764	2725.2	1.6334	22.327	3.714	0.710	9.881	0.802	0.993
765	2728.8	1.6355	22.267	3.710	0.710	9.835	0.800	0.994

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
766	2732.4	1.6377	22.208	3.706	0.711	9.789	0.799	0.995
767	2736.0	1.6398	22.150	3.703	0.711	9.744	0.797	0.995
768	2739.6	1.6419	22.092	3.699	0.711	9.699	0.796	0.996
769	2743.2	1.6441	22.034	3.696	0.711	9.654	0.794	0.997
770	2746.8	1.6462	21.976	3.692	0.712	9.609	0.793	0.998
771	2750.4	1.6484	21.921	3.688	0.712	9.566	0.791	0.999
772	2754.0	1.6505	21.862	3.685	0.712	9.524	0.790	0.999
773	2757.7	1.6527	21.823	3.681	0.713	9.491	0.788	1.000
774	2761.3	1.6548	21.804	3.678	0.713	9.472	0.787	1.001
775	2764.9	1.6570	21.786	3.674	0.713	9.456	0.785	1.002
776	2768.5	1.6591	21.759	3.670	0.714	9.435	0.784	1.002
777	2772.2	1.6613	21.717	3.667	0.714	9.404	0.782	1.003
778	2775.8	1.6635	21.663	3.663	0.714	9.364	0.781	1.004
779	2779.4	1.6656	21.601	3.660	0.714	9.318	0.779	1.004
780	2783.1	1.6678	21.537	3.656	0.715	9.269	0.777	1.005
781	2786.7	1.6700	21.474	3.653	0.715	9.221	0.776	1.006
782	2790.4	1.6722	21.415	3.649	0.715	9.175	0.774	1.007
783	2794.0	1.6743	21.359	3.646	0.716	9.132	0.773	1.007
784	2797.6	1.6765	21.307	3.642	0.716	9.092	0.771	1.008
785	2801.3	1.6787	21.255	3.638	0.716	9.054	0.770	1.008
786	2805.0	1.6809	21.208	3.635	0.717	9.018	0.768	1.009
787	2808.6	1.6831	21.176	3.631	0.717	8.990	0.767	1.010
788	2812.3	1.6853	21.152	3.628	0.717	8.970	0.765	1.010
789	2816.0	1.6875	21.125	3.624	0.717	8.949	0.764	1.011
790	2819.6	1.6897	21.091	3.621	0.718	8.923	0.762	1.012
791	2823.3	1.6919	21.046	3.617	0.718	8.890	0.761	1.012
792	2827.0	1.6941	20.994	3.614	0.718	8.852	0.759	1.013
793	2830.7	1.6964	20.938	3.610	0.719	8.810	0.758	1.014
794	2834.3	1.6986	20.880	3.607	0.719	8.767	0.756	1.015
795	2838.0	1.7008	20.822	3.603	0.719	8.723	0.755	1.015
796	2841.7	1.7030	20.764	3.600	0.719	8.679	0.753	1.016
797	2845.4	1.7053	20.707	3.597	0.720	8.636	0.752	1.017
798	2849.1	1.7075	20.651	3.593	0.720	8.595	0.750	1.017
799	2852.8	1.7097	20.597	3.590	0.720	8.555	0.749	1.018
800	2856.5	1.7120	20.552	3.586	0.721	8.520	0.747	1.019
801	2860.2	1.7142	20.521	3.583	0.721	8.494	0.746	1.020
802	2863.9	1.7165	20.499	3.579	0.721	8.476	0.744	1.021
803	2867.7	1.7187	20.476	3.576	0.721	8.458	0.743	1.021
804	2871.4	1.7210	20.446	3.572	0.722	8.436	0.741	1.022
805	2875.1	1.7232	20.405	3.569	0.722	8.407	0.740	1.023
806	2878.8	1.7255	20.355	3.566	0.722	8.371	0.738	1.024
807	2882.6	1.7278	20.299	3.562	0.722	8.330	0.737	1.025
808	2886.3	1.7300	20.240	3.559	0.723	8.287	0.735	1.026
809	2890.0	1.7323	20.182	3.555	0.723	8.244	0.734	1.027
810	2893.8	1.7346	20.126	3.552	0.723	8.202	0.732	1.028

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
811	2897.5	1 7368	20.073	3.548	0.724	8.163	0.731	1.029
812	2901.2	1.7391	20.022	3.545	0.724	8.125	0.729	1.030
813	2905.0	1.7414	19.973	3.541	0.724	8.089	0.728	1.031
814	2908.7	1.7437	19.930	3.538	0.724	8.057	0.726	1.032
815	2912.5	1.7460	19.898	3.535	0.725	8.032	0.725	1.033
816	2916.3	1.7483	19.871	3.531	0.725	8.011	0.723	1.034
817	2920.0	1.7506	19.845	3.528	0.725	7.992	0.722	1.035
818	2923.8	1.7529	19.815	3.524	0.726	7.969	0.720	1.036
819	2927.6	1.7552	19.777	3.521	0.726	7.942	0.719	1.038
820	2931.3	1.7575	19.732	3.518	0.726	7.910	0.717	1.039
821	2935.1	1.7598	19.682	3.514	0.726	7.875	0.716	1.040
822	2938.9	1.7621	19.629	3.511	0.727	7.837	0.714	1.041
823	2942.7	1.7644	19.574	3.507	0.727	7.797	0.713	1.043
824	2946.5	1.7668	19.518	3.504	0.727	7.757	0.711	1.044
825	2950.2	1.7691	19.464	3.500	0.728	7.718	0.710	1.045
826	2953.5	1.7711	19.414	3.497	0.728	7.683	0.709	1.047
827	2957.5	1.7736	19.361	3.494	0.728	7.643	0.707	1.048
828	2961.5	1.7760	19.315	3.490	0.728	7.609	0.705	1.050
829	2965.5	1.7785	19.275	3.487	0.729	7.579	0.704	1.051
830	2969.6	1.7810	19.236	3.483	0.729	7.551	0.702	1.053
831	2973.6	1.7834	19.194	3.480	0.729	7.521	0.701	1.054
832	2977.6	1.7859	19.148	3.476	0.729	7.488	0.699	1.056
833	2981.6	1.7884	19.098	3.472	0.730	7.453	0.697	1.058
834	2985.7	1.7909	19.046	3.469	0.730	7.417	0.696	1.060
835	2989.7	1.7934	18.994	3.465	0.730	7.379	0.694	1.061
836	2993.8	1.7959	18.942	3.462	0.731	7.343	0.693	1.063
837	2997.8	1.7984	18.892	3.458	0.731	7.307	0.691	1.065
838	3001.9	1.8009	18.844	3.455	0.731	7.274	0.689	1.067
839	3005.9	1.8034	18.803	3.451	0.732	7.244	0.688	1.068
840	3010.0	1.8060	18.771	3.448	0.732	7.220	0.686	1.070
841	3014.1	1.8085	18.746	3.444	0.732	7.201	0.684	1.072
842	3018.2	1.8110	18.725	3.441	0.732	7.186	0.683	1.074
843	3022.3	1.8136	18.704	3.437	0.733	7.171	0.681	1.076
844	3026.4	1.8161	18.680	3.434	0.733	7.154	0.679	1.078
845	3030.5	1.8187	18.649	3.430	0.733	7.133	0.678	1.080
846	3034.6	1.8212	18.612	3.426	0.734	7.107	0.676	1.081
847	3038.7	1.8238	18.569	3.423	0.734	7.077	0.675	1.083
848	3042.8	1.8263	18.520	3.419	0.734	7.044	0.673	1.085
849	3047.0	1.8289	18.469	3.416	0.734	7.009	0.671	1.086
850	3051.1	1.8315	18.416	3.412	0.735	6.973	0.670	1.087
851	3055.3	1.8341	18.364	3.409	0.735	6.936	0.668	1.089
852	3059.4	1.8367	18.312	3.405	0.735	6.901	0.666	1.090
853	3063.6	1.8393	18.262	3.402	0.736	6.866	0.665	1.091
854	3067.7	1.8419	18.214	3.398	0.736	6.833	0.663	1.092
855	3071.9	1.8445	18.167	3.394	0.736	6.800	0.661	1.093

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
856	3076.1	1.8471	18.122	3.391	0.737	6.770	0.660	1.093
857	3080.2	1.8497	18.082	3.387	0.737	6.742	0.658	1.094
858	3084.4	1.8523	18.048	3.384	0.737	6.718	0.656	1.095
859	3088.6	1.8549	18.020	3.380	0.738	6.698	0.655	1.095
860	3092.8	1.8576	17.995	3.377	0.738	6.681	0.653	1.095
861	3097.0	1.8602	17.971	3.373	0.738	6.664	0.652	1.096
862	3101.2	1.8628	17.944	3.370	0.739	6.645	0.650	1.096
863	3105.5	1.8655	17.913	3.366	0.739	6.624	0.648	1.096
864	3109.7	1.8681	17.876	3.363	0.739	6.600	0.647	1.097
865	3113.9	1.8708	17.834	3.359	0.740	6.572	0.645	1.097
866	3118.2	1.8734	17.788	3.356	0.740	6.541	0.643	1.097
867	3122.4	1.8761	17.740	3.352	0.740	6.509	0.642	1.097
868	3126.6	1.8788	17.690	3.349	0.741	6.475	0.640	1.097
869	3130.9	1.8815	17.640	3.345	0.741	6.442	0.638	1.097
870	3135.2	1.8841	17.591	3.342	0.741	6.409	0.637	1.097
871	3139.4	1.8868	17.543	3.338	0.742	6.377	0.635	1.097
872	3143.7	1.8895	17.498	3.335	0.742	6.347	0.634	1.096
873	3148.0	1.8922	17.459	3.331	0.742	6.320	0.632	1.096
874	3152.3	1.8949	17.425	3.328	0.743	6.297	0.630	1.096
875	3156.6	1.8976	17.396	3.324	0.743	6.277	0.629	1.096
876	3160.9	1.9004	17.370	3.321	0.743	6.259	0.627	1.096
877	3165.2	1.9031	17.344	3.317	0.744	6.242	0.625	1.096
878	3169.5	1.9058	17.316	3.313	0.744	6.223	0.624	1.096
879	3173.8	1.9085	17.285	3.310	0.744	6.202	0.622	1.096
880	3178.1	1.9113	17.248	3.306	0.745	6.178	0.621	1.096
881	3182.5	1.9140	17.208	3.303	0.745	6.152	0.619	1.096
882	3186.8	1.9168	17.163	3.299	0.745	6.123	0.617	1.096
883	3191.1	1.9195	17.117	3.296	0.746	6.092	0.616	1.096
884	3195.5	1.9223	17.068	3.292	0.746	6.061	0.614	1.096
885	3199.8	1.9251	17.020	3.289	0.746	6.029	0.613	1.097
886	3204.2	1.9278	16.971	3.285	0.747	5.998	0.611	1.097
887	3208.6	1.9306	16.924	3.282	0.747	5.967	0.609	1.097
888	3212.9	1.9334	16.880	3.278	0.747	5.938	0.608	1.098
889	3217.3	1.9362	16.839	3.275	0.748	5.911	0.606	1.099
890	3221.7	1.9390	16.802	3.271	0.748	5.887	0.605	1.099
891	3226.1	1.9418	16.770	3.268	0.748	5.866	0.603	1.100
892	3230.5	1.9446	16.740	3.264	0.749	5.846	0.601	1.101
893	3234.9	1.9474	16.712	3.261	0.749	5.828	0.600	1.103
894	3239.3	1.9502	16.683	3.257	0.749	5.809	0.598	1.104
895	3243.7	1.9530	16.652	3.254	0.750	5.789	0.597	1.106
896	3248.2	1.9559	16.618	3.250	0.750	5.767	0.595	1.107
897	3252.6	1.9587	16.580	3.247	0.750	5.743	0.594	1.109
898	3257.0	1.9615	16.539	3.243	0.751	5.717	0.592	1.111
899	3261.5	1.9644	16.495	3.240	0.751	5.689	0.590	1.113
900	3265.9	1.9672	16.450	3.236	0.752	5.660	0.589	1.114

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
901	3270.4	1.9701	16.404	3.233	0.752	5.631	0.587	1.116
902	3274.9	1.9729	16.358	3.229	0.752	5.602	0.586	1.117
903	3279.3	1.9758	16.314	3.226	0.753	5.574	0.584	1.118
904	3283.8	1.9787	16.272	3.222	0.753	5.548	0.583	1.119
905	3288.3	1.9816	16.235	3.219	0.753	5.524	0.581	1.120
906	3292.8	1.9845	16.201	3.215	0.754	5.502	0.580	1.120
907	3297.3	1.9873	16.170	3.212	0.754	5.482	0.578	1.120
908	3301.8	1.9902	16.141	3.208	0.754	5.464	0.577	1.121
909	3306.3	1.9931	16.112	3.205	0.755	5.445	0.575	1.121
910	3310.8	1.9960	16.082	3.201	0.755	5.426	0.574	1.120
911	3315.3	1.9990	16.050	3.197	0.756	5.406	0.572	1.120
912	3319.8	2.0019	16.014	3.194	0.756	5.384	0.571	1.120
913	3324.4	2.0048	15.976	3.190	0.756	5.361	0.569	1.119
914	3328.9	2.0077	15.935	3.187	0.757	5.335	0.568	1.119
915	3333.5	2.0107	15.893	3.183	0.757	5.309	0.566	1.119
916	3338.0	2.0136	15.849	3.180	0.757	5.282	0.565	1.118
917	3342.6	2.0166	15.805	3.176	0.758	5.255	0.564	1.117
918	3347.1	2.0195	15.762	3.173	0.758	5.228	0.562	1.117
919	3351.7	2.0225	15.720	3.169	0.759	5.202	0.561	1.116
920	3356.3	2.0254	15.681	3.166	0.759	5.178	0.559	1.115
921	3360.9	2.0284	15.645	3.162	0.759	5.156	0.558	1.115
922	3365.5	2.0314	15.612	3.159	0.760	5.136	0.557	1.114
923	3370.0	2.0344	15.581	3.155	0.760	5.117	0.556	1.113
924	3374.7	2.0374	15.552	3.152	0.760	5.098	0.554	1.113
925	3379.3	2.0403	15.522	3.148	0.761	5.080	0.553	1.112
926	3385.2	2.0442	15.338	3.143	0.761	4.936	0.551	1.112
927	3394.6	2.0503	15.248	3.136	0.762	4.888	0.548	1.111
928	3404.0	2.0565	15.137	3.128	0.763	4.829	0.546	1.111
929	3413.4	2.0626	15.046	3.121	0.763	4.769	0.543	1.111
930	3422.8	2.0688	14.966	3.114	0.764	4.716	0.540	1.112
931	3432.3	2.0750	14.900	3.107	0.765	4.673	0.537	1.115
932	3441.8	2.0812	14.843	3.100	0.766	4.636	0.534	1.118
933	3451.3	2.0875	14.792	3.093	0.766	4.604	0.530	1.121
934	3460.8	2.0938	14.743	3.086	0.767	4.574	0.527	1.124
935	3470.4	2.1001	14.695	3.079	0.768	4.546	0.524	1.125
936	3480.0	2.1064	14.646	3.072	0.769	4.517	0.522	1.125
937	3489.7	2.1128	14.593	3.065	0.769	4.487	0.519	1.125
938	3499.3	2.1191	14.537	3.058	0.770	4.456	0.516	1.124
939	3509.0	2.1255	14.477	3.051	0.771	4.423	0.513	1.122
940	3518.7	2.1320	14.414	3.044	0.772	4.388	0.510	1.121
941	3528.5	2.1384	14.349	3.037	0.773	4.352	0.507	1.119
942	3538.2	2.1449	14.282	3.030	0.773	4.316	0.504	1.117
943	3548.0	2.1514	14.213	3.023	0.774	4.278	0.501	1.115
944	3557.9	2.1579	14.144	3.016	0.775	4.240	0.499	1.114
945	3567.7	2.1645	14.075	3.009	0.776	4.202	0.496	1.112

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
946	3577.6	2.1710	14.006	3.002	0.776	4.165	0.493	1.112
947	3587.5	2.1776	13.938	2.995	0.777	4.128	0.490	1.111
948	3597.5	2.1843	13.871	2.988	0.778	4.091	0.488	1.112
949	3607.4	2.1909	13.806	2.981	0.779	4.055	0.485	1.114
950	3617.4	2.1976	13.739	2.974	0.780	4.020	0.482	1.117
951	3627.4	2.2043	13.674	2.967	0.780	3.986	0.480	1.120
952	3637.5	2.2110	13.612	2.960	0.781	3.952	0.477	1.122
953	3647.6	2.2178	13.552	2.953	0.782	3.920	0.474	1.123
954	3657.7	2.2245	13.495	2.946	0.783	3.888	0.471	1.123
955	3667.8	2.2313	13.440	2.939	0.784	3.858	0.469	1.122
956	3678.0	2.2382	13.386	2.932	0.784	3.829	0.466	1.121
957	3688.2	2.2450	13.332	2.926	0.785	3.800	0.464	1.119
958	3698.4	2.2519	13.278	2.919	0.786	3.771	0.461	1.117
959	3708.6	2.2588	13.224	2.912	0.787	3.742	0.458	1.115
960	3718.9	2.2658	13.168	2.905	0.788	3.713	0.456	1.113
961	3729.2	2.2727	13.112	2.898	0.789	3.684	0.453	1.111
962	3739.6	2.2797	13.055	2.891	0.789	3.654	0.451	1.110
963	3749.9	2.2867	12.996	2.885	0.790	3.624	0.448	1.109
964	3760.3	2.2938	12.937	2.878	0.791	3.594	0.446	1.108
965	3770.8	2.3008	12.878	2.871	0.792	3.563	0.443	1.109
966	3781.2	2.3079	12.820	2.864	0.793	3.533	0.441	1.111
967	3791.7	2.3150	12.764	2.858	0.794	3.504	0.438	1.114
968	3802.2	2.3222	12.709	2.851	0.794	3.476	0.436	1.117
969	3812.8	2.3294	12.656	2.844	0.795	3.448	0.433	1.119
970	3823.3	2.3366	12.604	2.837	0.796	3.421	0.431	1.120
971	3834.0	2.3438	12.553	2.831	0.797	3.395	0.428	1.120
972	3844.6	2.3511	12.502	2.824	0.798	3.369	0.426	1.119
973	3855.3	2.3583	12.452	2.817	0.798	3.343	0.423	1.118
974	3866.0	2.3657	12.401	2.811	0.799	3.318	0.421	1.116
975	3876.7	2.3730	12.348	2.804	0.800	3.292	0.419	1.114
976	3887.5	2.3804	12.295	2.797	0.801	3.265	0.416	1.112
977	3898.3	2.3878	12.240	2.791	0.802	3.238	0.414	1.110
978	3909.1	2.3952	12.184	2.784	0.803	3.211	0.412	1.108
979	3919.9	2.4026	12.127	2.777	0.804	3.183	0.409	1.107
980	3930.8	2.4101	12.069	2.771	0.805	3.154	0.407	1.106
981	3941.7	2.4176	12.010	2.764	0.806	3.126	0.405	1.106
982	3952.7	2.4251	11.952	2.758	0.806	3.098	0.402	1.107
983	3963.7	2.4327	11.894	2.751	0.807	3.070	0.400	1.109
984	3974.7	2.4403	11.837	2.744	0.808	3.042	0.398	1.112
985	3985.7	2.4479	11.781	2.738	0.809	3.015	0.395	1.115
986	3996.8	2.4556	11.726	2.731	0.810	2.988	0.393	1.117
987	4007.9	2.4632	11.673	2.725	0.811	2.963	0.391	1.118
988	4019.0	2.4709	11.620	2.718	0.812	2.937	0.388	1.118
989	4030.1	2.4787	11.569	2.712	0.813	2.913	0.386	1.118
990	4041.3	2.4864	11.518	2.705	0.813	2.888	0.384	1.116

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
991	4052.5	2.4942	11.467	2.699	0.814	2.864	0.382	1.115
992	4063.8	2.5020	11.416	2.692	0.815	2.840	0.379	1.113
993	4075.1	2.5099	11.365	2.686	0.816	2.817	0.377	1.111
994	4086.4	2.5178	11.314	2.679	0.817	2.793	0.375	1.109
995	4097.7	2.5257	11.262	2.673	0.818	2.768	0.373	1.108
996	4109.1	2.5336	11.209	2.666	0.819	2.744	0.371	1.106
997	4120.5	2.5416	11.157	2.660	0.820	2.720	0.369	1.105
998	4132.0	2.5496	11.104	2.654	0.821	2.696	0.366	1.105
999	4143.4	2.5576	11.052	2.647	0.822	2.672	0.364	1.106
1000	4154.9	2.5656	11.001	2.641	0.822	2.649	0.362	1.108
1001	4166.5	2.5737	10.950	2.634	0.823	2.626	0.360	1.111
1002	4178.0	2.5818	10.900	2.628	0.824	2.603	0.358	1.114
1003	4189.6	2.5900	10.851	2.622	0.825	2.581	0.356	1.117
1004	4201.3	2.5981	10.802	2.615	0.826	2.559	0.354	1.119
1005	4212.9	2.6063	10.754	2.609	0.827	2.537	0.351	1.119
1006	4224.6	2.6145	10.706	2.603	0.828	2.516	0.349	1.119
1007	4236.4	2.6228	10.659	2.596	0.829	2.494	0.347	1.118
1008	4248.1	2.6311	10.611	2.590	0.830	2.473	0.345	1.117
1009	4259.9	2.6394	10.563	2.584	0.831	2.452	0.343	1.115
1010	4271.7	2.6478	10.515	2.577	0.832	2.431	0.341	1.113
1011	4283.6	2.6561	10.466	2.571	0.833	2.410	0.339	1.111
1012	4295.5	2.6646	10.417	2.565	0.834	2.389	0.337	1.110
1013	4307.4	2.6730	10.369	2.559	0.834	2.368	0.335	1.108
1014	4319.4	2.6815	10.320	2.552	0.835	2.347	0.333	1.107
1015	4331.4	2.6900	10.272	2.546	0.836	2.326	0.331	1.107
1016	4343.4	2.6985	10.224	2.540	0.837	2.305	0.329	1.107
1017	4355.4	2.7071	10.177	2.534	0.838	2.285	0.327	1.109
1018	4367.5	2.7156	10.130	2.528	0.839	2.265	0.325	1.111
1019	4379.6	2.7242	10.084	2.521	0.840	2.245	0.323	1.114
1020	4391.7	2.7329	10.038	2.515	0.841	2.226	0.321	1.118
1021	4403.9	2.7415	9.993	2.509	0.842	2.207	0.319	1.120
1022	4416.0	2.7502	9.948	2.503	0.843	2.188	0.317	1.121
1023	4428.2	2.7589	9.903	2.497	0.844	2.169	0.315	1.122
1024	4440.5	2.7677	9.858	2.491	0.845	2.151	0.314	1.122
1025	4452.7	2.7764	9.813	2.485	0.846	2.132	0.312	1.121
1026	4465.0	2.7852	9.768	2.479	0.847	2.113	0.310	1.119
1027	4477.3	2.7940	9.723	2.473	0.848	2.095	0.308	1.118
1028	4489.6	2.8028	9.678	2.467	0.849	2.077	0.306	1.116
1029	4502.0	2.8117	9.634	2.460	0.850	2.059	0.304	1.114
1030	4514.4	2.8206	9.590	2.454	0.850	2.041	0.302	1.113
1031	4526.8	2.8295	9.546	2.448	0.851	2.023	0.300	1.111
1032	4539.2	2.8384	9.502	2.443	0.852	2.005	0.299	1.110
1033	4551.6	2.8474	9.459	2.437	0.853	1.988	0.297	1.110
1034	4564.1	2.8564	9.416	2.431	0.854	1.970	0.295	1.111
1035	4576.6	2.8654	9.373	2.425	0.855	1.953	0.293	1.112

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1036	4589.2	2.8745	9.331	2.419	0.856	1.937	0.292	1.115
1037	4601.7	2.8835	9.288	2.413	0.857	1.920	0.290	1.118
1038	4614.3	2.8926	9.247	2.407	0.858	1.903	0.288	1.121
1039	4626.9	2.9017	9.205	2.401	0.859	1.887	0.286	1.124
1040	4639.6	2.9109	9.163	2.395	0.860	1.871	0.285	1.126
1041	4652.2	2.9201	9.122	2.389	0.861	1.855	0.283	1.126
1042	4664.9	2.9293	9.080	2.383	0.862	1.839	0.281	1.126
1043	4677.6	2.9385	9.039	2.378	0.863	1.823	0.279	1.126
1044	4690.4	2.9477	8.998	2.372	0.864	1.807	0.278	1.125
1045	4703.1	2.9570	8.957	2.366	0.865	1.791	0.276	1.123
1046	4715.9	2.9663	8.917	2.360	0.866	1.776	0.274	1.122
1047	4728.8	2.9757	8.876	2.355	0.867	1.760	0.273	1.120
1048	4741.6	2.9850	8.836	2.349	0.868	1.745	0.271	1.118
1049	4754.5	2.9944	8.797	2.343	0.869	1.730	0.269	1.117
1050	4767.4	3.0038	8.757	2.337	0.870	1.715	0.268	1.116
1051	4780.3	3.0133	8.718	2.332	0.871	1.701	0.266	1.116
1052	4793.3	3.0227	8.679	2.326	0.872	1.686	0.265	1.116
1053	4806.3	3.0322	8.640	2.320	0.873	1.672	0.263	1.117
1054	4819.3	3.0417	8.602	2.315	0.874	1.657	0.261	1.119
1055	4832.3	3.0513	8.563	2.309	0.875	1.643	0.260	1.122
1056	4845.4	3.0609	8.525	2.303	0.875	1.629	0.258	1.125
1057	4858.5	3.0705	8.487	2.298	0.876	1.615	0.257	1.128
1058	4871.6	3.0801	8.449	2.292	0.877	1.601	0.255	1.130
1059	4884.8	3.0897	8.411	2.286	0.878	1.588	0.253	1.132
1060	4897.9	3.0994	8.373	2.281	0.879	1.574	0.252	1.133
1061	4911.1	3.1091	8.336	2.275	0.880	1.561	0.250	1.133
1062	4924.4	3.1189	8.299	2.270	0.881	1.547	0.249	1.132
1063	4937.6	3.1286	8.261	2.264	0.882	1.534	0.247	1.131
1064	4950.9	3.1384	8.225	2.259	0.883	1.521	0.246	1.130
1065	4964.2	3.1482	8.188	2.253	0.884	1.508	0.244	1.128
1066	4977.6	3.1581	8.151	2.248	0.885	1.495	0.243	1.127
1067	4990.9	3.1680	8.115	2.242	0.886	1.482	0.241	1.125
1068	5004.3	3.1779	8.079	2.237	0.887	1.470	0.240	1.124
1069	5017.8	3.1878	8.043	2.231	0.888	1.457	0.239	1.123
1070	5031.2	3.1977	8.007	2.226	0.889	1.445	0.237	1.123
1071	5044.7	3.2077	7.972	2.220	0.890	1.432	0.236	1.123
1072	5058.2	3.2177	7.937	2.215	0.891	1.420	0.234	1.124
1073	5071.7	3.2278	7.901	2.209	0.892	1.408	0.233	1.126
1074	5085.3	3.2378	7.866	2.204	0.893	1.396	0.231	1.129
1075	5098.9	3.2479	7.832	2.198	0.894	1.384	0.230	1.132
1076	5110.6	3.2567	7.802	2.194	0.895	1.374	0.229	1.134
1077	5124.3	3.2668	7.767	2.189	0.896	1.362	0.227	1.137
1078	5137.9	3.2770	7.733	2.183	0.897	1.351	0.226	1.139
1079	5151.6	3.2872	7.699	2.178	0.898	1.339	0.225	1.141
1080	5165.4	3.2974	7.665	2.173	0.899	1.328	0.223	1.141

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1081	5179.1	3.3077	7.631	2.167	0.900	1.317	0.222	1.141
1082	5192.9	3.3180	7.597	2.162	0.901	1.305	0.221	1.141
1083	5206.8	3.3283	7.564	2.157	0.902	1.294	0.219	1.140
1084	5220.6	3.3386	7.530	2.151	0.903	1.283	0.218	1.138
1085	5234.5	3.3490	7.497	2.146	0.904	1.272	0.216	1.137
1086	5248.4	3.3594	7.464	2.141	0.904	1.262	0.215	1.135
1087	5262.3	3.3699	7.431	2.136	0.905	1.251	0.214	1.134
1088	5276.3	3.3803	7.398	2.130	0.906	1.240	0.213	1.133
1089	5290.3	3.3908	7.366	2.125	0.907	1.230	0.211	1.132
1090	5304.3	3.4013	7.334	2.120	0.908	1.220	0.210	1.132
1091	5318.4	3.4119	7.301	2.115	0.909	1.209	0.209	1.132
1092	5332.4	3.4224	7.269	2.109	0.910	1.199	0.207	1.133
1093	5346.5	3.4331	7.237	2.104	0.911	1.189	0.206	1.135
1094	5360.7	3.4437	7.206	2.099	0.912	1.179	0.205	1.138
1095	5374.9	3.4544	7.174	2.094	0.913	1.169	0.204	1.141
1096	5389.1	3.4650	7.143	2.089	0.914	1.159	0.202	1.144
1097	5403.3	3.4758	7.112	2.084	0.915	1.149	0.201	1.147
1098	5417.5	3.4865	7.081	2.079	0.916	1.140	0.200	1.149
1099	5431.8	3.4973	7.050	2.073	0.917	1.130	0.199	1.151
1100	5446.1	3.5081	7.019	2.068	0.919	1.121	0.198	1.151
1101	5460.5	3.5190	6.989	2.063	0.920	1.111	0.196	1.151
1102	5474.9	3.5298	6.958	2.058	0.921	1.102	0.195	1.150
1103	5489.3	3.5407	6.928	2.053	0.922	1.093	0.194	1.149
1104	5503.7	3.5517	6.898	2.048	0.924	1.083	0.193	1.148
1105	5518.2	3.5626	6.868	2.043	0.925	1.074	0.192	1.146
1106	5532.7	3.5736	6.838	2.038	0.926	1.065	0.190	1.145
1107	5547.2	3.5846	6.808	2.033	0.928	1.056	0.189	1.144
1108	5561.8	3.5957	6.779	2.028	0.929	1.048	0.188	1.142
1109	5576.4	3.6067	6.750	2.023	0.931	1.039	0.187	1.142
1110	5591.0	3.6179	6.720	2.018	0.932	1.030	0.186	1.142
1111	5605.7	3.6290	6.691	2.014	0.934	1.022	0.185	1.142
1112	5620.3	3.6402	6.662	2.009	0.935	1.013	0.184	1.143
1113	5635.0	3.6514	6.633	2.004	0.937	1.005	0.182	1.145
1114	5649.8	3.6626	6.605	1.999	0.938	0.996	0.181	1.148
1115	5664.6	3.6738	6.576	1.994	0.940	0.988	0.180	1.151
1116	5679.4	3.6851	6.548	1.990	0.941	0.980	0.179	1.154
1117	5694.2	3.6965	6.519	1.985	0.943	0.971	0.178	1.157
1118	5709.1	3.7078	6.491	1.980	0.944	0.963	0.177	1.159
1119	5724.0	3.7192	6.463	1.976	0.946	0.955	0.176	1.161
1120	5738.9	3.7306	6.435	1.971	0.947	0.947	0.175	1.163
1121	5753.9	3.7420	6.408	1.967	0.948	0.939	0.174	1.163
1122	5768.9	3.7535	6.380	1.962	0.950	0.932	0.173	1.163
1123	5783.9	3.7650	6.353	1.957	0.951	0.924	0.172	1.163
1124	5799.0	3.7766	6.325	1.953	0.952	0.916	0.171	1.162
1125	5814.0	3.7881	6.298	1.948	0.953	0.909	0.170	1.161

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1126	5829.2	3.7997	6.271	1.944	0.955	0.901	0.168	1.159
1127	5844.3	3.8113	6.244	1.939	0.956	0.893	0.167	1.158
1128	5859.5	3.8230	6.218	1.935	0.957	0.886	0.166	1.157
1129	5874.7	3.8347	6.191	1.930	0.958	0.879	0.165	1.156
1130	5890.0	3.8464	6.164	1.926	0.959	0.871	0.164	1.155
1131	5905.3	3.8582	6.138	1.921	0.960	0.864	0.163	1.155
1132	5920.6	3.8700	6.112	1.917	0.961	0.857	0.162	1.155
1133	5935.9	3.8818	6.086	1.913	0.962	0.850	0.161	1.157
1134	5951.3	3.8936	6.060	1.908	0.963	0.843	0.160	1.158
1135	5966.7	3.9055	6.034	1.904	0.964	0.836	0.159	1.161
1136	5982.1	3.9174	6.008	1.899	0.965	0.829	0.159	1.164
1137	5997.6	3.9293	5.982	1.895	0.966	0.822	0.158	1.167
1138	6013.1	3.9413	5.957	1.891	0.967	0.815	0.157	1.170
1139	6028.7	3.9533	5.931	1.886	0.968	0.809	0.156	1.173
1140	6044.2	3.9654	5.906	1.882	0.969	0.802	0.155	1.175
1141	6059.8	3.9774	5.881	1.877	0.970	0.795	0.154	1.176
1142	6075.5	3.9895	5.856	1.873	0.971	0.789	0.153	1.177
1143	6091.2	4.0017	5.831	1.869	0.972	0.782	0.152	1.177
1144	6106.9	4.0138	5.806	1.864	0.973	0.776	0.151	1.177
1145	6122.6	4.0260	5.782	1.860	0.974	0.769	0.150	1.176
1146	6133.6	4.0345	5.764	1.857	0.975	0.765	0.149	1.175
1147	6150.6	4.0478	5.737	1.852	0.976	0.758	0.148	1.174
1148	6167.7	4.0610	5.711	1.848	0.977	0.751	0.147	1.172
1149	6184.9	4.0743	5.684	1.843	0.978	0.744	0.146	1.171
1150	6202.1	4.0877	5.658	1.838	0.979	0.738	0.145	1.170
1151	6219.3	4.1011	5.632	1.834	0.980	0.731	0.145	1.169
1152	6236.6	4.1146	5.606	1.829	0.981	0.725	0.144	1.169
1153	6253.9	4.1281	5.581	1.824	0.982	0.718	0.143	1.169
1154	6271.3	4.1416	5.555	1.820	0.983	0.712	0.142	1.170
1155	6288.8	4.1552	5.530	1.815	0.985	0.706	0.141	1.172
1156	6306.2	4.1688	5.504	1.811	0.986	0.699	0.140	1.175
1157	6323.8	4.1825	5.479	1.806	0.987	0.693	0.139	1.178
1158	6341.4	4.1962	5.454	1.801	0.988	0.687	0.138	1.181
1159	6359.0	4.2100	5.428	1.797	0.989	0.681	0.137	1.184
1160	6376.7	4.2238	5.403	1.792	0.990	0.675	0.136	1.187
1161	6394.4	4.2377	5.378	1.788	0.991	0.668	0.135	1.189
1162	6412.2	4.2516	5.353	1.783	0.992	0.662	0.134	1.190
1163	6430.0	4.2655	5.329	1.778	0.993	0.656	0.133	1.191
1164	6447.9	4.2795	5.304	1.774	0.994	0.651	0.133	1.190
1165	6465.8	4.2936	5.279	1.769	0.995	0.645	0.132	1.190
1166	6483.8	4.3077	5.255	1.765	0.996	0.639	0.131	1.188
1167	6501.8	4.3218	5.230	1.760	0.997	0.633	0.130	1.187
1168	6519.9	4.3360	5.206	1.756	0.998	0.627	0.129	1.186
1169	6538.0	4.3502	5.182	1.751	0.999	0.622	0.128	1.184
1170	6556.2	4.3645	5.158	1.747	1.000	0.616	0.127	1.183

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1171	6574.4	4.3789	5.134	1.742	1.001	0.611	0.127	1.182
1172	6592.7	4.3932	5.110	1.738	1.002	0.605	0.126	1.182
1173	6611.0	4.4076	5.087	1.733	1.003	0.600	0.125	1.183
1174	6629.4	4.4221	5.063	1.729	1.004	0.594	0.124	1.184
1175	6647.8	4.4366	5.040	1.724	1.005	0.589	0.123	1.186
1176	6666.3	4.4512	5.017	1.720	1.006	0.584	0.123	1.189
1177	6684.8	4.4658	4.994	1.715	1.007	0.579	0.122	1.192
1178	6703.4	4.4804	4.971	1.711	1.008	0.573	0.121	1.196
1179	6722.0	4.4951	4.949	1.706	1.009	0.568	0.120	1.199
1180	6740.7	4.5099	4.926	1.702	1.010	0.563	0.119	1.201
1181	6759.4	4.5247	4.904	1.697	1.011	0.558	0.119	1.203
1182	6778.2	4.5395	4.881	1.693	1.012	0.553	0.118	1.204
1183	6797.0	4.5544	4.859	1.688	1.013	0.548	0.117	1.205
1184	6815.9	4.5693	4.837	1.684	1.014	0.543	0.116	1.204
1185	6834.8	4.5843	4.815	1.680	1.015	0.539	0.115	1.204
1186	6853.8	4.5994	4.793	1.675	1.016	0.534	0.115	1.202
1187	6872.8	4.6144	4.771	1.671	1.017	0.529	0.114	1.201
1188	6891.9	4.6296	4.750	1.666	1.018	0.524	0.113	1.199
1189	6911.0	4.6447	4.728	1.662	1.019	0.520	0.112	1.198
1190	6930.2	4.6600	4.706	1.658	1.020	0.515	0.112	1.197
1191	6949.4	4.6752	4.685	1.653	1.021	0.511	0.111	1.196
1192	6968.7	4.6906	4.664	1.649	1.022	0.506	0.110	1.196
1193	6988.0	4.7059	4.642	1.645	1.024	0.502	0.110	1.197
1194	7007.4	4.7214	4.621	1.640	1.025	0.497	0.109	1.198
1195	7026.9	4.7368	4.600	1.636	1.026	0.493	0.108	1.201
1196	7046.4	4.7524	4.579	1.632	1.027	0.488	0.107	1.203
1197	7065.9	4.7679	4.558	1.627	1.028	0.484	0.107	1.207
1198	7085.5	4.7835	4.537	1.623	1.029	0.480	0.106	1.210
1199	7105.2	4.7992	4.517	1.619	1.030	0.475	0.105	1.213
1200	7124.8	4.8149	4.496	1.614	1.031	0.471	0.105	1.216
1201	7144.6	4.8306	4.476	1.610	1.032	0.467	0.104	1.218
1202	7164.3	4.8464	4.455	1.606	1.033	0.463	0.103	1.219
1203	7184.2	4.8623	4.435	1.602	1.034	0.459	0.102	1.219
1204	7204.0	4.8781	4.415	1.597	1.035	0.455	0.102	1.219
1205	7223.9	4.8941	4.395	1.593	1.036	0.451	0.101	1.218
1206	7243.9	4.9100	4.375	1.589	1.037	0.447	0.100	1.217
1207	7263.9	4.9260	4.355	1.585	1.038	0.443	0.100	1.216
1208	7284.0	4.9421	4.335	1.581	1.039	0.439	0.099	1.214
1209	7304.1	4.9582	4.315	1.576	1.040	0.435	0.099	1.213
1210	7324.2	4.9743	4.296	1.572	1.041	0.431	0.098	1.212
1211	7344.4	4.9905	4.276	1.568	1.042	0.427	0.097	1.211
1212	7364.7	5.0068	4.257	1.564	1.044	0.423	0.097	1.211
1213	7384.9	5.0230	4.238	1.560	1.045	0.420	0.096	1.212
1214	7405.3	5.0394	4.219	1.556	1.046	0.416	0.095	1.213
1215	7425.7	5.0557	4.200	1.551	1.047	0.412	0.095	1.215

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1216	7446.1	5.0722	4.181	1.547	1.048	0.409	0.094	1.218
1217	7466.6	5.0886	4.162	1.543	1.049	0.405	0.093	1.221
1218	7487.1	5.1051	4.143	1.539	1.050	0.401	0.093	1.224
1219	7507.7	5.1217	4.125	1.535	1.051	0.398	0.092	1.228
1220	7528.3	5.1383	4.106	1.531	1.052	0.394	0.092	1.230
1221	7549.0	5.1549	4.088	1.527	1.053	0.391	0.091	1.233
1222	7569.7	5.1716	4.070	1.523	1.054	0.388	0.090	1.234
1223	7590.5	5.1884	4.051	1.519	1.055	0.384	0.090	1.234
1224	7611.3	5.2052	4.033	1.515	1.056	0.381	0.089	1.234
1225	7632.2	5.2220	4.015	1.511	1.057	0.378	0.089	1.234
1226	7653.1	5.2389	3.997	1.507	1.059	0.374	0.088	1.233
1227	7674.1	5.2558	3.980	1.503	1.060	0.371	0.087	1.231
1228	7695.1	5.2728	3.962	1.499	1.061	0.368	0.087	1.230
1229	7716.2	5.2898	3.944	1.495	1.062	0.365	0.086	1.229
1230	7737.3	5.3069	3.927	1.491	1.063	0.361	0.086	1.227
1231	7758.5	5.3240	3.909	1.487	1.064	0.358	0.085	1.227
1232	7779.7	5.3412	3.892	1.483	1.065	0.355	0.085	1.226
1233	7801.0	5.3584	3.875	1.479	1.066	0.352	0.084	1.227
1234	7822.3	5.3757	3.858	1.475	1.067	0.349	0.084	1.228
1235	7843.7	5.3930	3.841	1.471	1.068	0.346	0.083	1.230
1236	7865.1	5.4103	3.824	1.467	1.069	0.343	0.082	1.232
1237	7886.6	5.4277	3.807	1.463	1.070	0.340	0.082	1.235
1238	7908.1	5.4452	3.790	1.459	1.071	0.337	0.081	1.239
1239	7929.7	5.4627	3.774	1.455	1.072	0.334	0.081	1.242
1240	7951.3	5.4802	3.757	1.451	1.073	0.331	0.080	1.245
1241	7973.0	5.4978	3.741	1.448	1.074	0.329	0.080	1.247
1242	7994.7	5.5155	3.724	1.444	1.075	0.326	0.079	1.249
1243	8016.5	5.5332	3.708	1.440	1.077	0.323	0.079	1.250
1244	8038.3	5.5509	3.692	1.436	1.078	0.320	0.078	1.250
1245	8060.2	5.5687	3.676	1.432	1.079	0.317	0.078	1.250
1246	8082.1	5.5865	3.660	1.428	1.080	0.315	0.077	1.249
1247	8104.1	5.6044	3.644	1.425	1.081	0.312	0.077	1.248
1248	8126.1	5.6224	3.628	1.421	1.082	0.309	0.076	1.247
1249	8148.2	5.6404	3.612	1.417	1.083	0.307	0.076	1.245
1250	8170.4	5.6584	3.596	1.413	1.084	0.304	0.075	1.244
1251	8192.6	5.6765	3.581	1.409	1.085	0.301	0.075	1.243
1252	8214.8	5.6946	3.565	1.406	1.086	0.299	0.074	1.242
1253	8237.1	5.7128	3.550	1.402	1.087	0.296	0.074	1.242
1254	8259.5	5.7311	3.534	1.398	1.088	0.294	0.073	1.243
1255	8281.9	5.7494	3.519	1.394	1.089	0.291	0.073	1.244
1256	8304.4	5.7677	3.504	1.391	1.090	0.289	0.072	1.247
1257	8326.9	5.7861	3.489	1.387	1.091	0.286	0.072	1.249
1258	8349.4	5.8045	3.473	1.383	1.092	0.284	0.071	1.253
1259	8372.1	5.8230	3.458	1.380	1.093	0.282	0.071	1.256
1260	8394.7	5.8416	3.444	1.376	1.094	0.279	0.070	1.259

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1261	8417.5	5.8601	3.429	1.372	1.095	0.277	0.070	1.262
1262	8440.2	5.8788	3.414	1.368	1.096	0.275	0.069	1.264
1263	8463.1	5.8975	3.399	1.365	1.098	0.272	0.069	1.266
1264	8486.0	5.9162	3.385	1.361	1.099	0.270	0.069	1.267
1265	8508.9	5.9350	3.370	1.358	1.100	0.268	0.068	1.267
1266	8531.9	5.9539	3.356	1.354	1.101	0.265	0.068	1.267
1267	8555.0	5.9728	3.341	1.350	1.102	0.263	0.067	1.266
1268	8578.1	5.9917	3.327	1.347	1.103	0.261	0.067	1.264
1269	8601.3	6.0107	3.313	1.343	1.104	0.259	0.066	1.263
1270	8624.5	6.0298	3.298	1.339	1.106	0.257	0.066	1.262
1271	8647.7	6.0489	3.284	1.336	1.107	0.254	0.065	1.260
1272	8671.1	6.0680	3.270	1.332	1.108	0.252	0.065	1.259
1273	8694.5	6.0872	3.256	1.329	1.109	0.250	0.065	1.259
1274	8717.9	6.1065	3.242	1.325	1.110	0.248	0.064	1.259
1275	8741.4	6.1258	3.229	1.322	1.111	0.246	0.064	1.260
1276	8765.0	6.1452	3.215	1.318	1.112	0.244	0.063	1.261
1277	8788.6	6.1646	3.201	1.315	1.113	0.242	0.063	1.264
1278	8812.2	6.1841	3.188	1.311	1.114	0.240	0.063	1.267
1279	8836.0	6.2036	3.174	1.308	1.115	0.238	0.062	1.270
1280	8859.7	6.2232	3.160	1.304	1.116	0.236	0.062	1.273
1281	8883.6	6.2428	3.147	1.301	1.117	0.234	0.061	1.276
1282	8907.5	6.2625	3.134	1.297	1.118	0.232	0.061	1.279
1283	8931.4	6.2822	3.120	1.294	1.119	0.230	0.061	1.282
1284	8955.4	6.3020	3.107	1.290	1.120	0.228	0.060	1.283
1285	8979.5	6.3219	3.094	1.287	1.121	0.226	0.060	1.284
1286	9003.6	6.3418	3.081	1.283	1.122	0.224	0.059	1.284
1287	9027.8	6.3617	3.068	1.280	1.123	0.222	0.059	1.284
1288	9052.0	6.3817	3.055	1.276	1.124	0.221	0.059	1.283
1289	9076.3	6.4018	3.042	1.273	1.126	0.219	0.058	1.282
1290	9100.7	6.4219	3.029	1.269	1.127	0.217	0.058	1.280
1291	9125.1	6.4421	3.016	1.266	1.128	0.215	0.057	1.279
1292	9149.6	6.4623	3.003	1.263	1.129	0.213	0.057	1.278
1293	9174.1	6.4826	2.991	1.259	1.130	0.212	0.057	1.277
1294	9198.7	6.5029	2.978	1.256	1.131	0.210	0.056	1.276
1295	9223.3	6.5233	2.966	1.252	1.132	0.208	0.056	1.276
1296	9245.1	6.5413	2.955	1.250	1.133	0.207	0.056	1.277
1297	9269.8	6.5618	2.942	1.246	1.134	0.205	0.055	1.279
1298	9294.6	6.5824	2.930	1.243	1.136	0.203	0.055	1.281
1299	9319.5	6.6030	2.917	1.240	1.137	0.201	0.055	1.284
1300	9344.5	6.6236	2.905	1.236	1.138	0.200	0.054	1.287
1301	9369.5	6.6443	2.893	1.233	1.139	0.198	0.054	1.290
1302	9394.5	6.6651	2.881	1.230	1.140	0.196	0.053	1.293
1303	9419.6	6.6859	2.869	1.226	1.141	0.195	0.053	1.296
1304	9444.8	6.7068	2.857	1.223	1.142	0.193	0.053	1.298
1305	9470.0	6.7278	2.845	1.220	1.143	0.192	0.052	1.300

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1306	9495.3	6.7488	2.833	1.216	1.144	0.190	0.052	1.302
1307	9520.7	6.7698	2.821	1.213	1.145	0.189	0.052	1.302
1308	9546.1	6.7909	2.809	1.210	1.146	0.187	0.051	1.302
1309	9571.6	6.8121	2.797	1.207	1.147	0.185	0.051	1.301
1310	9597.1	6.8333	2.785	1.203	1.148	0.184	0.051	1.300
1311	9622.7	6.8546	2.774	1.200	1.149	0.182	0.050	1.299
1312	9648.4	6.8759	2.762	1.197	1.150	0.181	0.050	1.297
1313	9674.1	6.8973	2.751	1.194	1.151	0.179	0.050	1.296
1314	9699.9	6.9188	2.739	1.190	1.152	0.178	0.049	1.295
1315	9725.7	6.9403	2.728	1.187	1.154	0.176	0.049	1.294
1316	9751.6	6.9619	2.716	1.184	1.155	0.175	0.049	1.294
1317	9777.6	6.9835	2.705	1.181	1.156	0.174	0.048	1.294
1318	9803.6	7.0052	2.694	1.178	1.157	0.172	0.048	1.296
1319	9829.7	7.0269	2.682	1.175	1.158	0.171	0.048	1.298
1320	9855.9	7.0487	2.671	1.171	1.159	0.169	0.048	1.301
1321	9882.1	7.0706	2.660	1.168	1.160	0.168	0.047	1.304
1322	9908.4	7.0925	2.649	1.165	1.162	0.167	0.047	1.307
1323	9934.7	7.1145	2.638	1.162	1.163	0.165	0.047	1.310
1324	9961.2	7.1365	2.627	1.159	1.164	0.164	0.046	1.313
1325	9987.6	7.1586	2.616	1.156	1.165	0.162	0.046	1.316
1326	10014.2	7.1807	2.605	1.153	1.166	0.161	0.046	1.318
1327	10040.8	7.2030	2.594	1.150	1.167	0.160	0.045	1.319
1328	10067.4	7.2252	2.584	1.146	1.168	0.159	0.045	1.320
1329	10094.2	7.2476	2.573	1.143	1.169	0.157	0.045	1.320
1330	10121.0	7.2700	2.562	1.140	1.170	0.156	0.045	1.320
1331	10147.8	7.2924	2.552	1.137	1.171	0.155	0.044	1.319
1332	10174.7	7.3149	2.541	1.134	1.172	0.153	0.044	1.317
1333	10201.7	7.3375	2.530	1.131	1.173	0.152	0.044	1.316
1334	10228.8	7.3601	2.520	1.128	1.174	0.151	0.043	1.315
1335	10255.9	7.3828	2.510	1.125	1.175	0.150	0.043	1.313
1336	10283.1	7.4056	2.499	1.122	1.176	0.148	0.043	1.313
1337	10310.3	7.4284	2.489	1.119	1.177	0.147	0.043	1.312
1338	10337.6	7.4512	2.479	1.116	1.178	0.146	0.042	1.312
1339	10365.0	7.4742	2.468	1.113	1.180	0.145	0.042	1.314
1340	10392.4	7.4972	2.458	1.110	1.181	0.144	0.042	1.316
1341	10420.0	7.5202	2.448	1.107	1.182	0.142	0.041	1.318
1342	10447.5	7.5434	2.438	1.104	1.183	0.141	0.041	1.321
1343	10475.2	7.5665	2.428	1.101	1.184	0.140	0.041	1.324
1344	10502.9	7.5898	2.418	1.098	1.185	0.139	0.041	1.327
1345	10530.7	7.6131	2.408	1.095	1.186	0.138	0.040	1.330
1346	10558.5	7.6364	2.398	1.092	1.188	0.137	0.040	1.333
1347	10586.4	7.6599	2.388	1.089	1.189	0.136	0.040	1.335
1348	10614.4	7.6834	2.378	1.086	1.190	0.135	0.040	1.337
1349	10642.4	7.7069	2.368	1.083	1.191	0.133	0.039	1.339
1350	10670.5	7.7305	2.359	1.080	1.192	0.132	0.039	1.339

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1351	10698.7	7.7542	2.349	1.078	1.193	0.131	0.039	1.339
1352	10727.0	7.7779	2.339	1.075	1.194	0.130	0.039	1.338
1353	10755.3	7.8018	2.330	1.072	1.195	0.129	0.038	1.337
1354	10783.7	7.8256	2.320	1.069	1.196	0.128	0.038	1.336
1355	10812.1	7.8496	2.310	1.066	1.197	0.127	0.038	1.334
1356	10840.6	7.8735	2.301	1.063	1.198	0.126	0.038	1.333
1357	10869.2	7.8976	2.292	1.060	1.199	0.125	0.037	1.332
1358	10897.9	7.9217	2.282	1.057	1.200	0.124	0.037	1.331
1359	10926.6	7.9459	2.273	1.055	1.201	0.123	0.037	1.331
1360	10955.4	7.9702	2.263	1.052	1.202	0.122	0.037	1.332
1361	10984.3	7.9945	2.254	1.049	1.203	0.121	0.036	1.333
1362	11013.2	8.0189	2.245	1.046	1.204	0.120	0.036	1.335
1363	11042.2	8.0433	2.236	1.043	1.206	0.119	0.036	1.337
1364	11071.3	8.0678	2.227	1.040	1.207	0.118	0.036	1.341
1365	11100.4	8.0924	2.217	1.038	1.208	0.117	0.035	1.344
1366	11129.7	8.1170	2.208	1.035	1.209	0.116	0.035	1.347
1367	11158.9	8.1417	2.199	1.032	1.210	0.115	0.035	1.350
1368	11188.3	8.1665	2.190	1.029	1.211	0.114	0.035	1.353
1369	11217.7	8.1913	2.181	1.026	1.212	0.113	0.035	1.355
1370	11247.2	8.2162	2.173	1.024	1.213	0.113	0.034	1.357
1371	11276.8	8.2412	2.164	1.021	1.215	0.112	0.034	1.358
1372	11306.4	8.2662	2.155	1.018	1.216	0.111	0.034	1.358
1373	11336.2	8.2913	2.146	1.015	1.217	0.110	0.034	1.358
1374	11365.9	8.3165	2.137	1.013	1.218	0.109	0.033	1.357
1375	11395.8	8.3417	2.129	1.010	1.219	0.108	0.033	1.355
1376	11425.7	8.3670	2.120	1.007	1.220	0.107	0.033	1.354
1377	11455.7	8.3924	2.111	1.004	1.221	0.106	0.033	1.353
1378	11485.8	8.4178	2.103	1.002	1.222	0.105	0.033	1.351
1379	11515.9	8.4433	2.094	0.999	1.223	0.105	0.032	1.3[illegible]
1380	11546.2	8.4689	2.086	0.996	1.224	0.104	0.032	1.3[illegible]
1381	11576.5	8.4945	2.077	0.994	1.225	0.103	0.032	1.3[illegible]
1382	11606.8	8.5202	2.069	0.991	1.226	0.102	0.032	1.[illegible]51
1383	11637.3	8.5460	2.060	0.988	1.227	0.101	0.032	1.353
1384	11667.8	8.5718	2.052	0.986	1.228	0.101	0.031	1.355
1385	11698.4	8.5977	2.044	0.983	1.230	0.100	0.031	1.358
1386	11729.0	8.6237	2.035	0.980	1.231	0.099	0.031	1.361
1387	11759.8	8.6497	2.027	0.978	1.232	0.098	0.031	1.364
1388	11790.6	8.6758	2.019	0.975	1.233	0.097	0.030	1.368
1389	11821.4	8.7020	2.011	0.972	1.234	0.097	0.030	1.371
1390	11852.4	8.7282	2.002	0.970	1.235	0.096	0.030	1.373
1391	11883.4	8.7546	1.994	0.967	1.236	0.095	0.030	1.375
1392	11914.5	8.7810	1.986	0.964	1.237	0.094	0.030	1.377
1393	11945.7	8.8074	1.978	0.962	1.238	0.093	0.030	1.377
1394	11977.0	8.8339	1.970	0.959	1.239	0.093	0.029	1.377
1395	12008.3	8.8605	1.962	0.957	1.241	0.092	0.029	1.377

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1396	12039.7	8.8872	1.954	0.954	1.242	0.091	0.029	1.376
1397	12071.2	8.9139	1.946	0.951	1.243	0.091	0.029	1.374
1398	12102.8	8.9407	1.938	0.949	1.244	0.090	0.029	1.373
1399	12134.4	8.9676	1.931	0.946	1.245	0.089	0.028	1.372
1400	12166.1	8.9945	1.923	0.944	1.246	0.088	0.028	1.370
1401	12197.9	9.0216	1.915	0.941	1.247	0.088	0.028	1.370
1402	12229.8	9.0487	1.907	0.939	1.248	0.087	0.028	1.370
1403	12261.8	9.0758	1.900	0.936	1.249	0.086	0.028	1.370
1404	12293.8	9.1030	1.892	0.934	1.250	0.086	0.027	1.371
1405	12325.9	9.1303	1.884	0.931	1.251	0.085	0.027	1.373
1406	12358.1	9.1577	1.877	0.929	1.253	0.084	0.027	1.376
1407	12390.3	9.1852	1.869	0.926	1.254	0.084	0.027	1.379
1408	12422.7	9.2127	1.862	0.924	1.255	0.083	0.027	1.382
1409	12455.1	9.2403	1.854	0.921	1.256	0.082	0.027	1.385
1410	12487.6	9.2679	1.847	0.919	1.257	0.082	0.026	1.388
1411	12520.1	9.2957	1.839	0.916	1.258	0.081	0.026	1.390
1412	12552.8	9.3235	1.832	0.914	1.259	0.080	0.026	1.393
1413	12585.5	9.3513	1.824	0.911	1.260	0.080	0.026	1.395
1414	12618.3	9.3793	1.817	0.909	1.261	0.079	0.026	1.397
1415	12651.2	9.4073	1.810	0.906	1.262	0.078	0.026	1.397
1416	12684.2	9.4354	1.802	0.904	1.263	0.078	0.025	1.397
1417	12717.2	9.4636	1.795	0.901	1.265	0.077	0.025	1.396
1418	12750.4	9.4918	1.788	0.899	1.266	0.077	0.025	1.395
1419	12783.6	9.5202	1.781	0.896	1.267	0.076	0.025	1.394
1420	12816.9	9.5485	1.774	0.894	1.268	0.075	0.025	1.393
1421	12850.2	9.5770	1.767	0.892	1.269	0.075	0.025	1.391
1422	12883.7	9.6056	1.759	0.889	1.270	0.074	0.024	1.390
1423	12917.2	9.6342	1.752	0.887	1.271	0.074	0.024	1.389
1424	12950.8	9.6629	1.745	0.884	1.272	0.073	0.024	1.389
1425	12984.5	9.6916	1.738	0.882	1.273	0.072	0.024	1.390
1426	13018.3	9.7205	1.731	0.879	1.274	0.072	0.024	1.392
1427	13052.2	9.7494	1.724	0.877	1.276	0.071	0.024	1.394
1428	13086.1	9.7784	1.717	0.875	1.277	0.071	0.024	1.396
1429	13120.1	9.8075	1.711	0.872	1.278	0.070	0.023	1.399
1430	13154.2	9.8366	1.704	0.870	1.279	0.070	0.023	1.402
1431	13188.4	9.8658	1.697	0.868	1.280	0.069	0.023	1.405
1432	13222.7	9.8951	1.690	0.865	1.281	0.068	0.023	1.408
1433	13257.1	9.9245	1.683	0.863	1.282	0.068	0.023	1.411
1434	13291.5	9.9539	1.677	0.861	1.283	0.067	0.023	1.414
1435	13326.0	9.9835	1.670	0.858	1.285	0.067	0.022	1.416
1436	13360.6	10.0131	1.663	0.856	1.286	0.066	0.022	1.417
1437	13395.3	10.0427	1.657	0.854	1.287	0.066	0.022	1.417
1438	13430.1	10.0725	1.650	0.851	1.288	0.065	0.022	1.417
1439	13465.0	10.1023	1.643	0.849	1.289	0.065	0.022	1.417
1440	13499.9	10.1323	1.637	0.847	1.290	0.064	0.022	1.415

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1441	13534.9	10.1622	1.630	0.844	1.291	0.064	0.022	1.414
1442	13570.0	10.1923	1.624	0.842	1.292	0.063	0.021	1.413
1443	13605.2	10.2225	1.617	0.840	1.293	0.063	0.021	1.411
1444	13640.5	10.2527	1.611	0.838	1.294	0.062	0.021	1.410
1445	13675.9	10.2830	1.604	0.835	1.296	0.062	0.021	1.410
1446	13707.1	10.3097	1.599	0.833	1.296	0.061	0.021	1.410
1447	13742.6	10.3402	1.592	0.831	1.298	0.061	0.021	1.410
1448	13778.3	10.3707	1.586	0.829	1.299	0.060	0.021	1.412
1449	13814.0	10.4013	1.580	0.826	1.300	0.060	0.021	1.414
1450	13849.7	10.4320	1.573	0.824	1.301	0.059	0.020	1.417
1451	13885.6	10.4628	1.567	0.822	1.302	0.059	0.020	1.420
1452	13921.6	10.4936	1.561	0.820	1.303	0.058	0.020	1.422
1453	13957.6	10.5246	1.555	0.818	1.304	0.058	0.020	1.425
1454	13993.8	10.5556	1.548	0.815	1.305	0.058	0.020	1.428
1455	14030.0	10.5867	1.542	0.813	1.306	0.057	0.020	1.431
1456	14066.3	10.6178	1.536	0.811	1.307	0.057	0.020	1.433
1457	14102.7	10.6491	1.530	0.809	1.309	0.056	0.019	1.436
1458	14139.2	10.6804	1.524	0.806	1.310	0.056	0.019	1.437
1459	14175.8	10.7118	1.518	0.804	1.311	0.055	0.019	1.438
1460	14212.5	10.7433	1.512	0.802	1.312	0.055	0.019	1.437
1461	14249.2	10.7749	1.506	0.800	1.313	0.054	0.019	1.437
1462	14286.1	10.8066	1.500	0.798	1.314	0.054	0.019	1.436
1463	14323.0	10.8383	1.494	0.796	1.315	0.054	0.019	1.434
1464	14360.1	10.8701	1.488	0.793	1.317	0.053	0.019	1.433
1465	14397.2	10.9020	1.482	0.791	1.318	0.053	0.018	1.432
1466	14434.4	10.9340	1.476	0.789	1.319	0.052	0.018	1.431
1467	14471.7	10.9661	1.470	0.787	1.320	0.052	0.018	1.430
1468	14509.1	10.9982	1.464	0.785	1.321	0.052	0.018	1.430
1469	14546.6	11.0305	1.459	0.783	1.322	0.051	0.018	1.431
1470	14584.1	11.0628	1.453	0.781	1.323	0.051	0.018	1.433
1471	14621.8	11.0952	1.447	0.778	1.324	0.050	0.018	1.435
1472	14659.5	11.1277	1.441	0.776	1.325	0.050	0.018	1.438
1473	14697.4	11.1602	1.436	0.774	1.326	0.050	0.018	1.441
1474	14735.3	11.1929	1.430	0.772	1.327	0.049	0.017	1.444
1475	14773.3	11.2256	1.424	0.770	1.328	0.049	0.017	1.446
1476	14811.4	11.2584	1.419	0.768	1.330	0.048	0.017	1.449
1477	14849.7	11.2913	1.413	0.766	1.331	0.048	0.017	1.452
1478	14888.0	11.3243	1.407	0.764	1.332	0.048	0.017	1.454
1479	14926.4	11.3574	1.402	0.762	1.333	0.047	0.017	1.457
1480	14964.8	11.3906	1.396	0.760	1.334	0.047	0.017	1.458
1481	15003.4	11.4238	1.391	0.758	1.335	0.046	0.017	1.458
1482	15042.1	11.4571	1.385	0.755	1.336	0.046	0.017	1.458
1483	15080.9	11.4906	1.380	0.753	1.338	0.046	0.016	1.457
1484	15119.7	11.5241	1.374	0.751	1.339	0.045	0.016	1.456
1485	15158.7	11.5576	1.369	0.749	1.340	0.045	0.016	1.455

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1486	15197.7	11.5913	1.363	0.747	1.341	0.045	0.016	1.453
1487	15236.9	11.6251	1.358	0.745	1.342	0.044	0.016	1.452
1488	15276.1	11.6589	1.353	0.743	1.343	0.044	0.016	1.451
1489	15315.5	11.6929	1.347	0.741	1.345	0.044	0.016	1.451
1490	15354.9	11.7269	1.342	0.739	1.346	0.043	0.016	1.451
1491	15394.4	11.7610	1.337	0.737	1.347	0.043	0.016	1.452
1492	15434.0	11.7952	1.331	0.735	1.348	0.043	0.016	1.454
1493	15473.7	11.8295	1.326	0.733	1.349	0.042	0.015	1.456
1494	15513.6	11.8638	1.321	0.731	1.350	0.042	0.015	1.459
1495	15553.5	11.8983	1.316	0.729	1.351	0.042	0.015	1.462
1496	15593.5	11.9328	1.310	0.727	1.353	0.041	0.015	1.465
1497	15633.6	11.9675	1.305	0.725	1.354	0.041	0.015	1.467
1498	15673.8	12.0022	1.300	0.723	1.355	0.041	0.015	1.470
1499	15714.1	12.0370	1.295	0.721	1.356	0.040	0.015	1.473
1500	15754.5	12.0719	1.290	0.719	1.357	0.040	0.015	1.475
1501	15795.0	12.1069	1.285	0.717	1.358	0.040	0.015	1.477
1502	15835.6	12.1420	1.280	0.715	1.359	0.039	0.015	1.479
1503	15876.3	12.1772	1.275	0.714	1.360	0.039	0.014	1.480
1504	15917.0	12.2124	1.270	0.712	1.362	0.039	0.014	1.480
1505	15957.9	12.2478	1.264	0.710	1.363	0.038	0.014	1.479
1506	15998.9	12.2832	1.260	0.708	1.364	0.038	0.014	1.478
1507	16040.0	12.3188	1.255	0.706	1.365	0.038	0.014	1.476
1508	16081.2	12.3544	1.250	0.704	1.366	0.038	0.014	1.475
1509	16122.5	12.3901	1.245	0.702	1.367	0.037	0.014	1.474
1510	16163.9	12.4259	1.240	0.700	1.368	0.037	0.014	1.473
1511	16205.4	12.4618	1.235	0.698	1.370	0.037	0.014	1.472
1512	16246.9	12.4978	1.230	0.696	1.371	0.036	0.014	1.473
1513	16288.6	12.5339	1.225	0.694	1.372	0.036	0.014	1.473
1514	16330.4	12.5701	1.220	0.692	1.373	0.036	0.013	1.475
1515	16372.3	12.6063	1.215	0.691	1.374	0.036	0.013	1.477
1516	16414.3	12.6427	1.211	0.689	1.375	0.035	0.013	1.480
1517	16456.4	12.6791	1.206	0.687	1.376	0.035	0.013	1.483
1518	16498.6	12.7157	1.201	0.685	1.377	0.035	0.013	1.486
1519	16540.9	12.7523	1.196	0.683	1.378	0.034	0.013	1.489
1520	16583.3	12.7891	1.192	0.681	1.380	0.034	0.013	1.492
1521	16625.8	12.8259	1.187	0.679	1.381	0.034	0.013	1.495
1522	16668.4	12.8628	1.182	0.678	1.382	0.034	0.013	1.497
1523	16711.1	12.8998	1.178	0.676	1.383	0.033	0.013	1.499
1524	16753.9	12.9369	1.173	0.674	1.384	0.033	0.013	1.500
1525	16796.9	12.9741	1.168	0.672	1.385	0.033	0.013	1.501
1526	16839.9	13.0114	1.164	0.670	1.386	0.033	0.012	1.501
1527	16883.0	13.0488	1.159	0.668	1.387	0.032	0.012	1.500
1528	16926.2	13.0863	1.155	0.667	1.388	0.032	0.012	1.499
1529	16969.6	13.1239	1.150	0.665	1.390	0.032	0.012	1.498
1530	17013.0	13.1616	1.146	0.663	1.391	0.032	0.012	1.496

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* O V E R P R E S S U R E *******			**** D Y N A M I C P R E S S U R E ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1531	17056.6	13.1994	1.141	0.661	1.392	0.031	0.012	1.495
1532	17100.2	13.2372	1.136	0.659	1.393	0.031	0.012	1.494
1533	17144.0	13.2752	1.132	0.657	1.394	0.031	0.012	1.494
1534	17187.9	13.3133	1.128	0.656	1.395	0.031	0.012	1.494
1535	17231.8	13.3515	1.123	0.654	1.396	0.030	0.012	1.496
1536	17275.9	13.3897	1.119	0.652	1.397	0.030	0.012	1.498
1537	17320.1	13.4281	1.114	0.650	1.399	0.030	0.012	1.500
1538	17364.4	13.4665	1.110	0.649	1.400	0.030	0.012	1.503
1539	17408.8	13.5051	1.106	0.647	1.401	0.029	0.011	1.506
1540	17453.3	13.5438	1.101	0.645	1.402	0.029	0.011	1.508
1541	17497.9	13.5825	1.097	0.643	1.403	0.029	0.011	1.510
1542	17542.7	13.6214	1.092	0.642	1.404	0.029	0.011	1.513
1543	17587.5	13.6603	1.088	0.640	1.405	0.029	0.011	1.516
1544	17632.4	13.6994	1.084	0.638	1.406	0.028	0.011	1.518
1545	17677.5	13.7385	1.080	0.636	1.407	0.028	0.011	1.520
1546	17722.7	13.7778	1.075	0.635	1.408	0.028	0.011	1.522
1547	17767.9	13.8171	1.071	0.633	1.410	0.028	0.011	1.522
1548	17813.3	13.8566	1.067	0.631	1.411	0.027	0.011	1.522
1549	17858.8	13.8961	1.063	0.629	1.412	0.027	0.011	1.521
1550	17904.4	13.9358	1.059	0.628	1.413	0.027	0.011	1.520
1551	17950.1	13.9755	1.054	0.626	1.414	0.027	0.011	1.518
1552	17995.9	14.0154	1.050	0.624	1.415	0.027	0.011	1.517
1553	18041.9	14.0553	1.046	0.622	1.416	0.026	0.010	1.516
1554	18087.9	14.0954	1.042	0.621	1.417	0.026	0.010	1.515
1555	18134.1	14.1356	1.038	0.619	1.419	0.026	0.010	1.515
1556	18180.4	14.1758	1.034	0.617	1.420	0.026	0.010	1.516
1557	18226.8	14.2162	1.030	0.616	1.421	0.026	0.010	1.517
1558	18273.3	14.2566	1.026	0.614	1.422	0.025	0.010	1.519
1559	18319.9	14.2972	1.022	0.612	1.423	0.025	0.010	1.521
1560	18366.6	14.3379	1.018	0.611	1.424	0.025	0.010	1.525
1561	18413.4	14.3787	1.014	0.609	1.425	0.025	0.010	1.528
1562	18460.4	14.4195	1.010	0.607	1.429	0.025	0.010	1.530
1563	18507.5	14.4605	1.006	0.606	1.429	0.024	0.010	1.532
1564	18554.6	14.5016	1.002	0.604	1.427	0.024	0.010	1.534
1565	18601.9	14.5428	0.998	0.602	1.426	0.024	0.010	1.536
1566	18649.4	14.5841	0.994	0.601	1.426	0.024	0.010	1.539
1567	18696.9	14.6255	0.990	0.599	1.426	0.024	0.010	1.540
1568	18744.5	14.6670	0.986	0.597	1.426	0.023	0.009	1.536
1569	18792.3	14.7086	0.982	0.595	1.426	0.023	0.009	1.539
1570	18840.2	14.7504	0.978	0.594	1.427	0.023	0.009	1.542
1571	18888.2	14.7922	0.974	0.592	1.428	0.023	0.009	1.544
1572	18936.3	14.8341	0.970	0.590	1.428	0.023	0.009	1.546
1573	18984.5	14.8762	0.967	0.588	1.429	0.023	0.009	1.548
1574	19032.8	14.9183	0.963	0.586	1.430	0.022	0.009	1.549
1575	19081.3	14.9605	0.959	0.585	1.431	0.022	0.009	1.550

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1576	19129.9	15.0029	0.955	0.583	1.433	0.022	0.009	1.550
1577	19178.6	15.0454	0.951	0.581	1.434	0.022	0.009	1.549
1578	19227.4	15.0880	0.948	0.579	1.435	0.022	0.009	1.549
1579	19276.3	15.1306	0.944	0.578	1.436	0.022	0.009	1.548
1580	19325.4	15.1734	0.940	0.576	1.437	0.021	0.009	1.548
1581	19374.6	15.2163	0.937	0.574	1.439	0.021	0.009	1.548
1582	19423.9	15.2593	0.933	0.572	1.440	0.021	0.009	1.549
1583	19473.3	15.3025	0.929	0.571	1.441	0.021	0.009	1.550
1584	19522.8	15.3457	0.926	0.569	1.442	0.021	0.009	1.551
1585	19572.5	15.3890	0.922	0.567	1.443	0.021	0.009	1.553
1586	19622.2	15.4325	0.918	0.566	1.444	0.020	0.008	1.556
1587	19672.1	15.4760	0.915	0.564	1.445	0.020	0.008	1.559
1588	19722.2	15.5197	0.911	0.562	1.446	0.020	0.008	1.560
1589	19772.3	15.5635	0.907	0.560	1.447	0.020	0.008	1.553
1590	19822.6	15.6074	0.904	0.559	1.448	0.020	0.008	1.556
1591	19872.9	15.6514	0.900	0.557	1.449	0.020	0.008	1.558
1592	19923.5	15.6955	0.897	0.556	1.450	0.019	0.008	1.560
1593	19974.1	15.7397	0.893	0.554	1.452	0.019	0.008	1.561
1594	20024.8	15.7840	0.890	0.552	1.453	0.019	0.008	1.562
1595	20075.7	15.8285	0.886	0.551	1.454	0.019	0.008	1.562
1596	20097.5	15.8477	0.864	0.550	1.454	0.018	0.008	1.562
1597	20126.9	15.8734	0.862	0.549	1.454	0.018	0.008	1.562
1598	20156.4	15.8991	0.861	0.548	1.455	0.018	0.008	1.561
1599	20185.8	15.9249	0.859	0.547	1.456	0.018	0.008	1.561
1600	20215.4	15.9507	0.857	0.546	1.456	0.018	0.008	1.561
1601	20244.9	15.9765	0.855	0.545	1.457	0.018	0.008	1.560
1602	20274.5	16.0024	0.854	0.544	1.457	0.018	0.008	1.560
1603	20304.2	16.0284	0.852	0.543	1.458	0.018	0.008	1.560
1604	20333.9	16.0543	0.850	0.542	1.459	0.017	0.008	1.560
1605	20363.7	16.0803	0.848	0.541	1.459	0.017	0.008	1.560
1606	20393.5	16.1064	0.847	0.541	1.460	0.017	0.008	1.561
1607	20423.3	16.1325	0.845	0.540	1.460	0.017	0.008	1.561
1608	20453.2	16.1586	0.843	0.539	1.461	0.017	0.008	1.562
1609	20483.1	16.1848	0.842	0.538	1.462	0.017	0.007	1.563
1610	20513.1	16.2110	0.840	0.537	1.462	0.017	0.007	1.564
1611	20543.2	16.2373	0.838	0.536	1.463	0.017	0.007	1.565
1612	20573.2	16.2636	0.837	0.535	1.463	0.017	0.007	1.567
1613	20603.4	16.2899	0.835	0.534	1.464	0.017	0.007	1.568
1614	20633.5	16.3163	0.833	0.533	1.464	0.017	0.007	1.570
1615	20663.7	16.3428	0.831	0.533	1.465	0.017	0.007	1.572
1616	20694.0	16.3692	0.830	0.532	1.466	0.017	0.007	1.567
1617	20724.3	16.3957	0.828	0.531	1.466	0.017	0.007	1.561
1618	20754.7	16.4223	0.826	0.530	1.467	0.017	0.007	1.563
1619	20785.1	16.4489	0.825	0.529	1.467	0.016	0.007	1.565
1620	20815.5	16.4755	0.823	0.528	1.468	0.016	0.007	1.566

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1621	20846.1	16.5022	0.821	0.527	1.468	0.016	0.007	1.568
1622	20876.6	16.5290	0.819	0.526	1.469	0.016	0.007	1.569
1623	20907.2	16.5557	0.818	0.525	1.470	0.016	0.007	1.570
1624	20937.8	16.5826	0.816	0.525	1.470	0.016	0.007	1.571
1625	20968.5	16.6094	0.814	0.524	1.471	0.016	0.007	1.572
1626	20999.3	16.6363	0.813	0.523	1.471	0.016	0.007	1.572
1627	21030.1	16.6633	0.811	0.522	1.472	0.016	0.007	1.573
1628	21060.9	16.6903	0.809	0.521	1.472	0.016	0.007	1.573
1629	21091.8	16.7173	0.807	0.520	1.473	0.016	0.007	1.573
1630	21122.7	16.7444	0.806	0.519	1.473	0.016	0.007	1.573
1631	21153.7	16.7715	0.804	0.519	1.474	0.016	0.007	1.573
1632	21184.7	16.7986	0.802	0.518	1.475	0.016	0.007	1.573
1633	21215.8	16.8258	0.801	0.517	1.475	0.016	0.007	1.574
1634	21246.9	16.8531	0.799	0.516	1.476	0.015	0.007	1.574
1635	21278.1	16.8804	0.797	0.515	1.476	0.015	0.007	1.574
1636	21309.3	16.9077	0.795	0.514	1.477	0.015	0.007	1.574
1637	21340.6	16.9351	0.794	0.513	1.478	0.015	0.007	1.574
1638	21371.9	16.9625	0.792	0.513	1.478	0.015	0.007	1.575
1639	21403.3	16.9900	0.790	0.512	1.479	0.015	0.007	1.575
1640	21434.7	17.0175	0.789	0.511	1.479	0.015	0.007	1.576
1641	21466.2	17.0451	0.787	0.510	1.480	0.015	0.007	1.576
1642	21497.7	17.0727	0.785	0.509	1.481	0.015	0.007	1.577
1643	21529.3	17.1003	0.783	0.508	1.481	0.015	0.007	1.578
1644	21560.9	17.1280	0.782	0.508	1.482	0.015	0.007	1.580
1645	21592.5	17.1557	0.780	0.507	1.482	0.015	0.007	1.581
1646	21624.2	17.1835	0.778	0.506	1.483	0.015	0.006	1.582
1647	21656.0	17.2113	0.777	0.505	1.484	0.015	0.006	1.584
1648	21687.8	17.2392	0.775	0.504	1.484	0.015	0.006	1.586
1649	21719.7	17.2671	0.773	0.503	1.485	0.014	0.006	1.588
1650	21751.6	17.2951	0.771	0.502	1.485	0.014	0.006	1.586
1651	21783.6	17.3231	0.770	0.502	1.486	0.014	0.006	1.577
1652	21815.6	17.3511	0.768	0.501	1.487	0.014	0.006	1.577
1653	21847.6	17.3792	0.766	0.500	1.487	0.014	0.006	1.579
1654	21879.7	17.4074	0.765	0.499	1.488	0.014	0.006	1.580
1655	21911.9	17.4356	0.763	0.498	1.488	0.014	0.006	1.582
1656	21944.1	17.4638	0.761	0.497	1.489	0.014	0.006	1.583
1657	21976.4	17.4921	0.759	0.497	1.490	0.014	0.006	1.585
1658	22008.7	17.5204	0.758	0.496	1.490	0.014	0.006	1.586
1659	22041.0	17.5488	0.756	0.495	1.491	0.014	0.006	1.587
1660	22073.5	17.5772	0.754	0.494	1.491	0.014	0.006	1.588
1661	22105.9	17.6056	0.753	0.493	1.492	0.014	0.006	1.588
1662	22138.4	17.6341	0.751	0.493	1.493	0.014	0.006	1.589
1663	22171.0	17.6627	0.749	0.492	1.493	0.014	0.006	1.590
1664	22203.6	17.6913	0.747	0.491	1.494	0.014	0.006	1.590
1665	22236.3	17.7199	0.746	0.490	1.494	0.013	0.006	1.591

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1666	22269.0	17.7486	0.744	0.489	1.495	0.013	0.006	1.591
1667	22301.8	17.7773	0.742	0.488	1.496	0.013	0.006	1.591
1668	22334.6	17.8061	0.741	0.488	1.496	0.013	0.006	1.592
1669	22367.5	17.8349	0.739	0.487	1.497	0.013	0.006	1.592
1670	22400.4	17.8638	0.737	0.486	1.497	0.013	0.006	1.592
1671	22433.4	17.8927	0.736	0.485	1.498	0.013	0.006	1.593
1672	22466.4	17.9217	0.734	0.484	1.499	0.013	0.006	1.593
1673	22499.5	17.9507	0.732	0.484	1.499	0.013	0.006	1.594
1674	22532.6	17.9798	0.731	0.483	1.500	0.013	0.006	1.594
1675	22565.8	18.0089	0.729	0.482	1.500	0.013	0.006	1.595
1676	22599.0	18.0380	0.727	0.481	1.501	0.013	0.006	1.596
1677	22632.3	18.0672	0.726	0.480	1.502	0.013	0.006	1.597
1678	22665.6	18.0965	0.724	0.480	1.502	0.013	0.006	1.598
1679	22699.0	18.1258	0.722	0.479	1.503	0.013	0.006	1.599
1680	22732.4	18.1551	0.721	0.478	1.504	0.013	0.006	1.600
1681	22765.9	18.1845	0.719	0.477	1.504	0.013	0.006	1.602
1682	22799.5	18.2139	0.717	0.476	1.505	0.012	0.006	1.603
1683	22833.1	18.2434	0.716	0.476	1.506	0.012	0.006	1.605
1684	22866.7	18.2729	0.714	0.475	1.506	0.012	0.006	1.607
1685	22900.4	18.3025	0.712	0.474	1.507	0.012	0.006	1.607
1686	22934.2	18.3321	0.711	0.473	1.507	0.012	0.006	1.597
1687	22968.0	18.3618	0.709	0.472	1.508	0.012	0.006	1.593
1688	23001.9	18.3915	0.707	0.472	1.509	0.012	0.006	1.595
1689	23035.8	18.4213	0.706	0.471	1.509	0.012	0.006	1.597
1690	23069.7	18.4511	0.704	0.470	1.510	0.012	0.005	1.598
1691	23103.8	18.4810	0.702	0.469	1.511	0.012	0.005	1.600
1692	23137.8	18.5109	0.701	0.468	1.511	0.012	0.005	1.602
1693	23172.0	18.5408	0.699	0.468	1.512	0.012	0.005	1.603
1694	23206.1	18.5708	0.698	0.467	1.512	0.012	0.005	1.604
1695	23240.4	18.6009	0.696	0.466	1.513	0.012	0.005	1.605
1696	23274.7	18.6310	0.694	0.465	1.514	0.012	0.005	1.606
1697	23309.0	18.6612	0.693	0.464	1.514	0.012	0.005	1.607
1698	23343.4	18.6914	0.691	0.464	1.515	0.012	0.005	1.608
1699	23377.8	18.7216	0.689	0.463	1.515	0.012	0.005	1.609
1700	23412.3	18.7519	0.688	0.462	1.516	0.011	0.005	1.609
1701	23446.9	18.7823	0.686	0.461	1.517	0.011	0.005	1.610
1702	23481.5	18.8127	0.685	0.461	1.517	0.011	0.005	1.610
1703	23516.2	18.8431	0.683	0.460	1.518	0.011	0.005	1.611
1704	23550.9	18.8736	0.681	0.459	1.519	0.011	0.005	1.612
1705	23585.7	18.9041	0.680	0.458	1.519	0.011	0.005	1.612
1706	23620.5	18.9347	0.678	0.457	1.520	0.011	0.005	1.613
1707	23655.4	18.9654	0.677	0.457	1.520	0.011	0.005	1.613
1708	23690.3	18.9961	0.675	0.456	1.521	0.011	0.005	1.614
1709	23725.3	19.0268	0.673	0.455	1.522	0.011	0.005	1.615
1710	23760.3	19.0576	0.672	0.454	1.522	0.011	0.005	1.615

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1711	23795.4	19.0884	0.670	0.454	1.523	0.011	0.005	1.616
1712	23830.6	19.1193	0.669	0.453	1.524	0.011	0.005	1.617
1713	23865.8	19.1503	0.667	0.452	1.524	0.011	0.005	1.618
1714	23901.1	19.1813	0.666	0.451	1.525	0.011	0.005	1.620
1715	23936.4	19.2123	0.664	0.451	1.526	0.011	0.005	1.621
1716	23971.8	19.2434	0.662	0.450	1.526	0.011	0.005	1.622
1717	24007.2	19.2745	0.661	0.449	1.527	0.011	0.005	1.624
1718	24042.7	19.3057	0.659	0.448	1.528	0.011	0.005	1.626
1719	24078.2	19.3369	0.658	0.448	1.528	0.010	0.005	1.627
1720	24113.7	19.3682	0.656	0.447	1.529	0.010	0.005	1.629
1721	24149.4	19.3995	0.655	0.446	1.529	0.010	0.005	1.629
1722	24185.0	19.4308	0.653	0.445	1.530	0.010	0.005	1.617
1723	24220.8	19.4622	0.652	0.444	1.531	0.010	0.005	1.612
1724	24256.5	19.4937	0.650	0.444	1.531	0.010	0.005	1.614
1725	24292.4	19.5252	0.649	0.443	1.532	0.010	0.005	1.616
1726	24328.2	19.5567	0.647	0.442	1.533	0.010	0.005	1.617
1727	24364.2	19.5883	0.645	0.441	1.533	0.010	0.005	1.619
1728	24400.1	19.6200	0.644	0.441	1.534	0.010	0.005	1.621
1729	24436.2	19.6516	0.642	0.440	1.535	0.010	0.005	1.622
1730	24472.2	19.6834	0.641	0.439	1.535	0.010	0.005	1.623
1731	24508.4	19.7151	0.639	0.438	1.536	0.010	0.005	1.624
1732	24544.6	19.7470	0.638	0.438	1.537	0.010	0.005	1.626
1733	24580.8	19.7788	0.636	0.437	1.537	0.010	0.005	1.627
1734	24617.1	19.8107	0.635	0.436	1.538	0.010	0.005	1.628
1735	24653.4	19.8427	0.633	0.436	1.538	0.010	0.005	1.628
1736	24689.8	19.8747	0.632	0.435	1.539	0.010	0.005	1.629
1737	24726.3	19.9068	0.630	0.434	1.540	0.010	0.005	1.630
1738	24762.8	19.9389	0.629	0.433	1.540	0.010	0.005	1.631
1739	24799.3	19.9710	0.627	0.433	1.541	0.010	0.005	1.632
1740	24835.9	20.0032	0.626	0.432	1.542	0.010	0.005	1.632
1741	24872.6	20.0355	0.624	0.431	1.542	0.009	0.004	1.633
1742	24909.3	20.0678	0.623	0.430	1.543	0.009	0.004	1.634
1743	24946.0	20.1001	0.621	0.430	1.544	0.009	0.004	1.635
1744	24982.8	20.1325	0.620	0.429	1.544	0.009	0.004	1.636
1745	25019.7	20.1649	0.619	0.428	1.545	0.009	0.004	1.636
1746	25056.1	20.1970	0.617	0.427	1.545	0.009	0.004	1.637
1747	25093.1	20.2295	0.616	0.427	1.546	0.009	0.004	1.639
1748	25130.1	20.2621	0.614	0.426	1.547	0.009	0.004	1.640
1749	25167.2	20.2947	0.613	0.425	1.547	0.009	0.004	1.641
1750	25204.3	20.3274	0.611	0.425	1.548	0.009	0.004	1.642
1751	25241.5	20.3601	0.610	0.424	1.549	0.009	0.004	1.644
1752	25278.7	20.3929	0.608	0.423	1.550	0.009	0.004	1.645
1753	25316.0	20.4257	0.607	0.422	1.550	0.009	0.004	1.647
1754	25353.3	20.4586	0.605	0.422	1.551	0.009	0.004	1.649
1755	25390.7	20.4915	0.604	0.421	1.552	0.009	0.004	1.651

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1756	25428.2	20.5244	0.603	0.420	1.552	0.009	0.004	1.652
1757	25465.7	20.5575	0.601	0.420	1.553	0.009	0.004	1.650
1758	25503.2	20.5905	0.600	0.419	1.554	0.009	0.004	1.636
1759	25540.8	20.6236	0.598	0.418	1.554	0.009	0.004	1.632
1760	25578.5	20.6568	0.597	0.417	1.555	0.009	0.004	1.633
1761	25616.2	20.6900	0.595	0.417	1.556	0.009	0.004	1.635
1762	25654.0	20.7232	0.594	0.416	1.556	0.009	0.004	1.637
1763	25691.8	20.7565	0.593	0.415	1.557	0.009	0.004	1.639
1764	25729.7	20.7899	0.591	0.415	1.558	0.008	0.004	1.640
1765	25767.6	20.8233	0.590	0.414	1.558	0.008	0.004	1.642
1766	25805.6	20.8568	0.588	0.413	1.559	0.008	0.004	1.643
1767	25843.6	20.8903	0.587	0.412	1.559	0.008	0.004	1.644
1768	25881.7	20.9238	0.586	0.412	1.560	0.008	0.004	1.646
1769	25919.8	20.9574	0.584	0.411	1.561	0.008	0.004	1.647
1770	25958.0	20.9911	0.583	0.410	1.561	0.008	0.004	1.648
1771	25996.3	21.0247	0.581	0.410	1.562	0.008	0.004	1.649
1772	26034.6	21.0585	0.580	0.409	1.563	0.008	0.004	1.650
1773	26073.0	21.0923	0.579	0.408	1.563	0.008	0.004	1.651
1774	26111.4	21.1261	0.577	0.408	1.564	0.008	0.004	1.652
1775	26149.9	21.1600	0.576	0.407	1.565	0.008	0.004	1.653
1776	26188.4	21.1940	0.575	0.406	1.565	0.008	0.004	1.654
1777	26227.0	21.2280	0.573	0.405	1.566	0.008	0.004	1.655
1778	26265.6	21.2620	0.572	0.405	1.567	0.008	0.004	1.656
1779	26304.3	21.2961	0.570	0.404	1.567	0.008	0.004	1.657
1780	26343.1	21.3303	0.569	0.403	1.568	0.008	0.004	1.658
1781	26381.9	21.3645	0.568	0.403	1.569	0.008	0.004	1.659
1782	26420.7	21.3987	0.566	0.402	1.569	0.008	0.004	1.660
1783	26459.7	21.4330	0.565	0.401	1.570	0.008	0.004	1.662
1784	26498.6	21.4673	0.564	0.401	1.571	0.008	0.004	1.663
1785	26537.7	21.5017	0.562	0.400	1.571	0.008	0.004	1.664
1786	26576.7	21.5362	0.561	0.399	1.572	0.008	0.004	1.666
1787	26615.9	21.5707	0.560	0.399	1.573	0.008	0.004	1.667
1788	26655.1	21.6052	0.558	0.398	1.573	0.008	0.004	1.669
1789	26694.3	21.6398	0.557	0.397	1.574	0.008	0.004	1.671
1790	26733.6	21.6745	0.556	0.397	1.575	0.008	0.004	1.672
1791	26773.0	21.7092	0.555	0.396	1.575	0.007	0.004	1.674
1792	26812.4	21.7439	0.553	0.395	1.576	0.007	0.004	1.676
1793	26851.9	21.7787	0.552	0.395	1.577	0.007	0.004	1.678
1794	26891.4	21.8136	0.551	0.394	1.577	0.007	0.004	1.672
1795	26931.0	21.8485	0.549	0.393	1.578	0.007	0.004	1.656
1796	26970.7	21.8835	0.548	0.393	1.579	0.007	0.004	1.653
1797	27010.4	21.9185	0.547	0.392	1.580	0.007	0.004	1.655
1798	27050.1	21.9535	0.545	0.391	1.580	0.007	0.004	1.657
1799	27090.0	21.9886	0.544	0.390	1.581	0.007	0.004	1.659
1800	27129.8	22.0238	0.543	0.390	1.582	0.007	0.004	1.660

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1801	27169.8	22.0590	0.542	0.389	1.582	0.007	0.004	1.662
1802	27209.8	22.0943	0.540	0.388	1.583	0.007	0.004	1.663
1803	27249.8	22.1296	0.539	0.388	1.584	0.007	0.004	1.665
1804	27289.9	22.1650	0.538	0.387	1.584	0.007	0.004	1.666
1805	27330.1	22.2004	0.536	0.386	1.585	0.007	0.003	1.667
1806	27370.3	22.2359	0.535	0.386	1.586	0.007	0.003	1.669
1807	27410.6	22.2714	0.534	0.385	1.586	0.007	0.003	1.670
1808	27450.9	22.3070	0.533	0.385	1.587	0.007	0.003	1.671
1809	27491.3	22.3426	0.531	0.384	1.588	0.007	0.003	1.672
1810	27531.7	22.3783	0.530	0.383	1.588	0.007	0.003	1.674
1811	27572.2	22.4140	0.529	0.383	1.589	0.007	0.003	1.675
1812	27612.8	22.4498	0.528	0.382	1.590	0.007	0.003	1.676
1813	27653.4	22.4856	0.526	0.381	1.590	0.007	0.003	1.677
1814	27694.1	22.5215	0.525	0.381	1.591	0.007	0.003	1.679
1815	27734.8	22.5575	0.524	0.380	1.592	0.007	0.003	1.680
1816	27775.6	22.5935	0.523	0.379	1.592	0.007	0.003	1.681
1817	27816.5	22.6295	0.521	0.379	1.593	0.007	0.003	1.682
1818	27857.4	22.6656	0.520	0.378	1.594	0.007	0.003	1.684
1819	27898.4	22.7018	0.519	0.377	1.594	0.007	0.003	1.685
1820	27939.4	22.7380	0.518	0.377	1.595	0.007	0.003	1.687
1821	27980.5	22.7742	0.517	0.376	1.596	0.006	0.003	1.688
1822	28021.6	22.8105	0.515	0.375	1.596	0.006	0.003	1.690
1823	28062.8	22.8469	0.514	0.375	1.597	0.006	0.003	1.691
1824	28104.1	22.8833	0.513	0.374	1.598	0.006	0.003	1.693
1825	28145.4	22.9198	0.512	0.373	1.598	0.006	0.003	1.695
1826	28186.8	22.9563	0.510	0.373	1.599	0.006	0.003	1.697
1827	28228.3	22.9929	0.509	0.372	1.600	0.006	0.003	1.699
1828	28269.8	23.0296	0.508	0.371	1.601	0.006	0.003	1.701
1829	28311.3	23.0662	0.507	0.371	1.601	0.006	0.003	1.703
1830	28353.0	23.1030	0.506	0.370	1.602	0.006	0.003	1.689
1831	28394.6	23.1398	0.504	0.370	1.603	0.006	0.003	1.672
1832	28436.4	23.1766	0.503	0.369	1.603	0.006	0.003	1.674
1833	28478.2	23.2135	0.502	0.368	1.604	0.006	0.003	1.676
1834	28520.0	23.2505	0.501	0.368	1.605	0.006	0.003	1.677
1835	28562.0	23.2875	0.500	0.367	1.605	0.006	0.003	1.679
1836	28603.9	23.3246	0.498	0.366	1.606	0.006	0.003	1.681
1837	28646.0	23.3617	0.497	0.366	1.607	0.006	0.003	1.683
1838	28688.1	23.3989	0.496	0.365	1.607	0.006	0.003	1.684
1839	28730.2	23.4361	0.495	0.365	1.608	0.006	0.003	1.686
1840	28772.5	23.4734	0.494	0.364	1.609	0.006	0.003	1.687
1841	28814.7	23.5107	0.492	0.363	1.609	0.006	0.003	1.689
1842	28857.1	23.5481	0.491	0.363	1.610	0.006	0.003	1.690
1843	28899.5	23.5856	0.490	0.362	1.611	0.006	0.003	1.692
1844	28941.9	23.6231	0.489	0.361	1.611	0.006	0.003	1.693
1845	28984.5	23.6606	0.488	0.361	1.612	0.006	0.003	1.695

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE ******* MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	**** DYNAMIC PRESSURE *** MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1846	29027.1	23.6982	0.487	0.360	1.613	0.006	0.003	1.696
1847	29069.7	23.7359	0.485	0.359	1.614	0.006	0.003	1.697
1848	29112.4	23.7736	0.484	0.359	1.614	0.006	0.003	1.699
1849	29155.2	23.8114	0.483	0.358	1.615	0.006	0.003	1.700
1850	29198.0	23.8493	0.482	0.358	1.616	0.006	0.003	1.702
1851	29240.9	23.8871	0.481	0.357	1.616	0.006	0.003	1.703
1852	29283.8	23.9251	0.480	0.356	1.617	0.006	0.003	1.705
1853	29326.9	23.9631	0.479	0.356	1.618	0.006	0.003	1.706
1854	29369.9	24.0011	0.477	0.355	1.618	0.006	0.003	1.708
1855	29413.1	24.0393	0.476	0.355	1.619	0.006	0.003	1.709
1856	29456.3	24.0774	0.475	0.354	1.620	0.005	0.003	1.711
1857	29499.5	24.1156	0.474	0.353	1.620	0.005	0.003	1.713
1858	29542.9	24.1539	0.473	0.353	1.621	0.005	0.003	1.714
1859	29586.2	24.1923	0.472	0.352	1.622	0.005	0.003	1.716
1860	29629.7	24.2307	0.471	0.351	1.622	0.005	0.003	1.718
1861	29673.2	24.2691	0.470	0.351	1.623	0.005	0.003	1.720
1862	29716.8	24.3076	0.468	0.350	1.624	0.005	0.003	1.722
1863	29760.4	24.3462	0.467	0.350	1.624	0.005	0.003	1.724
1864	29804.1	24.3848	0.466	0.349	1.625	0.005	0.003	1.726
1865	29847.8	24.4235	0.465	0.348	1.626	0.005	0.003	1.724
1866	29891.7	24.4622	0.464	0.348	1.626	0.005	0.003	1.704
1867	29935.6	24.5010	0.463	0.347	1.627	0.005	0.003	1.693
1868	29979.5	24.5398	0.462	0.347	1.628	0.005	0.003	1.695
1869	30023.5	24.5787	0.461	0.346	1.629	0.005	0.003	1.697
1870	30067.6	24.6177	0.459	0.345	1.629	0.005	0.003	1.698
1871	30111.7	24.6567	0.458	0.345	1.630	0.005	0.003	1.700
1872	30155.9	24.6958	0.457	0.344	1.631	0.005	0.003	1.702
1873	30200.2	24.7349	0.456	0.344	1.631	0.005	0.003	1.704
1874	30244.5	24.7741	0.455	0.343	1.632	0.005	0.003	1.706
1875	30288.9	24.8133	0.454	0.342	1.633	0.005	0.003	1.707
1876	30333.3	24.8526	0.453	0.342	1.633	0.005	0.003	1.709
1877	30377.9	24.8920	0.452	0.341	1.634	0.005	0.003	1.711
1878	30422.4	24.9314	0.451	0.341	1.635	0.005	0.003	1.712
1879	30467.1	24.9709	0.450	0.340	1.635	0.005	0.003	1.714
1880	30511.8	25.0104	0.449	0.339	1.636	0.005	0.003	1.715
1881	30556.6	25.0500	0.448	0.339	1.637	0.005	0.003	1.717
1882	30601.4	25.0897	0.446	0.338	1.637	0.005	0.003	1.719
1883	30646.3	25.1294	0.445	0.338	1.638	0.005	0.003	1.720
1884	30691.3	25.1691	0.444	0.337	1.639	0.005	0.003	1.722
1885	30736.3	25.2090	0.443	0.336	1.639	0.005	0.003	1.723
1886	30781.4	25.2488	0.442	0.336	1.640	0.005	0.003	1.725
1887	30826.5	25.2888	0.441	0.335	1.641	0.005	0.003	1.727
1888	30871.8	25.3288	0.440	0.335	1.641	0.005	0.003	1.728
1889	30917.1	25.3688	0.439	0.334	1.642	0.005	0.002	1.730
1890	30962.4	25.4089	0.438	0.334	1.643	0.005	0.002	1.732

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1891	31007.8	25.4491	0.437	0.333	1.643	0.005	0.002	1.734
1892	31053.3	25.4893	0.436	0.332	1.644	0.005	0.002	1.735
1893	31098.8	25.5296	0.435	0.332	1.645	0.005	0.002	1.737
1894	31144.5	25.5700	0.434	0.331	1.645	0.005	0.002	1.739
1895	31190.1	25.6104	0.431	0.331	1.646	0.005	0.002	1.741
1896	31235.3	25.6503	0.432	0.330	1.647	0.005	0.002	1.743
1897	31281.1	25.6909	0.431	0.329	1.647	0.005	0.002	1.745
1898	31327.0	25.7314	0.430	0.329	1.648	0.004	0.002	1.747
1899	31372.9	25.7721	0.429	0.328	1.649	0.004	0.002	1.749
1900	31418.9	25.8128	0.427	0.328	1.649	0.004	0.002	1.751
1901	31465.0	25.8536	0.426	0.327	1.650	0.004	0.002	1.739
1902	31511.1	25.8944	0.425	0.327	1.651	0.004	0.002	1.718
1903	31557.3	25.9353	0.424	0.326	1.651	0.004	0.002	1.714
1904	31603.6	25.9762	0.423	0.325	1.652	0.004	0.002	1.716
1905	31649.9	26.0172	0.422	0.325	1.653	0.004	0.002	1.718
1906	31696.3	26.0583	0.421	0.324	1.653	0.004	0.002	1.720
1907	31742.8	26.0994	0.420	0.324	1.654	0.004	0.002	1.722
1908	31789.3	26.1406	0.419	0.323	1.655	0.004	0.002	1.724
1909	31835.9	26.1818	0.418	0.323	1.655	0.004	0.002	1.726
1910	31882.6	26.2231	0.417	0.322	1.656	0.004	0.002	1.727
1911	31929.3	26.2645	0.416	0.321	1.657	0.004	0.002	1.729
1912	31976.1	26.3059	0.415	0.321	1.657	0.004	0.002	1.731
1913	32023.0	26.3474	0.414	0.320	1.658	0.004	0.002	1.733
1914	32069.9	26.3890	0.413	0.320	1.659	0.004	0.002	1.735
1915	32116.9	26.4306	0.412	0.319	1.659	0.004	0.002	1.736
1916	32164.0	26.4722	0.411	0.319	1.660	0.004	0.002	1.738
1917	32211.2	26.5140	0.410	0.318	1.661	0.004	0.002	1.740
1918	32258.4	26.5557	0.409	0.317	1.661	0.004	0.002	1.742
1919	32305.6	26.5976	0.408	0.317	1.662	0.004	0.002	1.743
1920	32353.0	26.6395	0.407	0.316	1.663	0.004	0.002	1.745
1921	32400.4	26.6815	0.406	0.316	1.663	0.004	0.002	1.747
1922	32447.9	26.7235	0.405	0.315	1.664	0.004	0.002	1.749
1923	32495.4	26.7656	0.404	0.315	1.665	0.004	0.002	1.751
1924	32543.0	26.8078	0.403	0.314	1.665	0.004	0.002	1.752
1925	32590.7	26.8500	0.402	0.314	1.666	0.004	0.002	1.754
1926	32638.5	26.8923	0.401	0.313	1.667	0.004	0.002	1.756
1927	32686.3	26.9346	0.400	0.312	1.667	0.004	0.002	1.758
1928	32734.2	26.9770	0.399	0.312	1.668	0.004	0.002	1.760
1929	32782.1	27.0195	0.398	0.311	1.669	0.004	0.002	1.762
1930	32830.1	27.0620	0.397	0.311	1.669	0.004	0.002	1.764
1931	32878.2	27.1046	0.396	0.310	1.670	0.004	0.002	1.766
1932	32926.4	27.1473	0.396	0.310	1.670	0.004	0.002	1.768
1933	32974.6	27.1900	0.395	0.309	1.671	0.004	0.002	1.770
1934	33022.9	27.2327	0.394	0.309	1.672	0.004	0.002	1.772
1935	33071.3	27.2756	0.393	0.308	1.672	0.004	0.002	1.775

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1936	33119.7	27.3185	0.392	0.307	1.673	0.004	0.002	1.774
1937	33168.2	27.3615	0.391	0.307	1.674	0.004	0.002	1.751
1938	33216.8	27.4045	0.390	0.306	1.674	0.004	0.002	1.734
1939	33265.5	27.4476	0.389	0.306	1.675	0.004	0.002	1.736
1940	33314.2	27.4907	0.388	0.305	1.676	0.004	0.002	1.738
1941	33363.0	27.5339	0.387	0.305	1.676	0.004	0.002	1.740
1942	33411.8	27.5772	0.386	0.304	1.677	0.004	0.002	1.742
1943	33460.8	27.6206	0.385	0.304	1.678	0.004	0.002	1.744
1944	33509.7	27.6640	0.384	0.303	1.678	0.004	0.002	1.746
1945	33558.8	27.7074	0.383	0.303	1.679	0.004	0.002	1.748
1946	33608.0	27.7510	0.382	0.302	1.680	0.004	0.002	1.750
1947	33657.2	27.7946	0.381	0.301	1.680	0.004	0.002	1.752
1948	33706.4	27.8382	0.380	0.301	1.681	0.004	0.002	1.754
1949	33755.8	27.8820	0.379	0.300	1.682	0.004	0.002	1.756
1950	33805.2	27.9258	0.378	0.300	1.682	0.003	0.002	1.757
1951	33854.7	27.9696	0.378	0.299	1.683	0.003	0.002	1.759
1952	33904.3	28.0135	0.377	0.299	1.684	0.003	0.002	1.761
1953	33953.9	28.0575	0.376	0.298	1.684	0.003	0.002	1.763
1954	34003.6	28.1016	0.375	0.298	1.685	0.003	0.002	1.765
1955	34053.4	28.1457	0.374	0.297	1.685	0.003	0.002	1.767
1956	34103.2	28.1898	0.373	0.297	1.686	0.003	0.002	1.769
1957	34153.1	28.2341	0.372	0.296	1.687	0.003	0.002	1.771
1958	34203.1	28.2784	0.371	0.296	1.687	0.003	0.002	1.773
1959	34253.2	28.3227	0.370	0.295	1.688	0.003	0.002	1.775
1960	34303.3	28.3672	0.369	0.294	1.688	0.003	0.002	1.777
1961	34353.5	28.4117	0.368	0.294	1.689	0.003	0.002	1.779
1962	34403.8	28.4562	0.367	0.293	1.690	0.003	0.002	1.781
1963	34454.2	28.5009	0.367	0.293	1.690	0.003	0.002	1.783
1964	34504.6	28.5456	0.366	0.292	1.691	0.003	0.002	1.785
1965	34555.1	28.5903	0.365	0.292	1.692	0.003	0.002	1.787
1966	34605.6	28.6351	0.364	0.291	1.692	0.003	0.002	1.789
1967	34656.3	28.6800	0.363	0.291	1.693	0.003	0.002	1.792
1968	34707.0	28.7250	0.362	0.290	1.693	0.003	0.002	1.794
1969	34757.8	28.7700	0.361	0.290	1.694	0.003	0.002	1.796
1970	34808.6	28.8151	0.360	0.289	1.695	0.003	0.002	1.798
1971	34859.5	28.8602	0.359	0.289	1.695	0.003	0.002	1.784
1972	34910.6	28.9055	0.359	0.288	1.696	0.003	0.002	1.758
1973	34961.6	28.9507	0.358	0.288	1.697	0.003	0.002	1.754
1974	35012.8	28.9961	0.357	0.287	1.697	0.003	0.002	1.756
1975	35064.0	29.0415	0.356	0.287	1.698	0.003	0.002	1.758
1976	35115.3	29.0870	0.355	0.286	1.699	0.003	0.002	1.761
1977	35166.7	29.1325	0.354	0.286	1.699	0.003	0.002	1.763
1978	35218.1	29.1782	0.353	0.285	1.700	0.003	0.002	1.765
1979	35269.6	29.2238	0.352	0.284	1.700	0.003	0.002	1.767
1980	35321.2	29.2696	0.352	0.284	1.701	0.003	0.002	1.769

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
1981	35372.9	29.3154	0.351	0.283	1.702	0.003	0.002	1.771
1982	35424.6	29.3613	0.350	0.283	1.702	0.003	0.002	1.773
1983	35476.4	29.4072	0.349	0.282	1.703	0.003	0.002	1.775
1984	35528.3	29.4532	0.348	0.282	1.704	0.003	0.002	1.777
1985	35580.3	29.4993	0.347	0.281	1.704	0.003	0.002	1.779
1986	35632.3	29.5455	0.346	0.281	1.705	0.003	0.002	1.781
1987	35684.4	29.5917	0.345	0.280	1.705	0.003	0.002	1.783
1988	35736.6	29.6380	0.345	0.280	1.706	0.003	0.002	1.785
1989	35788.9	29.6843	0.344	0.279	1.707	0.003	0.002	1.787
1990	35841.2	29.7308	0.343	0.279	1.707	0.003	0.002	1.789
1991	35893.6	29.7772	0.342	0.278	1.708	0.003	0.002	1.791
1992	35946.1	29.8238	0.341	0.278	1.708	0.003	0.002	1.793
1993	35998.7	29.8704	0.340	0.277	1.709	0.003	0.002	1.795
1994	36051.3	29.9171	0.339	0.277	1.710	0.003	0.002	1.798
1995	36104.0	29.9639	0.339	0.276	1.710	0.003	0.002	1.800
1996	36156.8	30.0107	0.338	0.276	1.711	0.003	0.002	1.802
1997	36209.7	30.0576	0.337	0.275	1.711	0.003	0.002	1.804
1998	36262.6	30.1046	0.336	0.275	1.712	0.003	0.002	1.806
1999	36315.6	30.1516	0.335	0.274	1.713	0.003	0.002	1.809
2000	36368.7	30.1987	0.334	0.274	1.713	0.003	0.002	1.811
2001	36421.9	30.2459	0.334	0.273	1.714	0.003	0.002	1.813
2002	36475.1	30.2931	0.333	0.273	1.714	0.003	0.002	1.815
2003	36528.4	30.3404	0.332	0.272	1.715	0.003	0.002	1.818
2004	36581.8	30.3878	0.331	0.272	1.716	0.003	0.002	1.813
2005	36635.3	30.4352	0.330	0.271	1.716	0.003	0.002	1.786
2006	36688.8	30.4828	0.329	0.271	1.717	0.003	0.002	1.771
2007	36742.5	30.5303	0.329	0.270	1.717	0.003	0.002	1.773
2008	36796.2	30.5780	0.328	0.270	1.718	0.003	0.002	1.775
2009	36850.0	30.6257	0.327	0.269	1.719	0.003		
2010	36903.8	30.6735	0.326			0.003		
2011	36957.7	30.7214	0.325			0.003		
2012	37011.8	30.7693	0.325			0.003		
2013	37065.8	30.8173	0.324			0.003		
2014	37120.0	30.8654	0.323			0.003		
2015	37174.3	30.9135	0.322			0.003		
2016	37228.6	30.9618	0.321			0.003		
2017	37283.0	31.0100	0.321			0.003		
2018	37337.5	31.0584	0.320			0.002		
2019	37392.0	31.1068	0.319			0.002		
2020	37446.6	31.1553	0.318			0.002		
2021	37501.4	31.2039	0.317			0.002		
2022	37556.2	31.2525	0.317			0.002		
2023	37611.0	31.3012	0.316			0.002		
2024	37666.0	31.3500	0.315			0.002		
2025	37721.0	31.3989	0.314			0.002		

ITEM	GROUND RANGE (FT)	BLAST ARRIVAL TIME (SEC)	******* OVERPRESSURE *******			**** DYNAMIC PRESSURE ***		
			MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)	MAX. PRESSURE (PSI)	POSITIVE IMPULSE (PSI-SEC)	POSITIVE DURATION (SEC)
2026	37776.1	31.4478	0.313			0.002		
2027	37831.3	31.4968	0.313			0.002		
2028	37886.6	31.5458	0.312			0.002		
2029	37941.9	31.5950	0.311			0.002		
2030	37997.3	31.6442	0.310			0.002		
2031	38052.8	31.6935	0.309			0.002		
2032	38108.4	31.7428	0.309			0.002		
2033	38164.1	31.7922	0.308			0.002		
2034	38219.8	31.8417	0.307			0.002		
2035	38275.6	31.8913	0.306			0.002		
2036	38331.5	31.9409	0.306			0.002		
2037	38387.5	31.9906	0.305			0.002		
2038	38443.6	32.0404	0.304			0.002		
2039	38499.7	32.0903	0.303			0.002		
2040	38556.0	32.1402	0.302			0.002		
2041	38612.3	32.1902	0.302			0.002		
2042	38668.6	32.2403	0.301			0.002		
2043	38725.1	32.2904	0.300			0.002		
2044	38781.7	32.3407	0.299			0.002		
2045	38838.3	32.3910	0.295			0.002		

Table 8. Triple point time history for a 40-KT burst at 1026-ft altitude.

(CASE 4)

REFLECT-4B RUN 84-4

TRIPLE POINT FOR 40-KT AT 1026-FT HOB REFLECT-4B RUN 84-6

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
887.5	0.0	0.3041	887.9	0.0	0.3042	888.2	0.0	0.3043	888.5	0.0	0.3044
888.8	0.0	0.3045	889.1	0.0	0.3046	889.4	0.0	0.3047	889.7	0.0	0.3048
890.0	0.0	0.3049	890.3	0.0	0.3050	890.6	0.0	0.3051	890.9	0.0	0.3051
891.2	0.0	0.3052	891.5	0.0	0.3053	891.8	0.0	0.3054	892.1	0.0	0.3055
892.4	0.0	0.3056	892.8	0.0	0.3057	893.1	0.0	0.3058	893.4	0.0	0.3059
893.7	0.0	0.3060	894.0	0.0	0.3061	894.3	0.0	0.3062	894.6	0.0	0.3063
894.9	0.0	0.3063	895.2	0.0	0.3064	895.5	0.0	0.3065	895.8	0.0	0.3066
896.1	0.0	0.3067	896.4	0.0	0.3068	896.7	0.0	0.3069	897.0	0.1	0.3070
897.3	0.1	0.3071	897.6	0.1	0.3072	898.0	0.1	0.3073	898.3	0.1	0.3074
898.7	0.1	0.3075	899.1	0.1	0.3076	899.5	0.1	0.3078	899.8	0.1	0.3079
900.2	0.1	0.3080	900.6	0.1	0.3081	900.9	0.1	0.3082	901.3	0.1	0.3083
901.7	0.1	0.3084	902.1	0.1	0.3086	902.4	0.1	0.3087	902.8	0.1	0.3088
903.2	0.1	0.3089	903.5	0.1	0.3090	903.9	0.1	0.3091	904.3	0.1	0.3092
904.6	0.1	0.3094	905.0	0.1	0.3095	905.4	0.1	0.3096	905.8	0.1	0.3097
906.1	0.1	0.3098	906.5	0.1	0.3099	906.9	0.1	0.3101	907.2	0.1	0.3102
907.6	0.1	0.3103	908.0	0.1	0.3104	908.3	0.1	0.3105	908.7	0.1	0.3106
909.1	0.1	0.3107	909.4	0.1	0.3109	909.8	0.1	0.3110	910.2	0.1	0.3111
910.6	0.1	0.3112	910.9	0.1	0.3113	911.3	0.1	0.3114	911.7	0.1	0.3116
912.1	0.1	0.3117	912.5	0.1	0.3118	912.8	0.2	0.3119	913.2	0.2	0.3120
913.6	0.2	0.3121	914.0	0.2	0.3122	914.3	0.2	0.3124	914.7	0.2	0.3125
915.1	0.2	0.3126	915.5	0.2	0.3127	915.9	0.2	0.3128	916.2	0.2	0.3129
916.6	0.3	0.3131	917.0	0.3	0.3132	917.4	0.3	0.3133	917.8	0.3	0.3134
918.2	0.3	0.3135	918.5	0.3	0.3136	918.9	0.3	0.3138	919.3	0.3	0.3139
919.7	0.3	0.3140	920.1	0.3	0.3141	920.4	0.4	0.3142	920.8	0.4	0.3144
921.2	0.4	0.3145	921.6	0.4	0.3146	922.0	0.4	0.3147	922.4	0.4	0.3148
922.8	0.4	0.3149	923.1	0.4	0.3151	923.5	0.4	0.3152	923.9	0.5	0.3153
924.3	0.5	0.3154	924.7	0.5	0.3155	925.1	0.5	0.3157	925.4	0.5	0.3158
925.8	0.5	0.3159	926.2	0.5	0.3160	926.6	0.5	0.3161	927.1	0.5	0.3163
927.5	0.6	0.3164	928.0	0.6	0.3166	928.4	0.6	0.3167	928.9	0.6	0.3168
929.4	0.6	0.3170	929.8	0.6	0.3171	930.3	0.6	0.3173	930.7	0.6	0.3174
931.2	0.6	0.3176	931.6	0.6	0.3177	932.1	0.7	0.3178	932.6	0.7	0.3180
933.0	0.7	0.3181	933.5	0.7	0.3183	934.0	0.7	0.3184	934.4	0.7	0.3186
934.9	0.8	0.3187	935.4	0.8	0.3188	935.8	0.8	0.3190	936.3	0.8	0.3191
936.7	0.8	0.3193	937.2	0.8	0.3194	937.7	0.8	0.3196	938.1	0.8	0.3197
938.6	0.8	0.3199	939.1	0.9	0.3200	939.6	0.9	0.3202	940.0	0.9	0.3203
940.5	0.9	0.3204	941.0	0.9	0.3206	941.4	0.9	0.3207	941.9	1.0	0.3209
942.4	1.0	0.3210	942.8	1.0	0.3212	943.3	1.0	0.3213	943.8	1.0	0.3215
944.2	1.0	0.3216	944.7	1.0	0.3218	945.2	1.0	0.3219	945.6	1.0	0.3221
946.1	1.1	0.3222	946.6	1.1	0.3224	947.1	1.1	0.3225	947.6	1.1	0.3227
948.1	1.1	0.3228	948.5	1.2	0.3230	949.0	1.2	0.3231	949.5	1.2	0.3233
949.9	1.2	0.3234	950.4	1.2	0.3236	950.9	1.2	0.3237	951.4	1.2	0.3239
951.8	1.2	0.3240	952.3	1.3	0.3242	952.8	1.3	0.3243	953.3	1.3	0.3245
953.8	1.3	0.3246	954.3	1.3	0.3248	954.7	1.4	0.3249	955.2	1.4	0.3251
955.7	1.4	0.3252	956.2	1.4	0.3254	956.7	1.4	0.3255	957.2	1.4	0.3257
957.6	1.4	0.3259	958.1	1.5	0.3260	958.6	1.5	0.3262	959.1	1.5	0.3263
959.6	1.5	0.3265	960.1	1.5	0.3266	960.6	1.6	0.3268	961.1	1.6	0.3269
961.6	1.6	0.3271	962.1	1.6	0.3273	962.5	1.6	0.3274	963.0	1.6	0.3276
963.5	1.6	0.3277	964.0	1.7	0.3279	964.5	1.7	0.3280	965.0	1.7	0.3282
965.5	1.7	0.3284	966.0	1.7	0.3285	966.5	1.7	0.3287	967.0	1.8	0.3288
967.5	1.8	0.3290	968.0	1.8	0.3291	968.5	1.8	0.3293	969.0	1.8	0.3295

TRIPLE POINT FOR 40-KT AT 1026-FT HOB REFLECT-4B RUN 84-6

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
970.0	1.9	0.3298	970.5	1.9	0.3299	971.0	1.9	0.3301	971.5	1.9	0.3303
972.0	1.9	0.3304	972.5	2.0	0.3306	973.0	2.0	0.3307	973.5	2.0	0.3309
974.0	2.0	0.3311	974.5	2.0	0.3312	975.0	2.1	0.3314	975.5	2.1	0.3316
976.0	2.1	0.3317	976.5	2.1	0.3319	977.0	2.1	0.3320	977.5	2.1	0.3322
978.0	2.2	0.3324	978.5	2.2	0.3325	979.0	2.2	0.3327	979.6	2.2	0.3329
980.1	2.2	0.3330	980.6	2.2	0.3332	981.1	2.3	0.3334	981.6	2.3	0.3335
982.1	2.3	0.3337	982.6	2.3	0.3338	983.1	2.4	0.3340	983.7	2.4	0.3342
984.2	2.4	0.3343	984.7	2.4	0.3345	985.2	2.4	0.3347	985.7	2.4	0.3348
986.2	2.5	0.3350	986.9	2.5	0.3352	987.6	2.5	0.3355	988.4	2.6	0.3357
989.2	2.6	0.3360	990.0	2.6	0.3362	990.7	2.6	0.3365	991.5	2.7	0.3367
992.3	2.7	0.3370	993.1	2.7	0.3372	993.8	2.7	0.3375	994.6	2.8	0.3377
995.4	2.8	0.3380	996.1	2.8	0.3383	996.9	2.8	0.3385	997.7	2.8	0.3388
998.5	2.9	0.3390	999.2	2.9	0.3393	1000.0	2.9	0.3395	1000.8	2.9	0.3398
1001.6	3.0	0.3401	1002.4	3.0	0.3403	1003.1	3.0	0.3406	1004.0	3.1	0.3408
1004.8	3.1	0.3411	1005.6	3.2	0.3414	1006.4	3.2	0.3416	1007.2	3.2	0.3419
1008.0	3.3	0.3422	1008.8	3.3	0.3424	1009.6	3.3	0.3427	1010.4	3.4	0.3429
1011.2	3.4	0.3432	1012.0	3.5	0.3435	1012.9	3.5	0.3437	1013.7	3.5	0.3440
1014.5	3.6	0.3443	1015.3	3.6	0.3446	1016.1	3.6	0.3448	1016.9	3.7	0.3451
1017.7	3.7	0.3454	1018.6	3.7	0.3456	1019.4	3.8	0.3459	1020.2	3.8	0.3462
1021.0	3.8	0.3465	1021.8	3.9	0.3467	1022.7	3.9	0.3470	1023.5	3.9	0.3473
1024.3	3.9	0.3476	1025.1	4.0	0.3478	1025.9	4.0	0.3481	1026.8	4.1	0.3484
1027.6	4.1	0.3487	1028.5	4.2	0.3490	1029.3	4.2	0.3492	1030.2	4.2	0.3495
1031.0	4.3	0.3498	1031.8	4.3	0.3501	1032.7	4.4	0.3504	1033.5	4.4	0.3507
1034.4	4.4	0.3509	1035.2	4.5	0.3512	1036.1	4.5	0.3515	1036.9	4.5	0.3518
1037.8	4.6	0.3521	1038.6	4.7	0.3524	1039.5	4.7	0.3527	1040.4	4.7	0.3529
1041.2	4.8	0.3532	1042.1	4.8	0.3535	1042.9	4.9	0.3538	1043.8	4.9	0.3541
1044.6	4.9	0.3544	1045.5	5.0	0.3547	1046.3	5.0	0.3550	1047.2	5.0	0.3553
1048.1	5.1	0.3556	1048.9	5.1	0.3559	1049.8	5.1	0.3562	1050.6	5.2	0.3565
1051.5	5.2	0.3567	1052.4	5.3	0.3570	1053.3	5.4	0.3573	1054.2	5.4	0.3576
1055.1	5.4	0.3579	1055.9	5.5	0.3582	1056.8	5.5	0.3585	1057.7	5.6	0.3588
1058.6	5.6	0.3591	1059.5	5.7	0.3594	1060.3	5.7	0.3598	1061.2	5.7	0.3601
1062.1	5.8	0.3604	1063.0	5.8	0.3607	1063.9	5.9	0.3610	1064.8	6.0	0.3613
1065.7	6.0	0.3616	1066.6	6.1	0.3619	1067.5	6.1	0.3622	1068.4	6.2	0.3625
1069.3	6.2	0.3628	1070.7	6.3	0.3633	1072.5	6.3	0.3639	1074.2	6.4	0.3645
1076.0	6.5	0.3652	1077.8	6.6	0.3658	1079.6	6.7	0.3664	1081.4	6.8	0.3670
1083.2	6.9	0.3677	1085.0	7.0	0.3683	1086.8	7.1	0.3689	1088.7	7.2	0.3696
1090.5	7.3	0.3702	1092.3	7.4	0.3708	1094.2	7.6	0.3715	1096.0	7.7	0.3721
1097.9	7.8	0.3728	1099.7	7.9	0.3734	1101.6	8.0	0.3741	1103.4	8.1	0.3747
1105.3	8.1	0.3754	1107.1	8.3	0.3761	1109.0	8.4	0.3767	1110.9	8.5	0.3774
1112.8	8.7	0.3780	1114.7	8.8	0.3787	1116.6	8.9	0.3794	1118.5	9.0	0.3801
1120.4	9.1	0.3808	1122.3	9.2	0.3815	1124.3	9.4	0.3821	1126.2	9.5	0.3828
1128.1	9.6	0.3835	1130.1	9.7	0.3842	1132.0	9.9	0.3849	1134.0	10.0	0.3856
1135.9	10.1	0.3863	1137.9	10.2	0.3871	1139.9	10.4	0.3877	1141.9	10.5	0.3885
1143.9	10.7	0.3892	1145.9	10.8	0.3899	1147.9	10.9	0.3906	1149.9	11.1	0.3914
1151.9	11.2	0.3921	1154.0	11.3	0.3929	1156.1	11.5	0.3936	1158.1	11.7	0.3944
1160.2	11.8	0.3951	1162.2	12.0	0.3959	1164.3	12.1	0.3966	1166.4	12.2	0.3974
1167.6	12.3	0.3978	1169.4	12.4	0.3985	1171.3	12.6	0.3992	1173.2	12.7	0.3999
1175.1	12.8	0.4006	1177.0	12.9	0.4013	1178.9	13.0	0.4020	1180.8	13.1	0.4028
1182.7	13.4	0.4035	1184.7	13.6	0.4042	1186.6	13.7	0.4049	1188.5	13.8	0.4056
1190.5	14.0	0.4063	1192.4	14.1	0.4071	1194.3	14.2	0.4078	1196.3	14.4	0.4085

TRIPLE POINT FOR 40-KT AT 1026-FT HOB REFLECT-4B RUN 84-6

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
1200.3	14.8	0.4100	1202.2	14.9	0.4107	1204.2	15.1	0.4115	1206.1	15.2	0.4122
1208.1	15.3	0.4129	1210.1	15.5	0.4137	1212.1	15.6	0.4144	1214.0	15.8	0.4152
1216.1	16.0	0.4160	1218.1	16.2	0.4167	1220.1	16.4	0.4175	1222.1	16.5	0.4182
1224.1	16.7	0.4190	1226.1	16.8	0.4198	1228.2	17.0	0.4205	1230.2	17.1	0.4213
1232.2	17.3	0.4221	1234.3	17.6	0.4229	1236.4	17.7	0.4237	1238.4	17.9	0.4244
1240.5	18.1	0.4252	1242.5	18.2	0.4260	1244.6	18.4	0.4268	1246.6	18.6	0.4276
1248.7	18.7	0.4284	1250.8	19.0	0.4292	1252.9	19.2	0.4300	1255.0	19.4	0.4308
1257.1	19.5	0.4317	1259.2	19.7	0.4325	1261.3	19.9	0.4333	1263.4	20.1	0.4341
1265.5	20.2	0.4349	1267.7	20.5	0.4358	1269.8	20.7	0.4366	1272.0	20.9	0.4374
1274.1	21.1	0.4383	1276.2	21.3	0.4391	1278.3	21.5	0.4399	1280.5	21.7	0.4408
1282.6	21.8	0.4416	1284.8	22.0	0.4425	1287.0	22.3	0.4433	1289.2	22.6	0.4442
1291.4	22.8	0.4451	1293.6	23.0	0.4459	1295.7	23.2	0.4468	1297.9	23.4	0.4477
1300.1	23.6	0.4485	1302.3	23.8	0.4494	1304.6	24.1	0.4503	1306.9	24.3	0.4512
1309.1	24.5	0.4521	1311.3	24.7	0.4530	1313.5	25.0	0.4539	1315.8	25.2	0.4548
1318.1	25.4	0.4557	1320.3	25.6	0.4566	1322.7	25.9	0.4575	1325.0	26.2	0.4584
1327.3	26.4	0.4593	1329.6	26.6	0.4603	1331.9	26.9	0.4612	1334.2	27.1	0.4622
1336.6	27.3	0.4631	1339.0	27.5	0.4641	1341.4	27.9	0.4651	1343.8	28.2	0.4660
1345.2	28.3	0.4666	1347.3	28.5	0.4675	1349.3	28.7	0.4683	1351.4	28.9	0.4692
1353.5	29.1	0.4700	1355.6	29.4	0.4709	1357.7	29.6	0.4717	1359.8	29.8	0.4726
1361.9	30.0	0.4735	1364.0	30.2	0.4743	1366.1	30.4	0.4752	1368.2	30.6	0.4761
1370.3	30.8	0.4770	1372.5	31.0	0.4779	1374.6	31.2	0.4788	1376.7	31.4	0.4796
1378.8	31.5	0.4806	1381.0	31.7	0.4815	1383.1	31.9	0.4824	1385.3	32.1	0.4833
1387.6	32.5	0.4842	1389.9	32.9	0.4851	1392.2	33.2	0.4860	1394.4	33.4	0.4870
1396.7	33.7	0.4879	1398.9	34.0	0.4889	1401.2	34.2	0.4898	1403.4	34.5	0.4907
1405.7	34.8	0.4917	1408.0	35.0	0.4927	1410.2	35.3	0.4936	1412.5	35.5	0.4946
1414.8	35.7	0.4956	1417.1	36.0	0.4965	1419.4	36.2	0.4975	1421.7	36.4	0.4985
1424.1	36.8	0.4995	1426.5	37.2	0.5005	1428.9	37.5	0.5015	1431.2	37.8	0.5025
1433.6	38.1	0.5035	1436.0	38.4	0.5045	1438.4	38.8	0.5055	1440.8	39.1	0.5065
1443.2	39.3	0.5076	1445.6	39.6	0.5086	1448.0	39.9	0.5096	1450.4	40.2	0.5107
1452.8	40.4	0.5117	1455.2	40.7	0.5128	1457.6	40.9	0.5138	1460.1	41.2	0.5149
1462.6	41.6	0.5160	1465.2	42.0	0.5170	1467.7	42.4	0.5181	1470.2	42.8	0.5192
1472.7	43.1	0.5203	1475.3	43.5	0.5214	1477.8	43.8	0.5225	1480.3	44.1	0.5236
1482.9	44.5	0.5247	1485.4	44.8	0.5258	1487.9	45.1	0.5269	1490.5	45.4	0.5280
1493.0	45.7	0.5291	1495.5	45.9	0.5303	1498.1	46.2	0.5314	1500.8	46.7	0.5325
1503.4	47.2	0.5337	1506.1	47.6	0.5348	1508.7	48.0	0.5360	1511.4	48.3	0.5371
1514.0	48.7	0.5383	1516.7	49.1	0.5395	1519.4	49.5	0.5406	1522.0	49.8	0.5418
1524.7	50.2	0.5430	1527.3	50.5	0.5442	1530.0	50.8	0.5454	1532.6	51.1	0.5466
1535.3	51.4	0.5478	1538.0	51.9	0.5490	1540.8	52.4	0.5502	1543.6	52.8	0.5515
1546.4	53.3	0.5527	1549.1	53.7	0.5539	1551.9	54.1	0.5551	1554.7	54.5	0.5564
1557.5	54.9	0.5576	1560.3	55.3	0.5589	1563.0	55.7	0.5602	1565.8	56.1	0.5614
1568.6	56.4	0.5627	1571.4	56.8	0.5640	1574.1	57.1	0.5653	1577.0	57.5	0.5665
1579.9	58.1	0.5678	1582.8	58.6	0.5691	1585.7	59.1	0.5704	1588.6	59.5	0.5718
1591.5	60.0	0.5731	1594.4	60.5	0.5744	1597.3	60.9	0.5757	1600.2	61.3	0.5770
1603.1	61.8	0.5784	1606.0	62.2	0.5797	1608.8	62.5	0.5810	1611.7	62.9	0.5824
1614.6	63.3	0.5837	1617.5	63.7	0.5851	1620.5	64.3	0.5864	1623.5	64.8	0.5878
1626.4	65.3	0.5892	1630.0	65.9	0.5908	1635.6	66.8	0.5934	1641.1	67.7	0.5960
1646.7	68.6	0.5986	1652.3	69.4	0.6012	1657.9	70.2	0.6039	1663.6	71.3	0.6065
1669.3	72.3	0.6092	1675.0	73.3	0.6119	1680.7	74.2	0.6146	1686.4	75.1	0.6173
1692.1	76.0	0.6200	1697.8	76.8	0.6228	1703.7	77.9	0.6255	1709.5	79.0	0.6283
1715.4	80.1	0.6311	1721.2	81.1	0.6339	1727.1	82.1	0.6367	1732.9	83.1	0.6396

TRIPLE POINT FOR 40-KT AT 1026-FT HOB REFLECT-4B RUN 84-6

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
1744.6	85.0	0.6453	1750.6	86.2	0.6482	1756.6	87.3	0.6511	1762.6	88.4	0.6540
1768.6	89.5	0.6569	1774.6	90.6	0.6599	1780.6	91.6	0.6628	1786.5	92.5	0.6658
1792.7	93.8	0.6698	1798.8	95.0	0.6718	1805.0	96.2	0.6748	1811.1	97.4	0.6779
1817.2	98.5	0.6810	1823.4	99.6	0.6840	1829.5	100.6	0.6871	1835.7	101.8	0.6902
1842.0	103.2	0.6934	1848.3	104.5	0.6965	1854.6	105.7	0.6997	1860.9	107.0	0.7029
1867.2	108.2	0.7061	1873.5	109.3	0.7093	1879.8	110.4	0.7126	1886.3	111.9	0.7158
1892.8	113.3	0.7191	1899.2	114.6	0.7224	1905.7	115.9	0.7257	1912.2	117.2	0.7291
1918.7	118.5	0.7324	1925.1	119.6	0.7358	1931.8	121.1	0.7392	1938.4	122.6	0.7426
1945.1	124.1	0.7461	1951.7	125.5	0.7495	1958.4	126.9	0.7530	1965.0	128.2	0.7565
1971.7	129.5	0.7601	1978.4	130.9	0.7636	1985.3	132.5	0.7672	1992.1	134.1	0.7708
1999.0	135.6	0.7744	2005.8	137.2	0.7780	2012.7	138.6	0.7817	2019.5	140.0	0.7854
2026.4	141.3	0.7891	2033.4	143.0	0.7928	2040.5	144.7	0.7966	2047.6	146.4	0.8003
2054.7	148.0	0.8041	2061.8	149.6	0.8080	2068.8	151.1	0.8118	2075.9	152.5	0.8157
2083.1	154.2	0.8196	2090.4	156.0	0.8236	2097.8	157.8	0.8275	2105.1	159.6	0.8315
2112.4	161.3	0.8355	2119.8	162.9	0.8396	2127.1	164.5	0.8437	2134.5	166.1	0.8478
2142.0	168.0	0.8519	2149.5	169.9	0.8560	2157.1	171.8	0.8602	2164.6	173.7	0.8643
2172.1	175.4	0.8685	2179.6	177.1	0.8728	2187.1	178.7	0.8770	2194.7	180.7	0.8813
2202.4	182.7	0.8855	2210.1	184.7	0.8898	2217.8	186.7	0.8942	2225.4	188.5	0.8985
2233.1	190.4	0.9028	2240.7	192.0	0.9072	2248.3	193.8	0.9116	2256.1	195.9	0.9160
2263.9	198.0	0.9204	2283.8	202.7	0.9319	2291.4	204.7	0.9363	2299.1	206.8	0.9407
2306.8	208.9	0.9451	2314.5	211.0	0.9496	2322.2	213.0	0.9540	2329.9	215.0	0.9585
2337.6	216.8	0.9630	2345.2	218.6	0.9675	2352.9	220.2	0.9721	2360.5	221.8	0.9766
2368.1	223.3	0.9812	2376.0	225.4	0.9858	2383.9	227.7	0.9904	2391.8	230.0	0.9951
2399.8	232.3	0.9998	2407.7	234.6	1.0044	2415.7	236.8	1.0091	2423.6	238.9	1.0139
2431.5	241.0	1.0186	2439.5	243.0	1.0234	2447.4	244.8	1.0282	2455.3	246.6	1.0330
2463.3	248.9	1.0378	2471.5	251.3	1.0427	2479.6	253.8	1.0475	2487.8	256.3	1.0524
2496.0	258.8	1.0574	2504.2	261.2	1.0623	2512.4	263.5	1.0673	2520.6	265.8	1.0723
2528.7	267.9	1.0773	2536.9	269.9	1.0823	2545.0	271.9	1.0874	2553.3	274.1	1.0924
2561.7	276.7	1.0976	2570.1	279.3	1.1027	2578.5	282.0	1.1078	2587.0	284.7	1.1130
2595.4	287.3	1.1182	2603.9	289.8	1.1234	2612.3	292.2	1.1287	2620.8	294.5	1.1339
2629.2	296.7	1.1392	2637.6	298.9	1.1446	2646.0	301.0	1.1499	2654.7	303.7	1.1553
2663.3	306.5	1.1607	2672.0	309.4	1.1661	2680.8	312.3	1.1715	2689.5	315.1	1.1770
2698.3	317.9	1.1825	2707.0	320.5	1.1880	2715.7	323.1	1.1936	2724.5	325.5	1.1991
2733.2	327.9	1.2047	2741.9	330.1	1.2104	2750.7	332.6	1.2160	2759.6	335.6	1.2217
2768.6	338.6	1.2274	2777.7	341.7	1.2332	2786.7	344.8	1.2389	2795.8	347.8	1.2447
2804.8	350.7	1.2505	2813.9	353.6	1.2564	2822.9	356.3	1.2623	2832.0	358.9	1.2682
2841.0	361.4	1.2741	2850.1	363.8	1.2801	2859.2	366.7	1.2860	2868.5	369.8	1.2921
2877.8	373.1	1.2981	2887.2	376.4	1.3042	2896.5	379.7	1.3103	2905.9	382.9	1.3164
2915.3	386.1	1.3225	2924.6	389.1	1.3287	2934.0	392.0	1.3349	2943.4	394.8	1.3411
2952.7	397.5	1.3474	2962.1	400.1	1.3537	2971.6	403.1	1.3600	2981.1	406.5	1.3663
2990.7	409.9	1.3727	3000.4	413.4	1.3791	3010.0	417.0	1.3855	3019.7	420.4	1.3919
3029.4	423.8	1.3984	3039.1	427.1	1.4049	3048.8	430.3	1.4114	3058.4	433.3	1.4180
3069.1	436.2	1.4246	3077.8	439.0	1.4312	3087.5	442.0	1.4378	3097.4	445.4	1.4445
3107.3	449.1	1.4512	3117.2	452.8	1.4579	3127.2	456.5	1.4646	3137.2	460.3	1.4714
3147.2	464.0	1.4782	3157.2	467.6	1.4851	3167.2	471.0	1.4919	3177.2	474.4	1.4988
3187.2	477.6	1.5057	3197.2	480.7	1.5127	3207.3	483.6	1.5197	3217.4	486.9	1.5267
3227.5	490.6	1.5337	3237.8	494.5	1.5408	3248.1	498.5	1.5479	3258.4	502.5	1.5550
3268.7	506.5	1.5621	3279.1	510.4	1.5693	3289.4	514.3	1.5765	3299.8	518.0	1.5838
3310.1	521.6	1.5911	3320.5	525.0	1.5984	3330.9	528.4	1.6057	3341.3	531.6	1.6131
3351.7	535.1	1.6205	3362.2	539.0	1.6279	3372.8	543.1	1.6353	3383.4	547.3	1.6428

TRIPLE POINT FOR 40-KT AT 1026-FT HOB REFLECT-4B RUN 84-6

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
3404.8	555.9	1.6579	3415.5	560.1	1.6654	3426.2	564.2	1.6730	3436.9	568.2	1.6807
3447.6	572.1	1.6883	3458.3	575.9	1.6960	3469.1	579.5	1.7037	3479.8	583.0	1.7115
3490.6	586.4	1.7193	3501.5	590.4	1.7271	3512.4	594.6	1.7349	3523.4	599.0	1.7428
3534.3	603.5	1.7507	3545.4	608.0	1.7587	3556.4	612.5	1.7666	3567.4	617.0	1.7746
3578.5	621.4	1.7826	3589.6	625.7	1.7906	3600.6	629.8	1.7987	3611.7	633.8	1.8068
3622.7	637.7	1.8149	3633.8	641.4	1.8230	3644.9	645.1	1.8312	3656.0	649.1	1.8394
3667.3	653.5	1.8476	3678.5	658.1	1.8558	3689.8	662.7	1.8641	3697.3	664.9	1.8697
3708.6	669.7	1.8790	3719.8	674.3	1.8863	3731.1	678.8	1.8946	3742.4	683.1	1.9030
3753 7	687.3	1.9114	3765.0	691.4	1.9198	3776.4	695.4	1.9283	3787.7	699.3	1.9368
3799.1	703.1	1.9453	3810.5	706.9	1.9538	3822.0	711.0	1.9624	3833.5	715.5	1.9710
3845.1	720.2	1.9797	3856.7	725.1	1.9884	3868.3	730.1	1.9971	3880.0	735.1	2.0058
3891.7	740.2	2.0146	3903.4	745.3	2.0234	3915.1	750.3	2.0323	3926.9	755.2	2.0411
3938.7	760.1	2.0501	3950.5	764.8	2.0590	3962.3	769.4	2.0680	3974.2	773.8	2.0770
3986.1	778.2	2.0861	3998.0	782.5	2.0951	4009.9	786.7	2.1043	4021.9	790.8	2.1134
4033.9	794.9	2.1226	4045.9	799.0	2.1318	4058.0	803.2	2.1411	4070.1	808.1	2.1504
4082.3	813.2	2.1597	4094.5	818.5	2.1691	4106.7	823.9	2.1785	4119.0	829.5	2.1880
4131 4	835.1	2.1975	4143.7	840.7	2.2070	4156.1	846.3	2.2165	4168.5	851.8	2.2261
4181.0	857.3	2.2357	4193.4	862.7	2.2454	4205.9	868.0	2.2551	4218.5	873.2	2.2649
4231.0	878.3	2.2746	4243.6	883.3	2.2845	4256.2	888.2	2.2943	4268.9	893.0	2.3042
4281.6	897.7	2.3141	4294.3	902.4	2.3241	4307.1	907.5	2.3341	4319.9	912.9	2.3442
4332.7	918.5	2.3542	4345.6	924.4	2.3644	4358.5	930.4	2.3745	4371.5	936.5	2.3847
4384.5	942.6	2.3950	4397.5	948.7	2.4052	4410.5	954.9	2.4155	4423.6	960.9	2.4259
4436 7	966.9	2.4363	4449.9	972.8	2.4467	4463.1	978.6	2.4572	4476.3	984.3	2.4677
4489.5	989.8	2.4782	4502.8	995.3	2.4888	4516.1	1000.6	2.4994	4529.5	1005 9	2.5101
4542.9	1011.0	2.5208	4556.3	1016.2	2.5315	4569.7	1021.4	2.5423	4583.2	1027.2	2.5531
4596.8	1033.2	2.5640	4610.3	1039.4	2.5749	4624.0	1045.8	2.5859	4637.6	1052.3	2.5968
4651.3	1058.9	2.6079	4665.0	1065.6	2.6189	4678.7	1072.3	2.6300	4692.5	1078.9	2.6412
4706.3	1085.5	2.6524	4720.2	1092.0	2.6636	4734.1	1098.5	2.6749	4748.0	1104.8	2.6862
4761.9	1111.1	2.6975	4775.9	1117.2	2.7089	4790.0	1123.2	2.7204	4804.0	1129.1	2.7318
4818.2	1134.9	2.7433	4832.3	1140.7	2.7549	4846.5	1146.4	2.7665	4860.8	1152.2	2.7781
4875.0	1158.5	2.7898	4889.3	1165.0	2.8016	4903.7	1171.7	2.8133	4918.0	1178.6	2.8251
4932.4	1185.7	2.8370	4946.9	1192.8	2.8489	4961.3	1200.1	2.8609	4975 8	1207.3	2.8728
4990.4	1214.6	2.8849	5005.0	1221.8	2.8970	5019.6	1229.0	2.9091	5034.2	1236.2	2.9212
5048.9	1243.2	2.9334	5063.7	1250.1	2.9457	5078.5	1256.9	2.9580	5093.3	1263.6	2.9703
5108.2	1270.3	2.9827	5123.1	1276.8	2.9951	5138.1	1283.2	3.0076	5153.1	1289.5	3.0201
5168.2	1295.9	3.0327	5183.3	1302.3	3.0453	5198.4	1309.2	3.0579	5213.5	1316.3	3.0706
5228.7	1323.6	3.0834	5243.9	1331.2	3.0961	5259.1	1338.8	3.1090	5274.1	1346.6	3.1218
5289.7	1354.4	3.1348	5305.1	1362.4	3.1477	5320.4	1370.3	3.1607	5335.9	1378.2	3.1738
5351.3	1386.1	3.1869	5366.8	1393.9	3.2001	5382.4	1401.6	3.2133	5398.0	1409.3	3.2265
5413.7	1416.9	3.2398	5429.4	1424.3	3.2531	5445.2	1431.7	3.2665	5461.0	1438.9	3.2800
5476.8	1446.1	3.2935	5492.8	1453.2	3.3070	5508.7	1460.2	3.3206	5524.8	1467.2	3.3342
5540.8	1474.5	3.3479	5556.9	1482.1	3.3616	5572.9	1489.9	3.3754	5589.1	1498.0	3.3892
5605.2	1506.2	3.4031	5621.4	1514.5	3.4170	5637.6	1523.0	3.4310	5653.9	1531.6	3.4450
5670.1	1540.2	3.4590	5686.4	1548.8	3.4731	5702.8	1557.5	3.4873	5719.2	1566.1	3.5015
5735.6	1574.7	3.5157	5747.5	1577.2	3.5257	5764.0	1585.4	3.5400	5780.6	1593.7	3.5544
5797.2	1602.1	3.5688	5813.9	1610.5	3.5833	5830.6	1619.0	3.5978	5847.3	1627.4	3.6124
5864.1	1635.9	3.6270	5881.0	1644.2	3.6417	5897.9	1652.5	3.6564	5914.9	1660.7	3.6711
5931.9	1668.8	3.6860	5949.0	1677.0	3.7008	5966.1	1685.1	3.7158	5983.3	1693.3	3.7308
6000.5	1701.6	3.7458	6017.7	1710.0	3.7609	6035.0	1718.7	3.7760	6052.4	1727.1	3.7912
6069.9	1734.2	3.8064	6087.4	1742.4	3.8217	6104.9	1750.8	3.8371	6122.4	1759.4	3.8525

TRIPLE POINT FOR 40-KT AT 1026-FT HOB REFLECT-4B RUN 84-6

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
6157.6	1777.2	3.8835	6175.2	1786.4	3.8990	6192.8	1795.7	3.9146	6210.5	1805.1	3.9303
6228.2	1814.6	3.9460	6246.0	1824.2	3.9618	6263.8	1833.9	3.9776	6281.6	1843.5	3.9935
6299.5	1853.2	4.0094	6317.5	1862.9	4.0254	6335.5	1872.6	4.0415	6353.5	1882.2	4.0576
6371.6	1891.8	4.0737	6389.8	1901.3	4.0899	6408.0	1910.8	4.1062	6426.3	1920.3	4.1225
6444.7	1929.7	4.1389	6463.1	1939.0	4.1553	6481.6	1948.2	4.1718	6500.1	1957.4	4.1884
6518.7	1966.6	4.2050	6537.4	1975.7	4.2216	6556.1	1984.8	4.2384	6574.9	1994.2	4.2551
6593.6	2003.7	4.2720	6612.4	2013.6	4.2889	6631.2	2023.6	4.3058	6650.1	2033.8	4.3228
6668.9	2044.2	4.3399	6687.8	2054.7	4.3570	6706.8	2065.3	4.3742	6725.7	2076.1	4.3914
6744.8	2086.9	4.4087	6763.8	2097.8	4.4261	6782.9	2108.8	4.4435	6802.1	2119.7	4.4610
6821.3	2130.7	4.4785	6840.6	2141.6	4.4961	6860.0	2152.5	4.5138	6879.4	2163.4	4.5315
6898.8	2174.2	4.5493	6918.4	2185.0	4.5671	6938.0	2195.7	4.5851	6957.7	2206.4	4.6030
6977.5	2216.9	4.6211	6997.3	2227.6	4.6391	7017.1	2238.3	4.6573	7037.0	2249.2	4.6755
7057.0	2259.9	4.6938	7077.1	2270.2	4.7121	7097.2	2280.7	4.7305	7117.4	2291.4	4.7490
7137.6	2302.3	4.7675	7157.8	2313.4	4.7861	7178.0	2324.7	4.8047	7198.2	2336.1	4.8234
7218.5	2347.7	4.8422	7238.9	2359.4	4.8610	7259.3	2371.1	4.8799	7279.7	2383.0	4.8989
7300.2	2394.9	4.9179	7320.7	2406.8	4.9370	7341.3	2418.8	4.9561	7361.9	2430.8	4.9753
7382.6	2442.7	4.9946	7403.4	2454.7	5.0139	7424.2	2466.6	5.0333	7445.1	2478.6	5.0528
7466.1	2490.6	5.0724	7487.1	2502.7	5.0920	7508.1	2514.9	5.1116	7529.2	2527.3	5.1314
7550.3	2539.9	5.1512	7571.6	2551.9	5.1710	7593.3	2562.0	5.1909	7615.3	2571.0	5.2109
7637.4	2580.1	5.2310	7659.2	2590.8	5.2512	7681.0	2602.1	5.2714	7702.8	2613.6	5.2916
7724.6	2625.4	5.3120	7746.4	2637.4	5.3324	7768.3	2649.6	5.3529	7790.2	2662.0	5.3734
7812.1	2674.5	5.3940	7834.0	2687.2	5.4147	7856.0	2700.1	5.4355	7878.1	2713.0	5.4563
7900.1	2726.1	5.4772	7922.3	2739.3	5.4981	7944.4	2752.5	5.5192	7966.7	2765.8	5.5403
7989.0	2779.2	5.5615	8011.3	2792.5	5.5827	8033.7	2806.0	5.6040	8056.2	2819.4	5.6254
8078.8	2832.8	5.6469	8101.4	2846.2	5.6684	8124.2	2859.6	5.6901	8146.9	2873.1	5.7118
8169.7	2886.6	5.7335	8192.6	2900.4	5.7553	8215.5	2914.2	5.7773	8238.4	2928.2	5.7992
8261.4	2942.5	5.8213	8284.3	2957.3	5.8434	8307.6	2970.8	5.8656	8331.1	2983.6	5.8879
8354.7	2996.5	5.9103	8378.3	3009.6	5.9327	8401.9	3023.0	5.9552	8425.6	3036.5	5.9778
8449.3	3050.1	6.0005	8473.0	3064.0	6.0232	8496.8	3077.9	6.0460	8520.6	3092.1	6.0689
8544.5	3106.3	6.0919	8564.8	3113.0	6.1103	8586.2	3125.4	6.1308	8610.1	3139.4	6.1538
8634.0	3153.5	6.1768	8658.0	3167.8	6.2000	8682.0	3182.2	6.2231	8706.1	3196.7	6.2464
8730.2	3211.3	6.2698	8754.4	3226.0	6.2932	8778.6	3240.9	6.3167	8802.8	3255.9	6.3402
8827.1	3271.1	6.3639	8851.4	3286.4	6.3876	8875.7	3302.0	6.4114	8900.1	3317.7	6.4353
8924.4	3333.6	6.4592	8949.0	3349.2	6.4833	8973.7	3364.5	6.5074	8998.6	3379.4	6.5316
9023.6	3394.1	6.5558	9048.8	3408.4	6.5802	9074.1	3422.6	6.6046	9099.6	3436.6	6.6291
9125.2	3450.4	6.6537	9151.0	3464.0	6.6784	9176.8	3477.4	6.7031	9202.9	3490 6	6.7280
9229.0	3503.7	6.7529	9255.3	3516.7	6.7779	9281.6	3529.6	6.8029	9308.1	3542.4	6.8281
9334.7	3555.1	6.8533	9361.4	3567.7	6.8786	9388.1	3580.2	6.9040	9415.0	3592.7	6.9294
9442.0	3605.1	6.9549	9469.1	3617.5	6.9805	9496.3	3629.8	7.0062	9523.0	3643.9	7.0320
9549.5	3659.2	7.0578	9576.0	3674.9	7.0837	9602.5	3690.7	7.1097	9629.0	3706.7	7.1357
9655.5	3722.9	7.1619	9682.1	3739.2	7.1881	9708.7	3755.7	7.2144	9735.4	3772.3	7.2407
9762.1	3789.1	7.2672	9788.8	3806.0	7.2937	9815.6	3823.0	7.3203	9842.4	3840.1	7.3470
9869.3	3857.3	7.3738	9896.2	3874.7	7.4006	9923.2	3892.0	7.4275	9950.3	3909.5	7.4545
9977.4	3927.0	7.4816	10004.6	3944.7	7.5088	10031.8	3962.3	7.5360	10059.1	3980.0	7.5633
10086.4	3997.8	7.5907	10113.8	4015.7	7.6182	10141.3	4033.5	7.6458	10168.9	4051.4	7.6734
10196.5	4069.4	7.7012	10224.2	4087.4	7.7290	10252.0	4105.4	7.7569	10279.8	4123.5	7.7848
10307.7	4141.6	7.8129	10335.7	4159.8	7.8410	10363.8	4178.0	7.8693	10391.9	4196.3	7.8976
10420.0	4214.7	7.9260	10448.2	4233.4	7.9544	10476.4	4252.3	7.9830	10504.6	4271.1	8.0116
10533.5	4288.6	8.0404	10562.3	4306.2	8.0692	10591.1	4324.1	8.0981	10620.0	4342.2	8.1271
10648 8	4360.6	8.1561	10677.7	4379.1	8.1853	10706.7	4397.9	8.2145	10735.6	4416.8	8.2439

TRIPLE POINT FOR 40-KT AT 1026-FT HOB REFLECT-4B RUN 84-6

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
10793.6	4455.2	8.3028	10822.6	4474.7	8.3324	10851.7	4494.3	8.3620	10880.7	4514.3	8.3918
10909.8	4534.3	8.4216	10938.9	4554.7	8.4516	10968.0	4575.2	8.4816	10997.2	4595.9	8.5117
11026.4	4616.8	8.5419	11055.5	4637.9	8.5722	11084.8	4659.2	8.6026	11114.0	4680.7	8.6331
11142.6	4704.3	8.6636	11171.4	4727.7	8.6943	11200.5	4750.3	8.7250	11229.9	4772.3	8.7558
11259.6	4793.6	8.7868	11289.7	4814.4	8.8178	11320.0	4834.6	8.8489	11350.5	4854.4	8.8801
11381.3	4873.9	8.9113	11412.3	4892.9	8.9427	11443.5	4911.7	8.9742	11474.9	4930.1	9.0057
11506.5	4948.4	9.0374	11538.3	4966.3	9.0691	11570.2	4984.1	9.1010	11602.3	5001.9	9.1329
11634.6	5019.4	9.1649	11667.0	5036.7	9.1971	11699.6	5053.8	9.2293	11732.0	5071.8	9.2616
11763.7	5091.8	9.2940	11795.6	5112.0	9.3265	11827.4	5132.5	9.3591	11859.2	5153.1	9.3918
11891.1	5173.9	9.4245	11923.0	5194.9	9.4574	11955.0	5216.1	9.4904	11987.0	5237.4	9.5235
12019.0	5258.9	9.5566	12051.1	5280.6	9.5899	12083.2	5302.4	9.6233	12115.4	5324.3	9.6567
12147.6	5346.4	9.6903	12179.9	5368.5	9.7240	12212.3	5390.9	9.7577	12244.7	5413.4	9.7916
12277.1	5436.1	9.8255	12309.5	5459.0	9.8596	12341.9	5482.2	9.8937	12374.4	5505.6	9.9280
12406.9	5529.1	9.9623	12439.4	5552.9	9.9968	12471.9	5577.0	10.0313	12504.5	5601.3	10.0660
12537.0	5625.9	10.1007	12569.1	5651.7	10.1356	12601.6	5676.9	10.1705	12634.4	5701.6	10.2056
12667.5	5725.8	10.2408	12700.9	5749.5	10.2760	12734.5	5772.8	10.3114	12768.4	5795.8	10.3469
12802.5	5818.3	10.3824	12837.0	5840.6	10.4181	12871.6	5862.5	10.4539	12906.4	5884.3	10.4898
12941.4	5905.7	10.5258	12976.6	5927.0	10.5619	13012.1	5948.0	10.5981	13047.7	5969.0	10.6344
13083.5	5989.7	10.6708	13119.4	6010.3	10.7073	13155.5	6030.9	10.7439	13191.7	6051.4	10.7806
13229.2	6071.6	10.8175	13264.4	6092.9	10.8544	13299.9	6116.1	10.8915	13335.4	6139.6	10.9286
13370.9	6163.3	10.9659	13406.5	6187.2	11.0033	13442.1	6211.2	11.0408	13477.8	6235.5	11.0784
13513.5	6259.9	11.1161	13549.2	6284.5	11.1539	13585.0	6309.3	11.1918	13620.9	6334.2	11.2298
13656.8	6359.3	11.2680	13692.8	6384.5	11.3062	13728.8	6409.9	11.3446	13764.9	6435.4	11.3830
13801.0	6461.2	11.4216	13837.1	6487.2	11.4603	13873.3	6513.4	11.4991	13909.4	6539.9	11.5381
13945.6	6566.6	11.5771	13981.9	6593.5	11.6163	14018.1	6620.5	11.6555	14054.5	6647.8	11.6949
14090.8	6675.3	11.7344	14127.2	6703.1	11.7740	14163.5	6731.1	11.8137	14199.9	6759.4	11.8535
14236.2	6788.1	11.8935	14272.1	6818.1	11.9336	14308.2	6847.8	11.9738	14344.7	6876.9	12.0141
14381.5	6905.6	12.0545	14418.7	6933.6	12.0950	14456.1	6961.3	12.1357	14493.9	6988.5	12.1764
14532.0	7015.4	12.2173	14570.4	7041.9	12.2583	14609.0	7068.2	12.2994	14630.3	7067.6	12.3168
14650.2	7082.6	12.3385	14670.2	7097.5	12.3603	14690.3	7112.2	12.3821	14710.5	7126.8	12.4039
14730.8	7141.3	12.4257	14751.1	7155.7	12.4476	14771.5	7170.0	12.4696	14792.0	7184.2	12.4915
14812.6	7198.3	12.5135	14833.3	7212.3	12.5356	14854.0	7226.3	12.5577	14874.8	7240.2	12.5798
14895.7	7254.0	12.6019	14916.6	7267.8	12.6241	14937.6	7281.6	12.6463	14958.6	7295.2	12.6686
14979.8	7308.8	12.6908	15000.9	7322.5	12.7132	15022.1	7336.0	12.7355	15043.4	7349.5	12.7579
15064.8	7363.0	12.7804	15086.2	7376.5	12.8028	15107.6	7389.9	12.8253	15129.1	7403.2	12.8479
15150.7	7416.6	12.8705	15172.3	7430.0	12.8931	15193.9	7443.3	12.9157	15215.7	7456.5	12.9384
15237.4	7469.8	12.9611	15259.2	7483.1	12.9839	15281.1	7496.3	13.0067	15303.0	7509.5	13.0295
15324.9	7522.9	13.0524	15346.8	7536.2	13.0753	15368.9	7549.4	13.0983	15391.0	7562.6	13.1213
15413.2	7575.7	13.1443	15435.1	7589.4	13.1673	15456.7	7604.0	13.1904	15478.2	7618.8	13.2136
15499.8	7633.6	13.2367	15521.3	7648.6	13.2599	15542.9	7663.6	13.2832	15564.5	7678.7	13.3065
15586.0	7694.0	13.3298	15607.6	7709.3	13.3532	15629.1	7724.6	13.3766	15650.7	7740.0	13.4000
15672.3	7755.6	13.4235	15693.9	7771.2	13.4470	15715.5	7786.8	13.4705	15737.1	7802.5	13.4941
15758.8	7818.4	13.5178	15780.4	7834.2	13.5414	15802.0	7850.2	13.5651	15823.7	7866.2	13.5889
15845.3	7882.3	13.6127	15867.0	7898.5	13.6365	15888.7	7914.7	13.6603	15910.4	7931.0	13.6842
15932.0	7947.5	13.7082	15953.7	7963.9	13.7322	15975.4	7980.5	13.7562	15997.2	7997.1	13.7802
16018.9	8013.8	13.8043	16040.6	8030.5	13.8285	16062.4	8047.3	13.8526	16084.2	8064.1	13.8769
16105.9	8081.1	13.9011	16127.7	8098.1	13.9254	16149.6	8115.1	13.9497	16171.4	8132.2	13.9741
16193.2	8149.4	13.9985	16215.1	8166.6	14.0230	16237.0	8183.9	14.0475	16258.9	8201.2	14.0720
16280.8	8218.7	14.0966	16302.7	8236.1	14.1212	16324.6	8253.6	14.1458	16346.6	8271.2	14.1705
16368.5	8288.9	14.1953	16390.5	8306.6	14.2200	16412.5	8324.4	14.2448	16434.4	8342.4	14.2697

TRIPLE POINT FOR 40-KT AT 1026-FT HOB REFLECT-4B RUN 84-6

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
16476.2	8383.1	14.3195	16497.1	8403.5	14.3445	16518.1	8423.7	14.3695	16539.3	8443.8	14.3946
16560.6	8463.6	14.4197	16582.0	8483.3	14.4448	16603.6	8502.8	14.4700	16625.2	8522.1	14.4952
16647.1	8541.3	14.5205	16669.0	8560.3	14.5458	16691.0	8579.2	14.5712	16713.1	8597.9	14.5965
16735.4	8616.4	14.6220	16757.7	8634.9	14.6475	16780.2	8653.3	14.6730	16802.7	8671.5	14.6985
16825.4	8689.6	14.7241	16848.1	8707.6	14.7498	16871.0	8725.6	14.7754	16893.9	8743.4	14.8012
16917.0	8761.1	14.8269	16940.1	8778.7	14.8527	16963.3	8796.3	14.8786	16986.6	8813.8	14.9045
17009.9	8831.1	14.9304	17033.4	8848.5	14.9564	17056.9	8865.7	14.9824	17080.5	8882.9	15.0085
17104.2	8900.0	15.0346	17128.0	8917.1	15.0607	17151.8	8934.1	15.0869	17175.8	8951.1	15.1132
17199.8	8967.9	15.1394	17223.8	8984.8	15.1658	17247.9	9001.6	15.1921	17272.2	9018.4	15.2185
17296.4	9035.1	15.2450	17320.8	9051.8	15.2715	17345.2	9068.4	15.2980	17369.7	9085.0	15.3246
17394.2	9101.5	15.3512	17418.8	9118.1	15.3778	17443.5	9134.6	15.4045	17468.2	9151.0	15.4313
17493.0	9167.5	15.4581	17517.9	9183.9	15.4849	17542.8	9200.3	15.5118	17567.8	9216.6	15.5387
17592.8	9233.0	15.5657	17617.9	9249.4	15.5927	17642.9	9265.9	15.6197	17668.1	9282.3	15.6468
17693.4	9298.6	15.6739	17718.3	9315.6	15.7011	17743.0	9333.2	15.7283	17767.7	9350.9	15.7556
17792.4	9368.7	15.7829	17817.1	9386.6	15.8102	17841.8	9404.6	15.8376	17866.4	9422.7	15.8650
17891.1	9441.0	15.8925	17915.7	9459.4	15.9200	17940.4	9477.8	15.9476	17965.0	9496.4	15.9751
17989.6	9515.0	16.0028	18014.3	9533.8	16.0305	18038.9	9552.6	16.0582	18063.5	9571.6	16.0859
18088.1	9590.7	16.1137	18112.8	9609.8	16.1416	18137.4	9629.0	16.1695	18162.0	9648.4	16.1974
18186.6	[illegible]7.8	16.2254	18211.2	9687.3	16.2534						

Table 9. Triple point time history for a 40-KT burst at 1710-ft altitude.

(CASE 5)

REFLECT-4B RUN 84-2

TRIPLE POINT FOR 40-KT AT 1710-FT HOB REFLECT-4B RUN 84-8

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
1678.8	0.0	0.9098	1679.6	0.0	0.9101	1680.4	0.0	0.9105	1681.2	0.0	0.9109
1681.9	0.0	0.9112	1682.7	0.0	0.9116	1683.5	0.0	0.9119	1684.3	0.0	0.9123
1685.1	0.0	0.9127	1685.9	0.0	0.9131	1686.6	0.0	0.9134	1687.4	0.0	0.9138
1688.2	0.0	0.9142	1689.0	0.0	0.9145	1689.8	0.0	0.9149	1690.6	0.0	0.9153
1691.4	0.0	0.9156	1692.1	0.0	0.9160	1692.9	0.0	0.9164	1693.7	0.0	0.9167
1694.5	0.0	0.9171	1695.3	0.0	0.9175	1696.1	0.0	0.9179	1696.9	0.1	0.9182
1697.7	0.1	0.9186	1698.5	0.1	0.9190	1699.3	0.1	0.9194	1700.1	0.1	0.9197
1700.9	0.1	0.9201	1701.7	0.1	0.9205	1702.4	0.1	0.9209	1703.2	0.1	0.9212
1704.0	0.1	0.9216	1704.8	0.1	0.9220	1705.6	0.1	0.9224	1706.4	0.1	0.9227
1707.2	0.1	0.9231	1708.0	0.1	0.9235	1708.8	0.1	0.9239	1709.6	0.1	0.9243
1710.4	0.1	0.9246	1711.2	0.1	0.9250	1712.0	0.1	0.9254	1712.8	0.1	0.9258
1713.6	0.1	0.9261	1714.4	0.1	0.9265	1715.2	0.1	0.9269	1716.0	0.1	0.9273
1716.8	0.2	0.9277	1717.6	0.1	0.9280	1718.5	0.1	0.9284	1719.3	0.1	0.9288
1720.1	0.1	0.9292	1720.9	0.1	0.9296	1721.7	0.1	0.9300	1722.5	0.2	0.9303
1723.3	0.1	0.9307	1724.1	0.2	0.9311	1724.9	0.1	0.9315	1725.7	0.2	0.9319
1726.5	0.2	0.9323	1727.3	0.2	0.9327	1728.1	0.2	0.9330	1729.0	0.2	0.9334
1729.8	0.2	0.9338	1730.6	0.2	0.9342	1731.4	0.2	0.9346	1732.2	0.2	0.9350
1733.0	0.2	0.9354	1733.9	0.2	0.9358	1734.7	0.2	0.9362	1735.5	0.2	0.9365
1736.3	0.2	0.9369	1737.1	0.2	0.9373	1738.0	0.2	0.9377	1738.8	0.3	0.9381
1739.6	0.3	0.9385	1740.4	0.3	0.9389	1741.3	0.3	0.9393	1742.1	0.3	0.9397
1742.9	0.3	0.9401	1743.7	0.3	0.9405	1744.6	0.3	0.9409	1745.4	0.3	0.9413
1746.2	0.3	0.9417	1747.0	0.3	0.9421	1747.8	0.3	0.9424	1748.7	0.3	0.9428
1749.5	0.3	0.9432	1750.3	0.3	0.9436	1751.1	0.3	0.9440	1752.0	0.3	0.9444
1752.8	0.3	0.9448	1753.6	0.3	0.9452	1754.5	0.4	0.9456	1755.3	0.4	0.9460
1756.1	0.4	0.9464	1757.0	0.4	0.9468	1757.8	0.4	0.9472	1758.6	0.4	0.9476
1759.5	0.4	0.9480	1760.3	0.4	0.9484	1761.1	0.4	0.9488	1762.0	0.4	0.9492
1762.8	0.4	0.9496	1763.7	0.4	0.9500	1764.5	0.4	0.9504	1765.3	0.5	0.9509
1766.2	0.5	0.9513	1767.0	0.5	0.9517	1767.9	0.5	0.9521	1768.7	0.5	0.9525
1769.5	0.5	0.9529	1770.4	0.5	0.9533	1771.2	0.5	0.9537	1772.1	0.5	0.9541
1772.9	0.5	0.9545	1773.8	0.5	0.9549	1774.6	0.6	0.9553	1775.4	0.6	0.9557
1776.3	0.6	0.9561	1777.1	0.6	0.9565	1778.0	0.6	0.9570	1778.8	0.6	0.9574
1779.7	0.6	0.9578	1780.5	0.6	0.9582	1781.4	0.6	0.9586	1782.2	0.6	0.9590
1783.1	0.6	0.9594	1783.9	0.6	0.9598	1784.8	0.6	0.9602	1785.6	0.6	0.9607
1786.5	0.6	0.9611	1787.3	0.6	0.9615	1788.2	0.7	0.9619	1789.0	0.7	0.9623
1789.9	0.7	0.9627	1790.7	0.7	0.9631	1791.6	0.7	0.9636	1792.4	0.7	0.9640
1793.3	0.7	0.9644	1794.2	0.7	0.9648	1795.0	0.7	0.9652	1795.9	0.7	0.9656
1796.7	0.7	0.9661	1797.6	0.8	0.9665	1798.4	0.8	0.9669	1799.3	0.8	0.9673
1800.1	0.8	0.9677	1801.0	0.8	0.9682	1801.9	0.8	0.9686	1802.7	0.8	0.9690
1803.6	0.8	0.9694	1804.5	0.9	0.9698	1805.3	0.9	0.9703	1806.2	0.9	0.9707
1807.1	0.9	0.9711	1807.9	0.9	0.9715	1808.8	0.9	0.9720	1809.7	0.9	0.9724
1810.5	0.9	0.9728	1811.4	0.9	0.9732	1812.3	0.9	0.9737	1813.1	0.9	0.9741
1814.0	0.9	0.9745	1814.9	1.0	0.9749	1815.7	1.0	0.9754	1816.6	1.0	0.9758
1817.4	1.0	0.9762	1818.6	1.0	0.9768	1820.0	1.0	0.9774	1821.3	1.0	0.9781
1822.7	1.1	0.9787	1824.0	1.1	0.9794	1825.3	1.1	0.9801	1826.7	1.1	0.9807
1828.0	1.1	0.9814	1829.4	1.1	0.9820	1830.7	1.2	0.9827	1832.1	1.2	0.9834
1833.4	1.2	0.9840	1834.8	1.2	0.9847	1836.1	1.2	0.9854	1837.5	1.2	0.9860
1838.8	1.3	0.9867	1840.2	1.3	0.9874	1841.5	1.3	0.9881	1842.9	1.3	0.9887
1844.3	1.3	0.9894	1845.6	1.4	0.9901	1847.0	1.4	0.9907	1848.4	1.4	0.9914
1849.8	1.4	0.9921	1851.1	1.5	0.9928	1852.5	1.5	0.9935	1853.9	1.5	0.9941
1855.2	1.5	0.9948	1856.6	1.5	0.9955	1858.0	1.6	0.9962	1859.4	1.6	0.9969

TRIPLE POINT FOR 40-KT AT 1710-FT HOB REFLECT-4B RUN 84-8

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
1862.1	1.6	0.9982	1863.5	1.7	0.9989	1864.9	1.7	0.9996	1866.3	1.7	1.0003
1867.7	1.7	1.0010	1869.1	1.8	1.0017	1870.4	1.8	1.0024	1871.8	1.8	1.0031
1873.2	1.8	1.0037	1874.6	1.8	1.0044	1876.0	1.9	1.0051	1877.4	1.9	1.0058
1878.8	1.9	1.0065	1880.2	1.9	1.0072	1881.6	2.0	1.0079	1883.0	2.0	1.0086
1884.4	2.0	1.0093	1885.8	2.0	1.0100	1887.2	2.1	1.0107	1888.6	2.1	1.0114
1890.0	2.1	1.0121	1891.4	2.2	1.0128	1892.8	2.2	1.0135	1894.2	2.2	1.0143
1895.6	2.2	1.0150	1897.1	2.3	1.0157	1898.5	2.3	1.0164	1899.9	2.3	1.0171
1901.3	2.3	1.0178	1902.7	2.3	1.0185	1904.1	2.4	1.0192	1905.5	2.4	1.0199
1907.0	2.4	1.0207	1908.4	2.5	1.0214	1909.8	2.5	1.0221	1911.2	2.5	1.0228
1912.7	2.6	1.0235	1914.1	2.6	1.0243	1915.6	2.6	1.0250	1917.0	2.7	1.0257
1918.4	2.7	1.0264	1919.8	2.7	1.0272	1921.3	2.7	1.0279	1922.7	2.8	1.0286
1924.1	2.8	1.0293	1925.6	2.8	1.0301	1927.0	2.8	1.0308	1928.5	2.9	1.0315
1929.9	2.9	1.0322	1931.3	2.9	1.0330	1932.8	2.9	1.0337	1934.2	3.0	1.0344
1935.7	3.0	1.0352	1937.1	3.1	1.0359	1938.6	3.1	1.0366	1940.0	3.1	1.0374
1941.4	3.2	1.0381	1942.9	3.2	1.0388	1944.3	3.2	1.0396	1945.8	3.2	1.0403
1947.2	3.3	1.0411	1948.7	3.3	1.0418	1950.1	3.3	1.0425	1951.6	3.4	1.0433
1953.0	3.4	1.0440	1954.5	3.4	1.0447	1955.9	3.4	1.0455	1957.4	3.5	1.0462
1959.7	3.5	1.0474	1962.6	3.6	1.0489	1965.4	3.7	1.0504	1968.3	3.7	1.0518
1971.2	3.8	1.0533	1974.0	3.8	1.0548	1976.8	3.9	1.0562	1979.6	3.9	1.0577
1982.5	4.0	1.0591	1985.3	4.1	1.0606	1988.1	4.1	1.0620	1990.9	4.2	1.0635
1993.6	4.2	1.0649	1996.4	4.3	1.0664	1999.3	4.4	1.0678	2002.1	4.5	1.0693
2004.9	4.6	1.0707	2007.7	4.7	1.0722	2010.5	4.7	1.0736	2013.3	4.8	1.0751
2016.1	4.9	1.0765	2018.9	4.9	1.0780	2021.7	5.0	1.0794	2024.5	5.1	1.0809
2027.3	5.2	1.0824	2030.1	5.2	1.0838	2033.0	5.3	1.0853	2035.8	5.4	1.0868
2038.6	5.5	1.0882	2041.4	5.6	1.0897	2044.3	5.6	1.0912	2047.1	5.7	1.0927
2050.0	5.8	1.0942	2052.8	5.9	1.0957	2055.7	6.0	1.0972	2058.6	6.0	1.0987
2061.4	6.1	1.1002	2064.4	6.2	1.1017	2067.3	6.3	1.1033	2070.2	6.4	1.1048
2073.1	6.5	1.1063	2076.1	6.6	1.1079	2079.0	6.7	1.1095	2082.0	6.8	1.1110
2084.9	6.9	1.1126	2087.9	7.0	1.1141	2090.8	7.1	1.1157	2093.8	7.1	1.1173
2096.8	7.3	1.1189	2099.8	7.4	1.1204	2102.8	7.5	1.1220	2105.8	7.6	1.1236
2108.7	7.7	1.1252	2111.7	7.8	1.1268	2114.7	7.9	1.1284	2117.7	8.0	1.1300
2120.7	8.1	1.1316	2123.8	8.2	1.1332	2126.8	8.3	1.1348	2129.9	8.4	1.1365
2132.9	8.5	1.1381	2136.0	8.6	1.1397	2139.0	8.8	1.1413	2142.0	8.9	1.1430
2145.0	9.0	1.1446	2148.1	9.1	1.1462	2151.1	9.2	1.1478	2154.1	9.3	1.1495
2157.1	9.4	1.1511	2160.2	9.5	1.1527	2163.2	9.6	1.1544	2166.3	9.7	1.1560
2169.3	9.9	1.1577	2172.4	10.0	1.1593	2175.4	10.1	1.1609	2178.5	10.2	1.1626
2181.5	10.3	1.1643	2184.6	10.4	1.1659	2187.6	10.5	1.1676	2190.7	10.6	1.1692
2193.8	10.7	1.1709	2196.8	10.9	1.1726	2200.0	11.0	1.1743	2203.1	11.2	1.1760
2206.2	11.3	1.1776	2209.3	11.4	1.1793	2212.4	11.6	1.1810	2215.5	11.7	1.1827
2218.7	11.8	1.1845	2221.8	11.9	1.1862	2224.9	12.0	1.1879	2228.1	12.1	1.1896
2231.2	12.3	1.1913	2234.4	12.4	1.1931	2237.5	12.6	1.1948	2240.7	12.7	1.1965
2243.9	12.9	1.1983	2247.1	13.0	1.2000	2250.2	13.1	1.2017	2253.4	13.3	1.2035
2255.4	13.3	1.2046	2258.6	13.5	1.2064	2261.8	13.6	1.2082	2265.0	13.7	1.2099
2268.3	13.9	1.2117	2271.5	14.0	1.2135	2274.7	14.1	1.2153	2277.9	14.2	1.2171
2281.2	14.4	1.2189	2284.4	14.6	1.2207	2287.7	14.7	1.2225	2291.0	14.9	1.2243
2294.2	15.0	1.2261	2297.5	15.2	1.2279	2300.7	15.3	1.2297	2304.0	15.5	1.2316
2307.4	15.6	1.2334	2310.5	15.8	1.2352	2313.8	15.9	1.2370	2317.1	16.0	1.2389
2320.3	16.2	1.2407	2323.6	16.3	1.2425	2326.9	16.5	1.2444	2330.2	16.7	1.2462
2333.5	16.8	1.2481	2336.8	17.0	1.2499	2340.1	17.2	1.2518	2343.4	17.3	1.2536
2346.7	17.5	1.2555	2350.1	17.7	1.2573	2353.4	17.8	1.2592	2356.7	18.0	1.2611

TRIPLE POINT FOR 40-KT AT 1710-FT HOB REFLECT-4B RUN 84-8

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
2363.3	18.3	1.2648	2366.6	18.4	1.2667	2369.9	18.6	1.2686	2373.3	18.8	1.2704
2376.6	19.0	1.2723	2380.0	19.2	1.2742	2383.3	19.3	1.2761	2386.7	19.5	1.2780
2390.0	19.7	1.2799	2393.4	19.9	1.2818	2396.7	20.1	1.2837	2400.1	20.2	1.2856
2403.4	20.4	1.2875	2406.8	20.6	1.2894	2410.1	20.7	1.2913	2413.5	20.9	1.2933
2416.9	21.1	1.2952	2420.2	21.3	1.2971	2423.6	21.5	1.2990	2427.0	21.7	1.3010
2430.4	21.9	1.3029	2433.8	22.1	1.3048	2437.2	22.3	1.3068	2440.6	22.5	1.3087
2444.0	22.6	1.3107	2447.4	22.8	1.3126	2450.8	23.0	1.3146	2454.2	23.2	1.3165
2457.6	23.4	1.3185	2461.0	23.6	1.3204	2464.4	23.8	1.3224	2467.9	24.0	1.3244
2471.3	24.2	1.3263	2474.7	24.4	1.3283	2478.2	24.6	1.3303	2481.6	24.8	1.3323
2485.0	25.0	1.3342	2488.4	25.2	1.3362	2491.9	25.4	1.3382	2495.3	25.6	1.3402
2498.7	25.8	1.3422	2502.2	26.0	1.3442	2505.7	26.2	1.3462	2509.1	26.5	1.3482
2512.6	26.7	1.3502	2516.1	26.9	1.3522	2519.6	27.1	1.3543	2523.0	27.4	1.3563
2526.5	27.6	1.3583	2530.0	27.8	1.3603	2533.4	28.0	1.3623	2536.9	28.2	1.3644
2540.4	28.4	1.3664	2543.9	28.6	1.3685	2547.4	28.8	1.3705	2550.9	29.0	1.3725
2554.4	29.3	1.3746	2557.9	29.5	1.3766	2561.4	29.8	1.3787	2564.9	30.0	1.3807
2568.4	30.2	1.3828	2572.0	30.5	1.3849	2575.5	30.7	1.3869	2579.0	30.9	1.3890
2582.5	31.1	1.3911	2586.0	31.3	1.3931	2589.5	31.5	1.3952	2593.1	31.8	1.3973
2596.6	32.0	1.3994	2600.2	32.3	1.4015	2603.7	32.5	1.4036	2607.3	32.8	1.4057
2610.9	33.0	1.4078	2614.4	33.3	1.4099	2618.0	33.5	1.4120	2621.5	33.7	1.4141
2625.1	33.9	1.4162	2628.6	34.2	1.4183	2632.2	34.4	1.4204	2635.7	34.6	1.4225
2639.3	34.9	1.4247	2642.9	35.1	1.4268	2646.5	35.4	1.4289	2650.1	35.7	1.4311
2653.7	35.9	1.4332	2657.3	36.2	1.4353	2660.9	36.5	1.4375	2664.5	36.7	1.4396
2668.1	36.9	1.4418	2671.7	37.2	1.4439	2675.3	37.4	1.4461	2678.9	37.6	1.4483
2682.5	37.9	1.4504	2686.1	38.2	1.4526	2689.8	38.4	1.4548	2693.4	38.7	1.4569
2697.0	39.0	1.4591	2700.7	39.3	1.4613	2704.3	39.5	1.4635	2708.0	39.8	1.4657
2711.6	40.1	1.4678	2715.2	40.3	1.4700	2718.9	40.6	1.4722	2722.5	40.8	1.4744
2726.1	41.0	1.4766	2729.8	41.3	1.4788	2733.5	41.6	1.4811	2737.1	41.9	1.4833
2740.8	42.2	1.4855	2744.5	42.5	1.4877	2748.2	42.8	1.4899	2751.9	43.1	1.4922
2755.5	43.3	1.4944	2759.2	43.6	1.4966	2762.9	43.9	1.4989	2766.6	44.1	1.5011
2770.2	44.4	1.5033	2775.5	44.7	1.5065	2783.7	45.3	1.5116	2792.0	45.9	1.5166
2800.3	46.6	1.5217	2808.7	47.2	1.5268	2817.1	47.9	1.5319	2825.4	48.5	1.5371
2833.8	49.1	1.5422	2842.2	49.7	1.5474	2850.6	50.3	1.5526	2859.0	50.8	1.5578
2867.5	51.4	1.5631	2875.9	51.9	1.5684	2884.4	52.5	1.5737	2892.9	53.1	1.5790
2901.5	53.8	1.5843	2910.2	54.5	1.5897	2918.9	55.3	1.5950	2927.6	56.1	1.6004
2936.4	56.9	1.6059	2945.1	57.7	1.6113	2953.9	58.5	1.6168	2962.7	59.3	1.6223
2971.5	60.0	1.6278	2980.3	60.7	1.6333	2989.1	61.4	1.6389	2998.0	62.1	1.6445
3006.9	62.9	1.6501	3015.8	63.7	1.6557	3024.8	64.6	1.6614	3033.9	65.4	1.6671
3042.9	66.3	1.6728	3052.0	67.2	1.6785	3061.1	68.1	1.6843	3070.2	68.9	1.6900
3079.3	69.7	1.6959	3088.4	70.5	1.7017	3097.5	71.2	1.7075	3106.7	71.9	1.7134
3115.9	72.8	1.7193	3125.2	73.7	1.7252	3134.5	74.6	1.7312	3143.9	75.6	1.7371
3153.3	76.6	1.7431	3162.7	77.6	1.7492	3172.1	78.5	1.7552	3181.5	79.4	1.7613
3190.9	80.3	1.7674	3200.4	81.2	1.7735	3209.8	82.0	1.7796	3219.3	82.9	1.7858
3228.9	83.8	1.7920	3238.5	84.8	1.7982	3248.2	85.9	1.8045	3257.9	86.9	1.8107
3267.6	88.0	1.8170	3277.3	89.1	1.8233	3287.1	90.1	1.8297	3296.8	91.1	1.8361
3306.6	92.1	1.8425	3316.3	93.0	1.8489	3326.1	93.9	1.8553	3335.9	94.9	1.8618
3345.8	96.0	1.8683	3355.8	97.1	1.8748	3365.8	98.2	1.8814	3375.8	99.4	1.8879
3385.9	100.6	1.8945	3395.9	101.7	1.9012	3406.0	102.9	1.9078	3416.1	103.9	1.9145
3426.2	105.0	1.9212	3436.2	106.0	1.9279	3446.3	107.0	1.9347	3456.5	108.1	1.9414
3466.7	109.3	1.9482	3477.0	110.6	1.9550	3487.3	111.8	1.9618	3497.6	113.1	1.9687
3507.9	114.4	1.9756	3518.2	115.6	1.9825	3528.5	116.8	1.9894	3538.8	117.9	1.9963

TRIPLE POINT FOR 40-KT AT 1710-FT HOB REFLECT-4B RUN 84-8

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
3559.4	120.0	2.0102	3569.8	121.2	2.0172	3580.3	122.5	2.0243	3590.7	123.8	2.0313
3601.3	125.2	2.0384	3611.8	126.6	2.0455	3622.4	127.9	2.0526	3632.9	129.2	2.0597
3643.5	130.5	2.0668	3654.0	131.8	2.0740	3664.6	133.0	2.0812	3675.1	134.1	2.0884
3685.7	135.3	2.0957	3696.4	136.6	2.1029	3707.1	138.0	2.1102	3717.8	139.4	2.1175
3728.6	140.9	2.1249	3739.4	142.3	2.1322	3750.2	143.8	2.1396	3761.0	145.2	2.1470
3771.8	146.6	2.1544	3782.6	147.9	2.1618	3793.4	149.1	2.1693	3804.2	150.4	2.1768
3815.1	151.7	2.1843	3826.0	153.1	2.1918	3837.0	154.6	2.1994	3848.0	156.2	2.2070
3859.1	157.8	2.2146	3870.1	159.3	2.2222	3881.2	160.9	2.2298	3892.3	162.4	2.2375
3903.3	163.8	2.2452	3914.4	165.2	2.2529	3925.5	166.5	2.2606	3936.5	167.8	2.2684
3947.7	169.3	2.2762	3958.9	170.9	2.2840	3970.2	172.5	2.2918	3981.5	174.2	2.2997
3992.8	175.8	2.3076	4004.1	177.5	2.3155	4015.4	179.1	2.3234	4026.8	180.7	2.3313
4038.1	182.2	2.3393	4049.4	183.7	2.3473	4060.7	185.0	2.3553	4072.1	186.5	2.3633
4083.5	188.1	2.3714	4095.0	189.8	2.3795	4106.6	191.5	2.3876	4118.1	193.3	2.3957
4129.7	195.1	2.4039	4141.3	196.9	2.4121	4152.9	198.6	2.4203	4164.5	200.3	2.4285
4176.1	201.9	2.4368	4187.7	203.4	2.4451	4199.3	204.8	2.4534	4211.0	206.4	2.4617
4222.7	208.1	2.4700	4234.5	209.9	2.4784	4246.3	211.8	2.4868	4258.1	213.6	2.4952
4270.0	215.5	2.5037	4281.9	217.4	2.5122	4289.6	217.9	2.5179	4301.9	219.7	2.5267
4314.3	221.4	2.5356	4326.6	223.1	2.5445	4339.0	224.8	2.5534	4351.4	226.5	2.5624
4363.8	228.2	2.5714	4376.2	229.7	2.5804	4388.7	231.4	2.5895	4401.3	233.3	2.5986
4413.9	235.3	2.6077	4426.6	237.3	2.6168	4439.3	239.4	2.6260	4452.1	241.5	2.6352
4464.9	243.6	2.6445	4477.7	245.7	2.6537	4490.5	247.8	2.6630	4503.4	249.8	2.6724
4516.2	251.7	2.6817	4529.1	253.6	2.6911	4542.0	255.5	2.7006	4554.9	257.3	2.7100
4567.8	259.1	2.7195	4580.8	260.8	2.7291	4593.7	262.6	2.7386	4606.8	264.5	2.7482
4619.9	266.5	2.7578	4633.1	268.7	2.7675	4646.3	270.9	2.7772	4659.6	273.2	2.7869
4673.0	275.5	2.7967	4686.3	277.8	2.8065	4699.7	280.1	2.8163	4713.1	282.4	2.8261
4726.6	284.7	2.8360	4740.0	286.9	2.8459	4753.5	289.1	2.8559	4767.0	291.2	2.8659
4780.5	293.3	2.8759	4794.0	295.4	2.8860	4807.6	297.3	2.8961	4821.1	299.3	2.9062
4834.8	301.5	2.9164	4848.5	303.8	2.9266	4862.3	306.1	2.9368	4876.2	308.6	2.9471
4890.1	311.1	2.9574	4904.0	313.7	2.9677	4917.9	316.2	2.9781	4931.9	318.7	2.9885
4946.0	321.2	2.9989	4960.0	323.7	3.0094	4974.1	326.1	3.0199	4988.1	328.5	3.0305
5002.2	330.8	3.0411	5016.4	333.1	3.0517	5030.5	335.3	3.0623	5044.6	337.4	3.0730
5058.8	339.6	3.0838	5073.1	342.0	3.0945	5087.5	344.5	3.1053	5101.9	347.1	3.1162
5116.4	349.7	3.1270	5130.9	352.5	3.1380	5145.4	355.2	3.1489	5160.0	358.0	3.1599
5174.7	360.7	3.1709	5189.3	363.5	3.1820	5204.0	366.2	3.1931	5218.7	368.8	3.2042
5233.4	371.4	3.2154	5248.2	374.0	3.2266	5263.0	376.5	3.2379	5277.7	378.9	3.2492
5292.5	381.1	3.2605	5307.4	383.5	3.2719	5322.3	386.0	3.2833	5337.3	388.7	3.2947
5352.4	391.5	3.3062	5367.5	394.4	3.3177	5382.7	397.4	3.3293	5397.9	400.3	3.3409
5413.2	403.4	3.3525	5428.5	406.4	3.3642	5443.8	409.4	3.3759	5459.2	412.3	3.3877
5474.6	415.3	3.3995	5490.0	418.2	3.4113	5505.5	421.0	3.4232	5520.9	423.8	3.4351
5536.4	426.6	3.4471	5551.9	429.0	3.4591	5567.4	431.5	3.4711	5583.0	434.2	3.4832
5598.7	437.0	3.4953	5614.5	440.0	3.5075	5630.3	443.1	3.5197	5646.2	446.2	3.5319
5662.1	449.4	3.5442	5678.0	452.7	3.5565	5694.1	455.9	3.5689	5710.1	459.2	3.5813
5726.2	462.5	3.5937	5742.3	465.8	3.6062	5758.5	469.0	3.6188	5774.7	472.2	3.6314
5790.9	475.3	3.6440	5807.1	478.4	3.6566	5823.4	481.5	3.6693	5839.7	484.0	3.6821
5856.0	486.8	3.6949	5872.3	489.7	3.7077	5888.8	492.8	3.7206	5905.3	496.0	3.7335
5921.9	499.3	3.7465	5938.6	502.7	3.7595	5955.3	506.2	3.7725	5972.0	509.7	3.7856
5988.8	513.3	3.7988	6005.7	516.9	3.8119	6022.6	520.5	3.8252	6039.5	524.0	3.8384
6056.4	527.6	3.8518	6073.5	531.1	3.8651	6090.5	534.6	3.8785	6107.6	538.0	3.8920
6124.7	541.4	3.9055	6141.7	544.2	3.9190	6158.8	547.2	3.9326	6176.0	550.4	3.9462
6193.3	553.7	3.9599	6210.6	557.1	3.9736	6228.0	560.7	3.9873	6245.5	564.4	4.0011

TRIPLE POINT FOR 40-KT AT 1710-FT HOB REFLECT-4B RUN 84-8

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
6280.5	571.9	4.0288	6298.1	575.8	4.0427	6315.7	579.7	4.0567	6333.3	583.6	4.0707
6351.0	587.5	4.0847	6368.8	591.4	4.0988	6386.5	595.3	4.1129	6404.3	599.1	4.1270
6422.1	602.9	4.1412	6440.0	606.6	4.1554	6457.8	609.9	4.1697	6475.6	613.1	4.1840
6493.5	616.4	4.1984	6511.5	619.9	4.2127	6529.5	623.5	4.2272	6545.4	626.8	4.2399
6563.5	630.6	4.2544	6581.7	634.6	4.2689	6600.0	638.6	4.2835	6618.2	642.7	4.2982
6636.6	646.9	4.3128	6655.0	651.1	4.3275	6673.4	655.3	4.3423	6691.8	659.6	4.3571
6710.3	663.8	4.3719	6728.8	668.0	4.3868	6747.4	672.2	4.4017	6766.0	676.3	4.4167
6784.6	680.5	4.4317	6803.3	684.4	4.4467	6821.9	687.7	4.4618	6840.5	691.2	4.4769
6859.2	694.8	4.4921	6878.0	698.6	4.5073	6896.9	702.6	4.5226	6915.8	706.6	4.5379
6934.7	710.8	4.5532	6953.7	715.1	4.5686	6972.8	719.4	4.5840	6991.9	723.9	4.5995
7011.1	728.4	4.6150	7030.3	732.9	4.6306	7049.5	737.5	4.6462	7068.8	742.1	4.6618
7088.2	746.7	4.6775	7107.5	751.3	4.6932	7127.0	755.9	4.7090	7146.4	760.4	4.7248
7165.9	764.9	4.7407	7185.4	769.0	4.7566	7204.8	772.7	4.7726	7224.4	776.5	4.7886
7244.0	780.4	4.8046	7263.6	784.6	4.8207	7283.3	788.8	4.8368	7303.1	793.2	4.8530
7322.9	797.7	4.8692	7342.8	802.3	4.8855	7362.7	807.0	4.9018	7382.7	811.8	4.9181
7402.7	816.7	4.9345	7422.8	821.6	4.9510	7442.9	826.5	4.9674	7463.1	831.5	4.9840
7483.3	836.5	5.0006	7503.6	841.5	5.0172	7523.9	846.5	5.0339	7544.3	851.5	5.0506
7564.6	856.5	5.0673	7585.1	861.4	5.0841	7605.5	865.5	5.1010	7625.9	869.5	5.1179
7646.4	873.7	5.1348	7666.9	878.1	5.1518	7687.5	882.5	5.1689	7708.2	887.2	5.1860
7728.9	891.9	5.2031	7749.7	896.7	5.2203	7770.5	901.7	5.2375	7791.4	906.8	5.2548
7812.3	911.9	5.2721	7833.3	917.2	5.2895	7854.4	922.5	5.3069	7875.5	927.8	5.3244
7896.6	933.1	5.3419	7917.8	938.6	5.3594	7939.1	944.0	5.3770	7960.3	949.5	5.3947
7981.7	955.0	5.4124	8003.1	960.5	5.4302	8024.5	966.1	5.4480	8045.9	970.8	5.4658
8067.3	975.2	5.4837	8088.8	979.7	5.5017	8110.3	984.3	5.5197	8132.0	989.1	5.5377
8153.6	994.0	5.5558	8175.3	999.1	5.5740	8197.1	1004.3	5.5921	8219.0	1009.6	5.6104
8240.8	1015.0	5.6287	8262.8	1020.5	5.6470	8284.8	1026.1	5.6654	8306.9	1031.8	5.6839
8329.0	1037.5	5.7024	8351.1	1043.4	5.7209	8373.3	1049.3	5.7395	8395.6	1055.2	5.7581
8417.9	1061.2	5.7768	8440.3	1067.2	5.7956	8462.7	1073.2	5.8144	8485.2	1079.4	5.8332
8507.7	1085.7	5.8521	8530.2	1090.7	5.8711	8552.7	1095.4	5.8901	8575.3	1100.3	5.9091
8598.0	1105.3	5.9282	8620.7	1110.5	5.9474	8643.5	1115.8	5.9666	8666.3	1121.3	5.9858
8689.2	1126.8	6.0051	8712.1	1132.5	6.0245	8735.1	1138.3	6.0439	8758.2	1144.2	6.0634
8781.3	1150.3	6.0829	8804.5	1156.4	6.1025	8827.7	1162.6	6.1221	8851.0	1168.8	6.1418
8874.3	1175.2	6.1615	8897.7	1181.6	6.1813	8921.1	1188.1	6.2011	8944.6	1194.6	6.2210
8968.2	1201.3	6.2410	8991.8	1208.2	6.2609	9015.5	1215.3	6.2810	9039.2	1222.0	6.3011
9062.9	1227.1	6.3213	9086.6	1232.3	6.3415	9110.4	1237.6	6.3617	9134.3	1243.1	6.3821
9158.3	1248.7	6.4024	9182.2	1254.5	6.4229	9206.3	1260.4	6.4434	9230.4	1266.4	6.4639
9254.6	1272.5	6.4845	9278.8	1278.7	6.5051	9303.1	1285.1	6.5258	9327.4	1291.6	6.5466
9351.8	1298.1	6.5674	9376.3	1304.8	6.5883	9400.8	1311.6	6.6092	9425.4	1318.4	6.6302
9450.0	1325.4	6.6512	9474.7	1332.4	6.6723	9499.4	1339.5	6.6935	9524.3	1346.9	6.7147
9549.1	1354.5	6.7360	9574.1	1362.4	6.7573	9599.0	1370.6	6.7787	9624.0	1376.7	6.8001
9649.1	1382.3	6.8216	9674.2	1388.0	6.8432	9699.3	1393.8	6.8648	9724.5	1399.8	6.8864
9749.8	1405.9	6.9082	9772.1	1411.4	6.9273	9797.5	1417.8	6.9491	9823.0	1424.3	6.9710
9848.5	1430.9	6.9930	9874.1	1437.6	7.0150	9899.7	1444.5	7.0370	9925.4	1451.4	7.0592
9951.1	1458.5	7.0814	9977.0	1465.6	7.1036	10002.8	1472.9	7.1259	10028.8	1480.3	7.1483
10054.8	1487.7	7.1707	10080.8	1495.4	7.1932	10106.9	1503.2	7.2157	10133.1	1511.2	7.2383
10159.3	1519.6	7.2610	10185.6	1528.2	7.2837	10212.0	1537.3	7.3065	10238.4	1543.2	7.3293
10264.8	1549.2	7.3522	10291.4	1555.2	7.3752	10317.9	1561.4	7.3982	10344.6	1567.7	7.4213
10371.3	1574.1	7.4444	10398.1	1580.7	7.4676	10424.9	1587.4	7.4909	10451.8	1594.3	7.5142
10478.7	1601.3	7.5376	10505.8	1608.4	7.5610	10532.8	1615.6	7.5846	10560.0	1623.0	7.6081
10587.2	1630.5	7.6318	10614.4	1638.1	7.6555	10641.8	1645.8	7.6792	10669.1	1653.6	7.7031

TRIPLE POINT FOR 40-KT AT 1710-FT HOB REFLECT-4B RUN 84-8

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
10724.1	1669.7	7.7509	10751.7	1677.8	7.7749	10779.3	1686.1	7.7990	10807.0	1694.6	7.8231
10834.8	1703.2	7.8473	10862.6	1712.2	7.8716	10890.4	1721.5	7.8959	10918.4	1731.1	7.9203
10946.3	1741.2	7.9448	10974.4	1749.4	7.9693	11002.6	1756.2	7.9939	11030.8	1763.2	8.0186
11059.1	1770.3	8.0433	11087.4	1777.5	8.0681	11115.8	1784.9	8.0929	11144.3	1792.4	8.1179
11172.8	1800.0	8.1428	11201.4	1807.8	8.1679	11230.1	1815.7	8.1930	11258.8	1823.7	8.2182
11287.6	1831.9	8.2434	11316.5	1840.2	8.2687	11345.4	1848.6	8.2941	11374.4	1857.2	8.3196
11403.4	1865.9	8.3451	11432.6	1874.7	8.3706	11461.7	1883.6	8.3963	11491.0	1892.8	8.4220
11520.3	1902.3	8.4478	11549.6	1912.1	8.4736	11579.0	1922.3	8.4995	11608.5	1932.8	8.5255
11638.0	1943.7	8.5516	11667.6	1951.8	8.5777	11697.4	1958.8	8.6039	11727.2	1965.8	8.6301
11757.1	1972.8	8.6565	11787.1	1979.6	8.6828	11817.1	1987.7	8.7093	11847.3	1995.3	8.7358
11877.4	2003.0	8.7624	11907.7	2010.9	8.7891	11938.0	2018.9	8.8158	11968.3	2027.1	8.8426
11998.7	2035.4	8.8695	12029.2	2043.8	8.8965	12059.8	2052.4	8.9235	12090.4	2061.1	8.9506
12121.1	2070.0	8.9777	12151.9	2079.0	9.0049	12182.7	2088.1	9.0322	12213.6	2097.4	9.0596
12244.6	2106.8	9.0870	12275.6	2116.3	9.1145	12306.7	2126.0	9.1421	12337.8	2135.8	9.1698
12369.0	2145.7	9.1975	12400.3	2155.7	9.2253	12431.6	2166.0	9.2532	12463.0	2176.4	9.2811
12494.5	2187.2	9.3091	12526.0	2198.3	9.3372	12557.6	2209.7	9.3654	12589.2	2221.6	9.3936
12620.8	2233.8	9.4219	12652.7	2242.9	9.4503	12684.7	2251.6	9.4787	12716.8	2260.4	9.5072
12749.0	2269.3	9.5358	12781.2	2278.4	9.5645	12813.4	2287.7	9.5933	12845.8	2297.1	9.6221
12878.2	2306.6	9.6510	12910.7	2316.3	9.6799	12943.2	2326.2	9.7090	12975.8	2336.2	9.7381
13008.5	2346.4	9.7673	13041.2	2356.9	9.7966	13074.0	2367.6	9.8259	13106.9	2378.5	9.8553
13139.8	2389.8	9.8848	13172.7	2401.2	9.9144	13205.8	2413.0	9.9441	13238.8	2425.1	9.9738
13272.0	2437.4	10.0036	13305.2	2449.1	10.0335	13338.6	2460.0	10.0634	13372.1	2470.2	10.0935
13405.8	2480.0	10.1236	13439.5	2489.3	10.1538	13473.3	2498.4	10.1840	13507.3	2507.2	10.2144
13541.3	2515.6	10.2448	13575.5	2523.8	10.2753	13609.7	2531.8	10.3059	13644.1	2539.6	10.3365
13678.5	2547.4	10.3673	13713.0	2555.0	10.3981	13747.6	2563.1	10.4290	13782.1	2572.7	10.4600
13816.7	2582.6	10.4910	13851.4	2592.5	10.5222	13886.2	2602.6	10.5534	13921.0	2612.9	10.5847
13955.9	2623.2	10.6160	13990.8	2633.7	10.6475	14025.9	2644.3	10.6790	14061.0	2655.0	10.7107
14096.2	2665.9	10.7424	14131.4	2676.8	10.7741	14166.8	2687.9	10.8060	14202.2	2699.1	10.8379
14237.6	2710.4	10.8700	14273.2	2721.9	10.9021	14289.1	2717.5	10.9157	14309.2	2723.9	10.9338
14329.3	2730.4	10.9520	14349.4	2737.0	10.9702	14369.5	2743.6	10.9884	14389.7	2750.2	11.0067
14409.9	2756.9	11.0249	14430.1	2763.7	11.0432	14450.3	2770.5	11.0616	14470.6	2777.4	11.0799
14490.9	2784.3	11.0983	14511.2	2791.3	11.1167	14531.6	2798.3	11.1352	14551.9	2805.3	11.1537
14572.3	2812.5	11.1722	14592.7	2819.6	11.1907	14613.2	2826.8	11.2093	14633.7	2834.1	11.2279
14654.1	2841.3	11.2465	14674.7	2848.7	11.2651	14695.2	2856.1	11.2838	14715.8	2863.6	11.3025
14736.4	2871.0	11.3213	14757.0	2878.6	11.3400	14777.6	2886.2	11.3588	14798.3	2893.9	11.3777
14819.0	2901.6	11.3965	14839.7	2909.5	11.4154	14860.4	2917.4	11.4344	14881.2	2925.4	11.4533
14902.0	2933.4	11.4723	14922.8	2941.6	11.4913	14943.6	2949.9	11.5103	14964.4	2958.2	11.5294
14985.6	2964.1	11.5485	15006.7	2970.2	11.5677	15027.9	2976.4	11.5868	15049.0	2982.6	11.6060
15070.3	2988.9	11.6252	15091.5	2995.3	11.6445	15112.7	3001.7	11.6638	15134.0	3008.3	11.6831
15155.3	3014.9	11.7024	15176.7	3021.6	11.7218	15198.0	3028.4	11.7412	15219.4	3035.3	11.7607
15240.8	3042.3	11.7801	15262.2	3049.3	11.7996	15283.6	3056.4	11.8192	15305.1	3063.7	11.8387
15326.6	3070.9	11.8583	15348.1	3078.3	11.8780	15369.6	3085.7	11.8976	15391.2	3093.2	11.9173
15412.8	3100.8	11.9370	15434.4	3108.5	11.9568	15456.0	3116.2	11.9766	15477.7	3124.0	11.9964
15499.4	3131.8	12.0162	15521.1	3139.8	12.0361	15542.8	3147.8	12.0560	15564.6	3155.8	12.0760
15586.2	3164.7	12.0959	15607.8	3174.8	12.1159	15629.5	3184.8	12.1360	15651.1	3194.8	12.1560
15672.8	3204.6	12.1761	15694.6	3214.1	12.1963	15716.5	3223.3	12.2164	15738.4	3232.3	12.2366
15760.3	3241.1	12.2569	15782.3	3249.7	12.2771	15804.4	3258.0	12.2974	15826.5	3266.2	12.3177
15848.7	3274.3	12.3381	15870.9	3282.1	12.3585	15893.2	3289.8	12.3789	15915.6	3297.4	12.3994
15937.9	3304.8	12.4199	15960.4	3312.1	12.4404	15982.9	3319.3	12.4609	16005.4	3326.4	12.4815
16028.0	3333.4	12.5021	16050.6	3340.3	12.5228	16073.2	3347.1	12.5435	16096.0	3353.8	12.5642

TRIPLE POINT FOR 40-KT AT 1710-FT HOB REFLECT-4B RUN 84-8

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
16141.5	3367.1	12.6057	16164.3	3373.6	12.6265	16187.2	3380.1	12.6474	16210.1	3386.5	12.6683
16233.1	3392.8	12.6892	16256.1	3399.1	12.7102	16279.2	3405.3	12.7311	16302.3	3411.6	12.7522
16325.4	3417.8	12.7732	16348.5	3424.1	12.7943	16371.7	3430.3	12.8154	16395.0	3436.4	12.8366
16418.3	3442.5	12.8577	16441.6	3448.5	12.8790	16465.0	3454.4	12.9002	16488.4	3460.3	12.9215
16511.9	3466.2	12.9428	16535.4	3472.0	12.9642	16558.9	3477.8	12.9856	16582.5	3483.6	13.0070
16606.1	3489.4	13.0284	16629.8	3495.1	13.0499	16653.5	3500.8	13.0715	16677.1	3507.7	13.0930
16700.6	3515.0	13.1146	16724.2	3522.3	13.1362	16747.8	3529.7	13.1579	16771.5	3537.2	13.1796
16795.2	3544.7	13.2013	16818.9	3552.3	13.2231	16842.6	3559.9	13.2449	16866.4	3567.6	13.2667
16890.2	3575.4	13.2886	16914.0	3583.2	13.3105	16937.9	3591.0	13.3325	16961.8	3598.9	13.3544
16985.7	3606.9	13.3765	17009.6	3614.9	13.3985	17033.6	3622.9	13.4206	17057.6	3631.0	13.4427
17081.7	3639.1	13.4649	17105.7	3647.3	13.4870	17129.8	3655.5	13.5093	17154.0	3663.7	13.5315
17178.1	3672.0	13.5538	17202.3	3680.3	13.5762	17226.6	3688.7	13.5985	17250.8	3697.1	13.6209
17275.1	3705.5	13.6434	17299.5	3714.0	13.6658	17323.8	3722.5	13.6883	17348.2	3731.0	13.7109
17372.6	3739.5	13.7335	17397.1	3748.1	13.7561	17421.6	3756.7	13.7787	17446.1	3765.4	13.8014
17470.7	3774.1	13.8242	17495.3	3782.8	13.8469	17519.9	3791.6	13.8697	17544.6	3800.5	13.8926
17569.3	3809.4	13.9154	17594.0	3818.4	13.9383	17618.7	3827.4	13.9613	17643.2	3836.4	13.9840
17668.0	3845.6	14.0070	17692.8	3854.8	14.0301	17717.7	3864.1	14.0532	17742.6	3873.4	14.0763
17767.5	3882.8	14.0995	17792.4	3892.4	14.1227	17817.4	3901.9	14.1459	17842.4	3911.6	14.1692
17867.4	3921.3	14.1925	17892.4	3931.1	14.2159	17917.5	3941.0	14.2393	17942.6	3951.0	14.2627
17967.7	3961.1	14.2861	17992.8	3971.3	14.3096	18018.0	3981.7	14.3332	18043.2	3992.1	14.3568
18068.4	4002.7	14.3804	18093.8	4011.6	14.4040	18119.6	4019.3	14.4277	18145.3	4026.9	14.4514
18171.1	4034.5	14.4752	18197.0	4042.1	14.4990	18222.9	4049.7	14.5229	18248.8	4057.3	14.5467
18274.8	4064.8	14.5707	18300.8	4072.3	14.5946	18326.9	4079.7	14.6186	18353.0	4087.3	14.6426
18379.1	4095.0	14.6667	18405.3	4102.5	14.6908	18431.5	4109.9	14.7150	18457.8	4117.2	14.7392
18484.2	4124.5	14.7634	18510.6	4131.6	14.7877	18537.0	4139.3	14.8120	18563.2	4147.9	14.8363
18589.5	4156.4	14.8607	18615.9	4165.1	14.8851	18642.2	4173.9	14.9096	18668.6	4182.7	14.9341
18695.0	4191.6	14.9586	18721.5	4200.6	14.9832	18748.0	4209.7	15.0078	18774.5	4218.8	15.0325
18801.0	4228.1	15.0572	18827.6	4237.4	15.0819	18854.2	4246.8	15.1067	18880.8	4256.3	15.1315
18907.4	4265.8	15.1563	18934.1	4275.4	15.1812	18960.8	4285.2	15.2062	18987.6	4295.0	15.2312
19014.3	4304.9	15.2562	19041.1	4314.8	15.2812	19067.9	4324.8	15.3063	19094.8	4335.0	15.3315
19121.7	4345.1	15.3566	19148.6	4355.4	15.3818	19175.5	4365.7	15.4071	19202.5	4376.2	15.4324
19229.5	4386.6	15.4577	19256.5	4397.2	15.4831	19283.5	4407.8	15.5085	19310.6	4418.6	15.5340
19337.7	4429.3	15.5595	19364.9	4440.2	15.5850	19392.0	4451.2	15.6106	19419.2	4462.2	15.6363
19446.5	4473.3	15.6619	19473.7	4484.5	15.6876	19501.0	4495.8	15.7134	19528.3	4507.2	15.7392
19555.6	4518.6	15.7650	19583.0	4530.2	15.7909	19610.4	4541.8	15.8168	19637.8	4553.6	15.8427
19665.2	4565.4	15.8687	19692.7	4577.4	15.8948	19720.1	4589.9	15.9208	19747.4	4603.0	15.9470
19774.9	4615.6	15.9731	19802.5	4627.9	15.9993	19830.1	4639.8	16.0256	19857.9	4651.5	16.0519
19885.8	4662.8	16.0782	19913.7	4673.9	16.1046	19941.7	4684.7	16.1310	19969.9	4695.4	16.1575
19998.1	4705.8	16.1840	20026.4	4716.0	16.2105	20054.7	4726.0	16.2371	20083.1	4735.9	16.2637
20111.6	4745.6	16.2904	20140.2	4755.2	16.3171	20168.9	4764.6	16.3439	20197.5	4774.3	16.3707
20226.3	4783.8	16.3975	20255.1	4793.1	16.4244	20284.0	4802.1	16.4513	20312.8	4811.7	16.4783
20341.6	4822.0	16.5053	20370.4	4832.3	16.5324	20399.2	4842.8	16.5595	20428.1	4853.4	16.5866
20456.9	4864.0	16.6138	20485.9	4874.8	16.6411	20514.8	4885.6	16.6683	20543.7	4896.6	16.6957
20572.7	4907.7	16.7230	20601.7	4918.9	16.7504	20630.8	4930.2	16.7779	20659.9	4941.6	16.8054
20688.9	4953.1	16.8329	20718.1	4964.6	16.8605	20747.2	4976.3	16.8882	20776.4	4988.1	16.9158
20805.6	5000.1	16.9436	20834.8	5012.1	16.9713	20864.1	5024.2	16.9991	20893.3	5036.4	17.0270
20922.6	5048.8	17.0549	20951.9	5061.2	17.0828	20981.1	5075.0	17.1108	21009.8	5090.8	17.1389
21038.7	5106.5	17.1669	21067.5	5122.3	17.1951	21096.4	5138.1	17.2232	21125.3	5154.0	17.2514
21154.4	5169.6	17.2797	21183.5	5184.7	17.3080	21212.9	5199.3	17.3364	21242.3	5213.7	17.3648
21271.8	5227.7	17.3932	21301.4	5241.4	17.4217	21331.1	5254.9	17.4502	21361.0	5268.1	17.4788

TRIPLE POINT FOR 40-KT AT 1710-FT HOB REFLECT-4B RUN 84-8

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
21420.9	5293.8	17.5361	21451.0	5306.3	17.5648	21481.2	5318.6	17.5936	21511.4	5330.8	17.6224
21541.7	5342.7	17.6512	21572.2	5354.4	17.6801	21602.7	5366.1	17.7090	21633.2	5377.5	17.7380
21663.9	5388.8	17.7670	21694.6	5400.0	17.7960	21725.3	5411.1	17.8251	21756.2	5422.0	17.8542
21786.7	5432.7	17.8830	21817.7	5443.4	17.9122	21848.7	5454.0	17.9415	21879.8	5464.6	17.9708
21911.0	5475.0	18.0002	21942.2	5485.3	18.0296	21973.5	5495.6	18.0590	22004.9	5505.9	18.0885
22036.3	5516.0	18.1180	22067.7	5526.3	18.1476	22099.2	5536.7	18.1772	22130.8	5546.9	18.2068
22162.4	5556.9	18.2365	22194.1	5566.6	18.2663	22225.9	5576.5	18.2961	22257.4	5587.6	18.3259
22289.0	5598.6	18.3558	22320.7	5609.8	18.3857	22352.3	5621.1	18.4156	22384.0	5632.5	18.4457
22415.7	5643.9	18.4757	22447.5	5655.4	18.5058	22479.2	5667.1	18.5359	22511.0	5678.8	18.5661
22542.8	5690.6	18.5963	22574.7	5702.4	18.6266	22606.6	5714.4	18.6569	22638.5	5726.5	18.6873
22670.4	5738.7	18.7177	22702.4	5750.9	18.7482	22734.3	5763.2	18.7786	22766.4	5775.7	18.8092
22798.4	5788.2	18.8398	22830.5	5800.8	18.8704	22862.6	5813.5	18.9011	22894.7	5826.3	18.9318
22926.8	5839.2	18.9626	22959.0	5852.2	18.9934	22991.2	5865.4	19.0242	23023.4	5878.6	19.0551
23055.6	5892.0	19.0861	23087.9	5905.4	19.1171	23120.2	5919.0	19.1481	23152.5	5932.7	19.1792
23184.8	5946.6	19.2103	23217.1	5960.6	19.2415	23249.4	5975.1	19.2727	23281.5	5990.9	19.3040
23313.5	6006.7	19.3353	23345.6	6022.6	19.3667	23377.8	6038.5	19.3981	23410.0	6054.3	19.4295
23442.3	6069.9	19.4610	23474.7	6085.2	19.4926	23507.2	6100.4	19.5241	23539.8	6115.3	19.5558
23572.5	6130.0	19.5875	23605.3	6144.6	19.6192	23638.1	6159.0	19.6510	23671.1	6173.3	19.6828
23704.1	6187.3	19.7147	23737.2	6201.2	19.7466	23770.4	6215.0	19.7785	23803.7	6228.7	19.8105
23837.0	6242.1	19.8426	23870.4	6255.5	19.8747	23903.9	6268.8	19.9069	23937.5	6281.9	19.9391
23971.2	6294.9	19.9713	24004.9	6307.8	20.0036	24038.7	6320.6	20.0359	24072.5	6333.3	20.0683
24106.5	6345.9	20.1008	24140.5	6358.4	20.1332	24174.6	6370.9	20.1658	24208.7	6383.3	20.1984
24243.0	6395.5	20.2310	24277.3	6407.7	20.2637	24311.6	6419.9	20.2964	24346.0	6432.0	20.3292
24380.5	6443.9	20.3620	24415.1	6455.9	20.3948	24449.7	6467.8	20.4278	24484.4	6479.6	20.4607
24519.1	6491.4	20.4937	24553.9	6503.1	20.5268	24588.8	6514.8	20.5599	24623.7	6526.4	20.5931
24658.6	6538.4	20.6263	24693.6	6550.3	20.6595	24728.6	6562.1	20.6928	24763.8	6573.6	20.7262
24799.1	6584.9	20.7596	24834.2	6597.3	20.7930	24869.2	6610.2	20.8265	24904.2	6623.1	20.8601
24939.3	6636.1	20.8937	24974.4	6649.1	20.9273	25009.6	6662.3	20.9610	25044.8	6675.5	20.9948
25080.0	6688.7	21.0286	25115.3	6701.9	21.0624	25150.6	6715.4	21.0963	25185.9	6728.8	21.1303
25221.3	6742.4	21.1643	25256.7	6756.0	21.1983	25292.1	6769.8	21.2324	25327.6	6783.6	21.2665
25363.1	6797.5	21.3007	25398.6	6811.5	21.3350	25434.1	6825.6	21.3693	25469.7	6839.7	21.4036
25505.4	6854.0	21.4380	25541.0	6868.3	21.4725	25576.7	6882.8	21.5070	25612.4	6897.3	21.5415
25648.1	6911.9	21.5761	25683.9	6926.6	21.6108	25719.7	6941.5	21.6455	25755.5	6956.4	21.6802
25791.4	6971.4	21.7150	25827.3	6986.5	21.7499	25863.2	7001.8	21.7848	25899.1	7017.1	21.8197
25935.1	7032.6	21.8547	25971.1	7048.1	21.8898	26007.1	7063.9	21.9249	26043.1	7079.7	21.9601
26079.2	7095.6	21.9953	26115.2	7111.7	22.0305	26151.3	7128.0	22.0658	26187.4	7144.4	22.1012
26223.5	7161.0	22.1366	26259.6	7177.7	22.1721	26295.6	7195.3	22.2076	26331.4	7213.7	22.2432
26367.3	7231.9	22.2788	26403.3	7249.9	22.3145	26439.5	7267.6	22.3502	26475.7	7285.2	22.3860
26512.0	7302.5	22.4219	26548.5	7319.6	22.4578	26585.0	7336.6	22.4937	26621.7	7353.4	22.5297
26658.4	7369.9	22.5657	26695.2	7386.3	22.6018	26732.2	7402.6	22.6380	26769.2	7418.7	22.6742
26806.3	7434.6	22.7105	26843.5	7450.4	22.7468	26878.6	7443.4	22.7761	26915.7	7462.6	22.8130
26952.7	7481.9	22.8500	26989.9	7501.1	22.8870	27027.2	7520.1	22.9241	27064.6	7538.9	22.9613
27102.0	7557.4	22.9985	27139.6	7575.8	23.0358	27177.3	7594.0	23.0731	27215.1	7612.0	23.1105
27253.0	7629.8	23.1479	27291.0	7647.5	23.1854	27329.1	7665.0	23.2229	27367.3	7682.4	23.2605
27405.6	7699.5	23.2982	27444.0	7716.6	23.3359	27482.5	7733.6	23.3737	27521.0	7750.3	23.4115
27559.7	7767.0	23.4494	27598.5	7783.5	23.4873	27637.3	7800.0	23.5253	27676.2	7816.3	23.5633
27715.3	7832.4	23.6014	27754.4	7848.6	23.6396	27793.6	7864.6	23.6778	27832.8	7880.4	23.7161
27872.2	7896.2	23.7544	27911.7	7911.9	23.7928	27951.2	7927.6	23.8312	27990.8	7943.1	23.8698
28030.5	7958.5	23.9083	28070.3	7973.9	23.9469	28110.1	7989.2	23.9856	28150.1	8004.4	24.0243
28190.1	8019.5	24.0631	28230.2	8034.7	24.1020	28270.4	8049.7	24.1409	28310.6	8064.7	24.1798

TRIPLE POINT FOR 40-KT AT 1710-FT HOB REFLECT-4B RUN 84-8

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
28391.4	8094.4	24.2579	28431.9	8109.2	24.2971	28472.3	8124.4	24.3363	28512.8	8139.7	24.3755
28553.4	8154.5	24.4148	28593.9	8170.2	24.4542	28634.4	8186.2	24.4936	28674.9	8202.3	24.5331
28715.4	8218.6	24.5727	28756.0	8234.9	24.6123	28796.6	8251.3	24.6519	28837.2	8267.8	24.6916
28877.9	8284.5	24.7314	28918.6	8301.3	24.7713	28959.3	8318.2	24.8112	29000.0	8335.1	24.8511
29040.8	8352.3	24.8911	29081.6	8369.5	24.9312	29122.5	8386.8	24.9713	29163.4	8404.2	25.0115
29204.3	8421.8	25.0518	29245.2	8439.5	25.0921	29286.2	8457.3	25.1325	29327.1	8475.3	25.1729
29368.1	8493.4	25.2134	29409.2	8511.6	25.2540	29450.3	8529.9	25.2946	29491.3	8548.4	25.3352
29532.4	8567.1	25.3760	29573.5	8585.9	25.4168	29614.7	8604.8	25.4576	29655.8	8624.0	25.4985
29697.0	8643.4	25.5395	29738.1	8662.9	25.5806	29779.3	8682.6	25.6217	29820.3	8703.2	25.6628
29861.1	8724.9	25.7040	29901.9	8746.6	25.7453	29942.7	8768.3	25.7867	29983.5	8790.3	25.8281
30024.4	8812.3	25.8695	30065.3	8834.4	25.9111	30106.3	8856.6	25.9526	30147.4	8878.7	25.9943
30188.5	8900.5	26.0360	30229.8	8922.2	26.0778	30271.3	8943.6	26.1196	30312.8	8964.9	26.1615
30354.4	8986.0	26.2035	30396.2	9006.9	26.2455	30438.1	9027.6	26.2876	30480.0	9048.2	26.3297
30522.1	9068.7	26.3719	30564.3	9088.9	26.4142	30606.7	9109.0	26.4565	30649.1	9128.9	26.4989
30691.7	9148.6	26.5414	30734.3	9168.2	26.5839	30777.1	9187.6	26.6265	30820.0	9206.9	26.6692
30863.0	9226.0	26.7119									

Table 10. Triple point time history for a 40-KT burst at 2052-ft altitude.

(CASE 6)

REFLECT-4B RUN 82-33

TRIPLE POINT FOR 40-KT AT 2052-FT HOB REFLECT-4B RUN 84-7

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
2214.1	0.0	1.3452	2215.1	0.0	1.3457	2216.1	0.0	1.3462	2217.0	0.0	1.3468
2218.0	0.0	1.3473	2219.0	0.0	1.3478	2219.9	0.0	1.3483	2220.9	0.0	1.3488
2221.9	0.0	1.3493	2222.8	0.0	1.3499	2223.8	0.0	1.3504	2224.8	0.0	1.3509
2225.8	0.0	1.3514	2226.7	0.0	1.3519	2227.7	0.0	1.3525	2228.7	0.0	1.3530
2229.6	0.0	1.3535	2230.6	0.0	1.3540	2231.6	0.0	1.3545	2232.6	0.0	1.3551
2233.5	0.1	1.3556	2234.5	0.1	1.3561	2235.5	0.1	1.3566	2236.5	0.1	1.3572
2237.5	0.1	1.3577	2238.4	0.1	1.3582	2239.4	0.1	1.3587	2240.4	0.1	1.3593
2241.4	0.1	1.3598	2242.4	0.1	1.3603	2243.3	0.1	1.3608	2244.3	0.1	1.3614
2245.3	0.1	1.3619	2246.3	0.1	1.3624	2247.3	0.1	1.3629	2248.3	0.1	1.3635
2249.2	0.1	1.3640	2250.2	0.1	1.3645	2251.2	0.1	1.3651	2252.2	0.1	1.3656
2253.2	0.1	1.3661	2254.2	0.1	1.3667	2255.2	0.1	1.3672	2256.2	0.1	1.3677
2257.1	0.1	1.3683	2258.1	0.1	1.3688	2259.1	0.1	1.3693	2260.1	0.1	1.3698
2261.1	0.1	1.3704	2262.1	0.1	1.3709	2263.1	0.2	1.3714	2264.1	0.2	1.3720
2265.1	0.2	1.3725	2266.1	0.2	1.3731	2267.1	0.2	1.3736	2268.0	0.2	1.3741
2269.0	0.2	1.3747	2270.0	0.2	1.3752	2271.0	0.2	1.3758	2272.0	0.2	1.3763
2273.0	0.2	1.3768	2274.0	0.2	1.3774	2275.0	0.2	1.3779	2276.0	0.2	1.3785
2277.0	0.2	1.3790	2278.0	0.2	1.3795	2279.0	0.2	1.3801	2280.0	0.2	1.3806
2281.0	0.2	1.3812	2282.0	0.2	1.3817	2283.0	0.2	1.3823	2284.0	0.2	1.3828
2285.0	0.2	1.3833	2286.0	0.2	1.3839	2287.0	0.2	1.3844	2288.1	0.2	1.3850
2289.1	0.2	1.3855	2290.1	0.2	1.3861	2291.1	0.2	1.3866	2292.1	0.3	1.3872
2293.1	0.3	1.3877	2294.1	0.3	1.3883	2295.2	0.3	1.3888	2296.2	0.3	1.3894
2297.2	0.3	1.3899	2298.2	0.3	1.3905	2299.2	0.3	1.3910	2300.2	0.3	1.3916
2301.3	0.3	1.3921	2302.3	0.4	1.3927	2303.3	0.4	1.3932	2304.3	0.4	1.3938
2305.4	0.4	1.3944	2306.4	0.4	1.3949	2307.4	0.4	1.3955	2308.4	0.4	1.3960
2309.4	0.4	1.3966	2310.5	0.4	1.3971	2311.5	0.4	1.3977	2312.5	0.4	1.3983
2313.5	0.4	1.3988	2314.5	0.4	1.3994	2315.5	0.4	1.3999	2316.6	0.4	1.4005
2317.6	0.4	1.4011	2318.6	0.4	1.4016	2319.6	0.4	1.4022	2320.7	0.4	1.4027
2321.7	0.4	1.4033	2322.7	0.4	1.4039	2323.7	0.4	1.4044	2324.7	0.4	1.4050
2325.8	0.4	1.4055	2326.8	0.4	1.4061	2327.8	0.4	1.4067	2328.9	0.5	1.4072
2329.9	0.5	1.4078	2331.0	0.5	1.4084	2332.0	0.5	1.4089	2333.0	0.5	1.4095
2334.1	0.5	1.4101	2335.1	0.5	1.4106	2336.1	0.5	1.4112	2337.2	0.5	1.4118
2338.2	0.5	1.4124	2339.3	0.6	1.4129	2340.3	0.6	1.4135	2341.3	0.6	1.4141
2342.4	0.6	1.4146	2343.4	0.6	1.4152	2344.5	0.6	1.4158	2345.5	0.6	1.4163
2346.5	0.6	1.4169	2347.6	0.6	1.4175	2348.6	0.6	1.4181	2349.7	0.6	1.4186
2350.7	0.6	1.4192	2351.8	0.6	1.4198	2352.8	0.7	1.4204	2353.9	0.7	1.4209
2354.9	0.7	1.4215	2356.0	0.7	1.4221	2357.0	0.7	1.4227	2358.1	0.7	1.4233
2359.1	0.7	1.4238	2360.2	0.7	1.4244	2361.2	0.7	1.4250	2362.2	0.7	1.4256
2363.3	0.7	1.4261	2364.3	0.7	1.4267	2365.4	0.8	1.4273	2366.4	0.8	1.4279
2367.5	0.8	1.4285	2368.5	0.8	1.4290	2369.6	0.8	1.4296	2370.7	0.8	1.4302
2371.7	0.8	1.4308	2372.8	0.8	1.4314	2373.8	0.8	1.4320	2374.9	0.8	1.4326
2375.9	0.8	1.4331	2377.0	0.8	1.4337	2378.1	0.8	1.4343	2379.1	0.9	1.4349
2380.2	0.9	1.4355	2381.2	0.9	1.4361	2382.3	0.9	1.4367	2383.4	0.9	1.4373
2384.4	0.9	1.4379	2385.5	0.9	1.4384	2386.6	0.9	1.4390	2387.6	0.9	1.4396
2388.7	0.9	1.4402	2389.8	0.9	1.4408	2390.8	0.9	1.4414	2391.9	1.0	1.4420
2393.0	1.0	1.4426	2394.0	1.0	1.4432	2395.1	1.0	1.4438	2396.2	1.0	1.4444
2397.2	1.0	1.4450	2398.3	1.0	1.4456	2399.4	1.0	1.4462	2400.5	1.0	1.4468
2401.5	1.0	1.4474	2402.6	1.1	1.4480	2403.7	1.1	1.4486	2404.8	1.1	1.4492
2405.9	1.1	1.4498	2406.9	1.1	1.4504	2408.0	1.1	1.4510	2409.1	1.1	1.4516
2410.2	1.2	1.4522	2411.2	1.2	1.4528	2412.3	1.2	1.4534	2413.4	1.2	1.4540
2414.5	1.2	1.4546	2415.6	1.2	1.4552	2416.7	1.2	1.4558	2417.7	1.2	1.4564

TRIPLE POINT FOR 40-KT AT 2052-FT HOB REFLECT-4B RUN 84-7

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
2419.9	1.2	1.4576	2421.0	1.3	1.4582	2422.1	1.3	1.4588	2423.2	1.3	1.4594
2424.2	1.3	1.4600	2425.3	1.3	1.4606	2426.4	1.3	1.4612	2427.6	1.3	1.4619
2429.3	1.3	1.4628	2430.9	1.4	1.4637	2432.5	1.4	1.4647	2434.2	1.4	1.4656
2435.8	1.4	1.4665	2437.4	1.4	1.4674	2439.1	1.4	1.4683	2440.7	1.5	1.4692
2442.4	1.5	1.4702	2444.0	1.5	1.4711	2445.6	1.5	1.4720	2447.3	1.5	1.4729
2448.9	1.6	1.4739	2450.6	1.6	1.4748	2452.2	1.6	1.4757	2453.9	1.6	1.4766
2455.5	1.6	1.4776	2457.2	1.7	1.4785	2458.8	1.7	1.4794	2460.5	1.7	1.4804
2462.1	1.7	1.4813	2463.8	1.7	1.4822	2465.5	1.8	1.4832	2467.1	1.8	1.4841
2468.8	1.8	1.4850	2470.5	1.8	1.4860	2472.1	1.9	1.4869	2473.8	1.9	1.4879
2475.5	1.9	1.4888	2477.2	1.9	1.4897	2478.8	2.0	1.4907	2480.5	2.0	1.4916
2482.2	2.0	1.4926	2483.9	2.0	1.4935	2485.5	2.1	1.4945	2487.2	2.1	1.4954
2488.9	2.1	1.4964	2490.6	2.1	1.4973	2492.3	2.2	1.4983	2493.9	2.2	1.4992
2495.6	2.2	1.5002	2497.3	2.2	1.5012	2499.0	2.3	1.5021	2500.7	2.3	1.5031
2502.4	2.3	1.5040	2504.1	2.3	1.5050	2505.8	2.4	1.5060	2507.5	2.4	1.5069
2509.2	2.4	1.5079	2510.9	2.4	1.5089	2512.6	2.5	1.5098	2514.3	2.5	1.5108
2516.0	2.5	1.5118	2517.7	2.5	1.5127	2519.4	2.6	1.5137	2521.1	2.6	1.5147
2522.8	2.6	1.5156	2524.4	2.6	1.5166	2526.1	2.7	1.5175	2527.8	2.7	1.5185
2529.5	2.7	1.5195	2531.1	2.7	1.5204	2532.8	2.8	1.5214	2534.4	2.8	1.5223
2536.1	2.8	1.5232	2537.7	2.8	1.5242	2539.4	2.9	1.5251	2541.1	2.9	1.5261
2542.7	2.9	1.5270	2544.3	3.0	1.5279	2546.0	3.0	1.5289	2547.6	3.0	1.5298
2549.2	3.1	1.5307	2550.8	3.1	1.5317	2552.4	3.1	1.5326	2554.0	3.1	1.5335
2555.6	3.2	1.5344	2557.2	3.2	1.5353	2558.8	3.2	1.5362	2560.4	3.2	1.5372
2562.0	3.3	1.5381	2563.6	3.3	1.5390	2565.1	3.3	1.5399	2566.7	3.3	1.5408
2568.3	3.4	1.5417	2569.9	3.4	1.5426	2571.5	3.4	1.5435	2573.0	3.4	1.5444
2574.6	3.5	1.5453	2576.2	3.5	1.5462	2577.8	3.5	1.5471	2579.3	3.6	1.5480
2580.9	3.6	1.5489	2582.5	3.6	1.5498	2584.0	3.7	1.5507	2585.6	3.7	1.5516
2587.1	3.7	1.5525	2588.7	3.7	1.5534	2591.5	3.8	1.5551	2594.9	3.8	1.5571
2598.4	3.9	1.5591	2601.9	3.9	1.5611	2605.4	4.0	1.5631	2608.8	4.1	1.5651
2612.3	4.1	1.5671	2615.8	4.2	1.5692	2619.3	4.2	1.5712	2622.7	4.3	1.5732
2626.2	4.3	1.5752	2629.7	4.4	1.5773	2633.2	4.5	1.5793	2636.7	4.5	1.5814
2640.2	4.6	1.5834	2643.7	4.6	1.5854	2647.2	4.7	1.5875	2650.7	4.8	1.5895
2654.3	4.9	1.5916	2657.8	5.0	1.5937	2661.4	5.1	1.5957	2664.9	5.1	1.5978
2668.4	5.2	1.5999	2672.0	5.3	1.6019	2675.5	5.4	1.6040	2679.1	5.5	1.6061
2682.6	5.5	1.6082	2686.2	5.6	1.6103	2689.7	5.7	1.6123	2693.3	5.8	1.6144
2696.8	5.8	1.6165	2700.4	5.9	1.6186	2704.0	6.0	1.6207	2707.6	6.1	1.6228
2711.1	6.2	1.6249	2714.7	6.3	1.6271	2718.3	6.4	1.6292	2721.9	6.5	1.6313
2725.5	6.5	1.6334	2729.0	6.6	1.6355	2732.6	6.7	1.6377	2736.2	6.8	1.6398
2739.8	6.9	1.6419	2743.4	7.0	1.6441	2747.0	7.0	1.6462	2750.6	7.2	1.6484
2754.3	7.3	1.6505	2757.9	7.4	1.6527	2761.5	7.5	1.6548	2765.2	7.6	1.6570
2768.8	7.7	1.6591	2772.4	7.8	1.6613	2776.1	7.9	1.6635	2779.7	8.0	1.6656
2783.3	8.0	1.6678	2787.0	8.1	1.6700	2790.6	8.2	1.6722	2794.3	8.3	1.6743
2797.9	8.4	1.6765	2801.6	8.6	1.6787	2805.3	8.7	1.6809	2809.0	8.8	1.6831
2812.6	8.9	1.6853	2816.3	9.0	1.6875	2820.0	9.1	1.6897	2823.6	9.2	1.6919
2827.3	9.3	1.6941	2831.0	9.4	1.6964	2834.7	9.5	1.6986	2838.4	9.6	1.7008
2842.0	9.7	1.7030	2845.7	9.8	1.7053	2849.5	9.9	1.7075	2853.2	10.1	1.7097
2856.9	10.2	1.7120	2860.6	10.3	1.7142	2864.4	10.4	1.7165	2868.1	10.5	1.7187
2871.8	10.7	1.7210	2875.5	10.8	1.7232	2879.2	10.9	1.7255	2883.0	11.0	1.7278
2886.7	11.1	1.7300	2890.4	11.2	1.7323	2894.2	11.3	1.7346	2897.9	11.4	1.7368
2901.7	11.6	1.7391	2905.5	11.7	1.7414	2909.2	11.8	1.7437	2913.0	12.0	1.7460
2916.8	12.1	1.7483	2920.5	12.2	1.7506	2924.3	12.3	1.7529	2928.1	12.4	1.7552

TRIPLE POINT FOR 40-KT AT 2052-FT HOB REFLECT-4B RUN 84-7

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
2935.6	12.7	1.7598	2939.4	12.8	1.7621	2943.2	12.9	1.7644	2946.9	13.0	1.7668
2950.7	13.2	1.7691	2954.0	13.2	1.7711	2958.1	13.4	1.7736	2962.1	13.6	1.7760
2966.1	13.7	1.7785	2970.1	13.8	1.7810	2974.1	14.0	1.7834	2978.1	14.1	1.7859
2982.2	14.2	1.7884	2986.2	14.3	1.7909	2990.3	14.5	1.7934	2994.3	14.6	1.7959
2998.4	14.8	1.7984	3002.5	15.0	1.8009	3006.6	15.1	1.8034	3010.7	15.3	1.8060
3014.8	15.5	1.8085	3018.9	15.6	1.8110	3023.0	15.7	1.8136	3027.1	15.9	1.8161
3031.2	16.0	1.8187	3035.3	16.1	1.8212	3039.4	16.3	1.8238	3043.5	16.4	1.8263
3047.6	16.5	1.8289	3051.8	16.7	1.8315	3055.9	16.8	1.8341	3060.0	16.9	1.8367
3064.2	17.1	1.8393	3068.4	17.3	1.8419	3072.6	17.5	1.8445	3076.8	17.7	1.8471
3081.0	17.9	1.8497	3085.3	18.1	1.8523	3089.5	18.3	1.8549	3093.7	18.5	1.8576
3097.9	18.6	1.8602	3102.1	18.8	1.8628	3106.3	18.9	1.8655	3110.5	19.1	1.8681
3114.7	19.2	1.8708	3119.0	19.4	1.8734	3123.2	19.5	1.8761	3127.5	19.7	1.8788
3131.7	19.9	1.8815	3136.1	20.1	1.8841	3140.4	20.4	1.8868	3144.7	20.6	1.8895
3149.0	20.8	1.8922	3153.3	21.0	1.8949	3157.6	21.1	1.8976	3161.9	21.3	1.9004
3166.2	21.5	1.9031	3170.5	21.6	1.9058	3174.8	21.8	1.9085	3179.1	22.0	1.9113
3183.4	22.1	1.9140	3187.7	22.3	1.9168	3192.1	22.5	1.9195	3196.5	22.7	1.9223
3200.9	22.9	1.9251	3205.3	23.2	1.9278	3209.7	23.4	1.9306	3214.1	23.6	1.9334
3218.5	23.9	1.9362	3222.9	24.1	1.9390	3227.3	24.2	1.9418	3231.7	24.4	1.9446
3236.1	24.6	1.9474	3240.5	24.8	1.9502	3244.9	25.0	1.9530	3249.3	25.1	1.9559
3253.7	25.3	1.9587	3258.2	25.5	1.9615	3262.7	25.8	1.9644	3267.2	26.0	1.9672
3271.7	26.3	1.9701	3276.1	26.6	1.9729	3280.6	26.8	1.9758	3285.1	27.0	1.9787
3289.6	27.2	1.9816	3294.1	27.4	1.9845	3298.6	27.6	1.9873	3303.1	27.8	1.9902
3307.6	28.0	1.9931	3312.1	28.2	1.9960	3316.6	28.4	1.9990	3321.1	28.6	2.0019
3325.7	28.8	2.0048	3330.3	29.1	2.0077	3334.9	29.4	2.0107	3339.5	29.7	2.0136
3344.1	29.9	2.0166	3348.6	30.2	2.0195	3353.2	30.4	2.0225	3357.8	30.6	2.0254
3362.4	30.8	2.0284	3367.0	31.1	2.0314	3371.6	31.3	2.0344	3376.2	31.5	2.0374
3380.8	31.7	2.0403	3386.8	32.0	2.0442	3396.2	32.4	2.0503	3405.6	32.8	2.0565
3415.0	33.3	2.0626	3424.5	33.8	2.0688	3434.1	34.3	2.0750	3443.6	34.9	2.0812
3453.2	35.4	2.0875	3462.8	35.9	2.0938	3472.4	36.4	2.1001	3482.0	36.8	2.1064
3491.7	37.3	2.1128	3501.3	37.8	2.1191	3511.0	38.2	2.1255	3520.7	38.6	2.1320
3530.5	39.1	2.1384	3540.2	39.5	2.1449	3550.0	39.9	2.1514	3559.8	40.4	2.1579
3569.6	40.8	2.1645	3579.5	41.3	2.1710	3589.4	41.8	2.1776	3599.4	42.3	2.1843
3609.4	42.9	2.1909	3619.5	43.6	2.1976	3629.6	44.2	2.2043	3639.7	44.9	2.2110
3649.9	45.6	2.2178	3660.1	46.3	2.2245	3670.3	47.0	2.2313	3680.5	47.6	2.2382
3690.8	48.3	2.2450	3701.1	48.9	2.2519	3711.4	49.6	2.2588	3721.7	50.2	2.2658
3732.0	50.8	2.2727	3742.4	51.5	2.2797	3752.7	52.0	2.2867	3763.2	52.6	2.2938
3773.6	53.3	2.3008	3784.2	54.0	2.3079	3794.7	54.8	2.3150	3805.3	55.5	2.3222
3816.0	56.3	2.3294	3826.6	57.0	2.3366	3837.3	57.8	2.3438	3848.0	58.5	2.3511
3858.7	59.2	2.3583	3869.4	59.9	2.3657	3880.1	60.6	2.3730	3890.9	61.3	2.3804
3901.7	61.9	2.3878	3912.5	62.6	2.3952	3923.3	63.2	2.4026	3934.2	63.9	2.4101
3945.2	64.7	2.4176	3956.2	65.5	2.4251	3967.3	66.4	2.4327	3978.4	67.3	2.4403
3989.5	68.2	2.4479	4000.6	69.0	2.4556	4011.8	69.9	2.4632	4023.0	70.8	2.4709
4034.2	71.6	2.4787	4045.4	72.4	2.4864	4056.7	73.3	2.4942	4068.0	74.1	2.5020
4079.2	74.8	2.5099	4090.5	75.5	2.5178	4101.9	76.3	2.5257	4113.3	77.2	2.5336
4124.8	78.2	2.5416	4136.3	79.1	2.5496	4147.9	80.1	2.5576	4159.5	81.1	2.5656
4171.1	82.1	2.5737	4182.7	83.1	2.5818	4194.4	84.0	2.5900	4206.1	85.0	2.5981
4217.8	85.9	2.6063	4229.5	86.8	2.6145	4241.2	87.7	2.6228	4253.0	88.4	2.6311
4264.8	89.3	2.6394	4276.6	90.3	2.6478	4288.6	91.3	2.6561	4300.6	92.4	2.6646
4312.6	93.5	2.6730	4324.6	94.6	2.6815	4336.7	95.7	2.6900	4348.8	96.8	2.6985
4360.9	97.9	2.7071	4373.1	98.9	2.7156	4385.2	99.9	2.7242	4397.4	101.0	2.7329

TRIPLE POINT FOR 40-KT AT 2052-FT HOB REFLECT-4B RUN 84-7

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
4421.7	102.8	2.7502	4433.9	103.7	2.7589	4446.1	104.8	2.7677	4458.4	105.9	2.7764
4470.8	107.0	2.7852	4483.2	108.2	2.7940	4495.6	109.5	2.8028	4508.1	110.7	2.8117
4520.5	111.9	2.8206	4533.0	113.1	2.8295	4545.5	114.3	2.8384	4558.0	115.4	2.8474
4570.6	116.5	2.8564	4583.0	117.5	2.8654	4595.5	118.4	2.8745	4608.1	119.5	2.8835
4620.7	120.7	2.8926	4633.4	121.9	2.9017	4646.2	123.2	2.9109	4658.9	124.5	2.9201
4671.7	125.8	2.9293	4684.5	127.2	2.9385	4697.4	128.5	2.9477	4710.2	129.8	2.9570
4723.1	131.1	2.9663	4736.0	132.3	2.9757	4748.9	133.6	2.9850	4761.7	134.5	2.9944
4774.6	135.6	3.0038	4787.5	136.7	3.0133	4800.5	138.0	3.0227	4813.6	139.3	3.0322
4826.7	140.7	3.0417	4839.8	142.1	3.0513	4853.0	143.6	3.0609	4866.2	145.0	3.0705
4879.4	146.5	3.0801	4892.6	147.9	3.0897	4905.9	149.3	3.0994	4919.1	150.7	3.1091
4932.4	152.0	3.1189	4945.6	153.0	3.1286	4958.9	154.2	3.1384	4972.2	155.4	3.1482
4985.6	156.8	3.1581	4999.0	158.2	3.1680	5012.5	159.7	3.1779	5026.0	161.3	3.1878
5039.6	162.8	3.1977	5053.2	164.4	3.2077	5066.8	166.0	3.2177	5080.4	167.5	3.2278
5094.0	169.1	3.2378	5107.7	170.6	3.2479	5119.5	171.8	3.2567	5133.0	172.9	3.2668
5146.7	174.1	3.2770	5160.4	175.5	3.2872	5174.2	176.9	3.2974	5188.0	178.5	3.3077
5201.9	180.1	3.3180	5215.8	181.8	3.3283	5229.7	183.5	3.3386	5243.7	185.2	3.3490
5257.7	186.9	3.3594	5271.8	188.5	3.3699	5285.8	190.2	3.3803	5299.9	191.9	3.3908
5313.9	193.4	3.4013	5327.9	194.6	3.4119	5341.9	195.9	3.4224	5356.0	197.3	3.4331
5370.2	198.9	3.4437	5384.4	200.5	3.4544	5398.7	202.2	3.4650	5413.0	204.0	3.4758
5427.4	205.8	3.4865	5441.8	207.6	3.4973	5456.2	209.5	3.5081	5470.7	211.3	3.5190
5485.1	213.1	3.5298	5499.6	214.9	3.5407	5514.1	216.6	3.5517	5528.5	217.8	3.5626
5542.9	219.2	3.5736	5557.4	220.8	3.5846	5572.0	222.4	3.5957	5586.6	224.2	3.6067
5601.3	226.0	3.6179	5616.1	227.9	3.6290	5630.8	229.8	3.6402	5645.7	231.8	3.6514
5660.5	233.8	3.6626	5675.4	235.8	3.6738	5690.3	237.7	3.6851	5705.2	239.7	3.6965
5720.2	241.6	3.7078	5735.0	243.0	3.7192	5749.8	244.4	3.7306	5764.7	246.0	3.7420
5779.7	247.7	3.7535	5794.8	249.6	3.7650	5809.9	251.5	3.7766	5825.1	253.5	3.7881
5840.3	255.5	3.7997	5855.5	257.6	3.8113	5870.8	259.8	3.8230	5886.1	261.9	3.8347
5901.5	264.0	3.8464	5916.9	266.2	3.8582	5932.3	268.3	3.8700	5947.5	270.0	3.8818
5962.8	271.5	3.8936	5978.2	273.1	3.9055	5993.6	274.9	3.9174	6009.1	276.7	3.9293
6024.6	278.7	3.9413	6040.2	280.8	3.9533	6055.8	283.0	3.9654	6071.5	285.2	3.9774
6087.3	287.5	3.9895	6103.0	289.8	4.0017	6118.8	292.1	4.0138	6134.7	294.4	4.0260
6145.5	295.4	4.0345	6162.5	297.2	4.0478	6179.5	299.1	4.0610	6196.7	301.2	4.0743
6213.9	303.4	4.0877	6231.1	305.7	4.1011	6248.5	308.1	4.1146	6265.9	310.5	4.1281
6283.3	312.9	4.1416	6300.8	315.4	4.1552	6318.3	317.8	4.1688	6335.9	320.2	4.1825
6353.5	322.6	4.1962	6371.1	324.9	4.2100	6388.8	327.2	4.2238	6406.5	329.5	4.2377
6424.3	331.7	4.2516	6442.0	334.0	4.2655	6459.9	336.1	4.2795	6477.7	338.3	4.2936
6495.6	340.2	4.3077	6513.5	342.1	4.3218	6531.4	344.1	4.3360	6549.5	346.2	4.3502
6567.6	348.5	4.3645	6585.8	350.9	4.3789	6604.1	353.4	4.3932	6622.4	355.9	4.4076
6640.8	358.6	4.4221	6659.3	361.2	4.4366	6677.8	364.0	4.4512	6696.4	366.8	4.4658
6715.0	369.6	4.4804	6733.7	372.4	4.4951	6752.4	375.3	4.5099	6771.1	378.1	4.5247
6790.0	380.9	4.5395	6808.8	383.7	4.5544	6827.7	386.5	4.5693	6846.7	389.3	4.5843
6865.5	391.5	4.5994	6884.4	393.7	4.6144	6903.4	396.0	4.6296	6922.4	398.5	4.6447
6941.6	401.1	4.6600	6960.8	403.9	4.6752	6980.1	406.7	4.6906	6999.4	409.6	4.7059
7018.8	412.6	4.7214	7038.3	415.6	4.7368	7057.9	418.7	4.7524	7077.5	421.9	4.7679
7097.1	425.0	4.7835	7116.8	428.2	4.7992	7136.5	431.4	4.8149	7156.3	434.6	4.8306
7176.1	437.8	4.8464	7196.0	441.0	4.8623	7215.9	444.2	4.8781	7235.7	446.9	4.8941
7255.5	449.3	4.9100	7275.4	451.8	4.9260	7295.3	454.5	4.9421	7315.4	457.4	4.9582
7335.5	460.3	4.9743	7355.6	463.4	4.9905	7375.9	466.5	5.0068	7396.1	469.8	5.0230
7416.5	473.1	5.0394	7436.9	476.4	5.0557	7457.4	479.9	5.0722	7477.9	483.3	5.0886
7498.4	486.8	5.1051	7519.0	490.3	5.1217	7539.7	493.8	5.1383	7560.4	497.3	5.1549

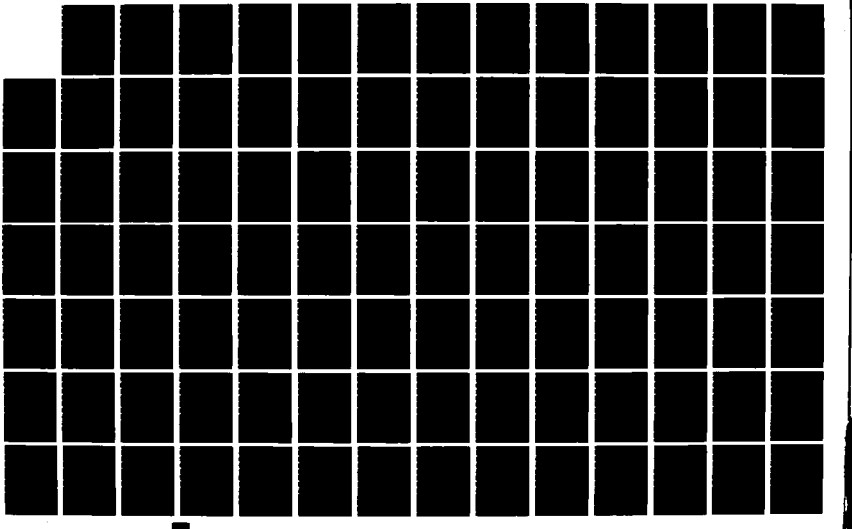
TRIPLE POINT FOR 40-KT AT 2052-FT HOB REFLECT-4B RUN 84-7

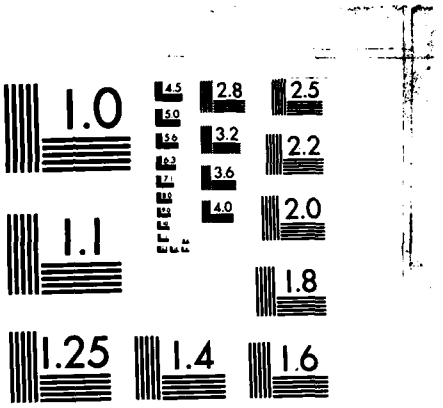
X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
7601.9	504.3	5.1884	7622.7	507.8	5.2052	7643.4	510.3	5.2220	7664.2	513.0	5.2389
7685.0	515.8	5.2558	7705.9	518.7	5.2728	7726.9	521.8	5.2898	7747.9	525.0	5.3069
7769.0	528.3	5.3240	7790.2	531.7	5.3412	7811.4	535.2	5.3584	7832.7	538.8	5.3757
7854.1	542.4	5.3930	7875.5	546.1	5.4103	7896.9	549.9	5.4277	7918.5	553.7	5.4452
7940.0	557.5	5.4627	7961.7	561.4	5.4802	7983.3	565.2	5.4978	8005.0	569.1	5.5155
8026.8	573.0	5.5332	8048.6	576.9	5.5509	8070.4	580.1	5.5687	8092.1	582.9	5.5865
8113.9	585.8	5.6044	8135.7	588.9	5.6224	8157.7	592.2	5.6404	8179.7	595.6	5.6584
8201.8	599.0	5.6765	8223.9	602.7	5.6946	8246.1	606.4	5.7128	8268.4	610.2	5.7311
8290.8	614.1	5.7494	8313.2	618.0	5.7677	8335.6	622.1	5.7861	8358.1	626.2	5.8045
8380.7	630.4	5.8230	8403.4	634.6	5.8416	8426.1	638.8	5.8601	8448.8	643.1	5.8788
8471.6	647.3	5.8975	8494.4	651.6	5.9162	8517.3	656.0	5.9350	8540.2	659.5	5.9539
8563.0	662.6	5.9728	8585.8	665.8	5.9917	8608.8	669.2	6.0107	8631.8	672.7	6.0298
8654.9	676.3	6.0489	8678.1	680.1	6.0680	8701.3	684.0	6.0872	8724.6	688.0	6.1065
8748.0	692.1	6.1258	8771.5	696.3	6.1452	8795.0	700.6	6.1646	8818.5	705.0	6.1841
8842.2	709.4	6.2036	8865.8	713.9	6.2232	8889.6	718.5	6.2428	8913.4	723.1	6.2625
8937.3	727.8	6.2822	8961.2	732.6	6.3020	8985.2	737.3	6.3219	9009.2	742.1	6.3418
9033.3	746.7	6.3617	9057.2	750.0	6.3817	9081.2	753.6	6.4018	9105.3	757.2	6.4219
9129.5	761.0	6.4421	9153.8	764.9	6.4623	9178.1	768.9	6.4826	9202.4	773.1	6.5029
9226.9	777.4	6.5233	9248.5	781.3	6.5413	9273.1	785.8	6.5618	9297.7	790.4	6.5824
9322.4	795.1	6.6030	9347.2	799.9	6.6236	9372.1	804.8	6.6443	9397.0	809.8	6.6651
9422.0	814.8	6.6859	9447.0	820.0	6.7068	9472.1	825.2	6.7278	9497.3	830.4	6.7488
9522.5	835.7	6.7698	9547.8	841.1	6.7909	9573.1	846.3	6.8121	9598.3	850.0	6.8333
9623.6	853.8	6.8546	9648.9	857.8	6.8759	9674.4	861.9	6.8973	9699.9	866.2	6.9188
9725.4	870.5	6.9403	9751.1	875.1	6.9619	9776.8	879.7	6.9835	9802.6	884.5	7.0052
9828.4	889.3	7.0269	9854.4	894.3	7.0487	9880.4	899.4	7.0706	9906.4	904.6	7.0925
9932.6	909.9	7.1145	9958.8	915.3	7.1365	9985.0	920.8	7.1586	10011.4	926.4	7.1807
10037.8	932.1	7.2030	10064.2	937.8	7.2252	10090.8	943.7	7.2476	10117.4	949.7	7.2700
10144.1	955.9	7.2924	10170.7	960.9	7.3149	10197.3	965.0	7.3375	10224.0	969.3	7.3601
10250.7	973.7	7.3828	10277.6	978.2	7.4056	10304.5	982.8	7.4284	10331.4	987.6	7.4512
10358.5	992.5	7.4742	10385.6	997.6	7.4972	10412.8	1002.7	7.5202	10440.1	1007.9	7.5434
10467.4	1013.3	7.5665	10494.8	1018.8	7.5898	10522.3	1024.4	7.6131	10549.9	1030.1	7.6364
10577.5	1035.9	7.6599	10605.2	1041.8	7.6834	10632.9	1047.9	7.7069	10660.8	1054.0	7.7305
10688.7	1060.3	7.7542	10716.7	1066.7	7.7779	10744.7	1073.4	7.8018	10772.9	1080.4	7.8256
10801.0	1086.4	7.8496	10829.1	1090.9	7.8735	10857.2	1095.5	7.8976	10885.5	1100.3	7.9217
10913.8	1105.2	7.9459	10942.1	1110.2	7.9702	10970.6	1115.4	7.9945	10999.1	1120.7	8.0189
11027.7	1126.1	8.0433	11056.4	1131.7	8.0678	11085.1	1137.4	8.0924	11114.0	1143.1	8.1170
11142.9	1149.1	8.1417	11171.8	1155.1	8.1665	11200.9	1161.3	8.1913	11230.0	1167.6	8.2162
11259.2	1174.0	8.2412	11288.5	1180.5	8.2662	11317.8	1187.2	8.2913	11347.2	1194.0	8.3165
11376.7	1201.0	8.3417	11406.3	1208.2	8.3670	11436.0	1215.8	8.3924	11465.7	1223.7	8.4178
11495.4	1230.5	8.4433	11525.1	1235.5	8.4689	11554.9	1240.6	8.4945	11584.8	1245.9	8.5202
11614.7	1251.2	8.5460	11644.7	1256.8	8.5718	11674.8	1262.4	8.5977	11705.0	1268.2	8.6237
11735.2	1274.1	8.6497	11765.5	1280.1	8.6758	11795.9	1286.3	8.7020	11826.4	1292.6	8.7282
11857.0	1299.0	8.7546	11887.6	1305.6	8.7810	11918.3	1312.3	8.8074	11949.1	1319.1	8.8339
11979.9	1326.0	8.8605	12010.8	1333.1	8.8872	12041.8	1340.4	8.9139	12072.9	1347.7	8.9407
12104.1	1355.5	8.9676	12135.3	1363.4	8.9945	12166.7	1371.7	9.0216	12198.1	1380.3	9.0487
12229.6	1389.3	9.0758	12261.0	1394.8	9.1030	12292.5	1400.4	9.1303	12324.1	1406.2	9.1577
12355.8	1412.1	9.1852	12387.5	1418.1	9.2127	12419.3	1424.3	9.2403	12451.2	1430.6	9.2679
12483.2	1437.0	9.2957	12515.2	1443.6	9.3235	12547.4	1450.3	9.3513	12579.6	1457.1	9.3793
12611.9	1464.0	9.4073	12644.2	1471.2	9.4354	12676.7	1478.4	9.4636	12709.2	1485.8	9.4918
12741.8	1493.3	9.5202	12774.5	1500.9	9.5485	12807.3	1508.7	9.5770	12840.1	1516.7	9.6056

AD-A160 567 REFLECT-4 CODE COMPUTATIONS OF 40 KT NUCLEAR BLAST WAVES REFLECTED FROM T... (U) KAMAN AVIDYNE BURLINGTON MA R F SMILEY ET AL 14 SEP 84 KA-TR-222-VOL-2

3/6

UNCLASSIFIED DNA-TR-84-348-V2 DNA001-83-C-0351 F/G 18/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TRIPLE POINT FOR 40-KT AT 2052-FT HOB REFLECT-4B RUN 84-7

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
12906.1	1533.8	9.6629	12939.1	1542.8	9.6916	12972.3	1552.1	9.7205	13005.6	1561.8	9.7494
13038.9	1569.4	9.7784	13072.2	1575.7	9.8075	13105.6	1581.9	9.8366	13139.1	1588.2	9.8658
13172.6	1594.6	9.8951	13206.3	1601.1	9.9245	13240.0	1607.8	9.9539	13273.8	1614.7	9.9835
13307.7	1621.6	10.0131	13341.7	1628.7	10.0427	13375.8	1635.9	10.0725	13409.9	1643.3	10.1023
13444.1	1650.8	10.1323	13478.4	1658.4	10.1622	13512.8	1666.2	10.1923	13547.3	1674.2	10.2225
13581.8	1682.2	10.2527	13616.4	1690.5	10.2830	13647.0	1697.8	10.3097	13681.7	1706.3	10.3402
13716.6	1715.0	10.3707	13751.5	1724.0	10.4013	13786.6	1733.2	10.4320	13821.7	1742.8	10.4628
13856.9	1752.9	10.4936	13892.1	1763.2	10.5246	13927.5	1774.1	10.5556	13962.9	1784.4	10.5867
13998.4	1791.3	10.6178	14034.0	1798.4	10.6491	14069.6	1805.6	10.6804	14105.4	1812.9	10.7118
14141.2	1820.4	10.7433	14177.1	1828.0	10.7749	14213.1	1835.8	10.8066	14249.2	1843.6	10.8383
14285.4	1851.7	10.8701	14321.6	1859.8	10.9020	14357.9	1868.2	10.9340	14394.4	1876.6	10.9661
14430.9	1885.2	10.9982	14467.4	1894.0	11.0305	14504.1	1902.9	11.0628	14540.9	1912.0	11.0952
14577.7	1921.4	11.1277	14614.6	1931.0	11.1602	14651.6	1941.0	11.1929	14688.7	1951.2	11.2256
14725.8	1961.9	11.2584	14763.1	1972.9	11.2913	14800.4	1984.3	11.3243	14837.8	1993.0	11.3574
14875.3	2000.8	11.3906	14913.0	2007.2	11.4238	14950.7	2014.7	11.4571	14988.5	2022.1	11.4906
15026.4	2029.3	11.5241	15064.4	2038.7	11.5576	15102.4	2046.7	11.5913	15140.6	2054.8	11.6251
15178.8	2063.2	11.6589	15217.1	2071.6	11.6929	15255.6	2080.2	11.7269	15294.1	2088.9	11.7610
15332.6	2097.8	11.7952	15371.3	2106.8	11.8295	15410.1	2115.9	11.8638	15448.9	2125.3	11.8983
15487.9	2134.7	11.9328	15526.9	2144.3	11.9675	15566.0	2154.1	12.0022	15605.2	2164.0	12.0370
15644.5	2174.0	12.0719	15683.9	2184.2	12.1069	15723.3	2194.7	12.1420	15762.8	2205.3	12.1772
15802.5	2216.2	12.2124	15842.2	2227.4	12.2478	15882.0	2239.0	12.2832	15921.8	2251.0	12.3188
15961.8	2263.3	12.3544	16001.8	2276.2	12.3901	16041.8	2289.5	12.4259	16082.1	2300.2	12.4618
16122.5	2309.3	12.4978	16163.0	2318.5	12.5339	16203.6	2328.0	12.5701	16244.3	2337.5	12.6063
16285.1	2347.3	12.6427	16326.0	2357.2	12.6791	16366.9	2367.2	12.7157	16407.9	2377.4	12.7523
16449.1	2387.8	12.7891	16490.3	2398.4	12.8259	16531.6	2409.3	12.8628	16573.0	2420.5	12.8998
16614.5	2431.9	12.9369	16656.0	2443.6	12.9741	16697.6	2455.6	13.0114	16739.4	2467.9	13.0488
16781.2	2480.6	13.0863	16823.0	2493.5	13.1239	16865.0	2506.8	13.1616	16907.1	2519.0	13.1994
16949.4	2530.4	13.2372	16991.7	2541.3	13.2752	17034.2	2551.6	13.3133	17076.9	2561.5	13.3515
17119.6	2571.0	13.3897	17162.5	2580.4	13.4281	17205.4	2589.4	13.4665	17248.5	2598.1	13.5051
17291.8	2606.6	13.5438	17335.1	2614.8	13.5825	17378.5	2622.9	13.6214	17422.0	2633.1	13.6603
17465.5	2643.5	13.6994	17509.1	2654.0	13.7385	17552.8	2664.7	13.7778	17596.7	2675.5	13.8171
17640.6	2686.4	13.8566	17684.6	2697.5	13.8961	17728.7	2708.8	13.9358	17772.9	2720.1	13.9755
17817.2	2731.7	14.0154	17861.5	2743.4	14.0553	17906.0	2755.2	14.0954	17950.6	2767.2	14.1356
17995.3	2779.4	14.1758	18040.0	2791.7	14.2162	18084.9	2804.2	14.2566	18129.8	2817.0	14.2972
18174.9	2829.9	14.3379	18220.0	2843.2	14.3787	18265.2	2856.8	14.4195	18310.5	2870.7	14.4605
18355.9	2885.0	14.5016	18401.3	2899.7	14.5428	18446.8	2914.8	14.5841	18492.4	2930.4	14.6255
18538.0	2946.6	14.6670	18583.9	2961.9	14.7086	18630.1	2973.5	14.7504	18676.3	2985.4	14.7922
18722.7	2997.6	14.8341	18769.2	3010.0	14.8762	18815.7	3022.6	14.9183	18862.4	3035.5	14.9605
18909.1	3048.7	15.0029	18956.0	3062.1	15.0454	19002.9	3075.9	15.0880	19049.9	3089.9	15.1306
19097.0	3104.2	15.1734	19144.1	3118.8	15.2163	19191.4	3133.7	15.2593	19238.7	3149.0	15.3025
19286.0	3166.1	15.3457	19333.3	3184.7	15.3890	19380.8	3202.0	15.4325	19428.5	3218.1	15.4760
19476.4	3233.3	15.5197	19524.5	3247.7	15.5635	19572.7	3261.4	15.6074	19621.2	3274.4	15.6514
19669.8	3286.9	15.6955	19718.5	3298.9	15.7397	19767.4	3310.7	15.7840	19816.4	3322.3	15.8285
19838.8	3315.0	15.8477	19866.9	3323.8	15.8734	19895.0	3333.1	15.8991	19923.0	3344.4	15.9249
19951.0	3355.7	15.9507	19979.1	3366.9	15.9765	20007.2	3378.0	16.0024	20035.4	3388.8	16.0284
20063.7	3399.2	16.0543	20092.0	3409.4	16.0803	20120.4	3419.3	16.1064	20148.9	3429.0	16.1325
20177.4	3438.4	16.1586	20206.0	3447.6	16.1848	20234.7	3456.7	16.2110	20263.4	3465.5	16.2373
20292.2	3474.2	16.2636	20321.0	3482.7	16.2899	20349.9	3491.1	16.3163	20378.9	3499.3	16.3428
20407.9	3507.4	16.3692	20436.9	3515.3	16.3957	20466.1	3523.1	16.4223	20495.2	3530.8	16.4489
20524.5	3538.5	16.4755	20553.8	3546.0	16.5022	20583.1	3553.4	16.5290	20612.5	3560.7	16.5557

TRIPLE POINT FOR 40-KT AT 2052-FT HOB REFLECT-4B RUN 84-7

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
20671.5	3575.1	16.6094	20701.1	3582.2	16.6363	20730.7	3589.3	16.6633	20760.3	3596.2	16.6903
20790.1	3603.1	16.7173	20819.8	3610.0	16.7444	20849.6	3617.1	16.7715	20879.5	3624.1	16.7986
20909.4	3630.9	16.8258	20939.4	3637.7	16.8531	20969.4	3644.3	16.8804	20999.5	3650.9	16.9077
21029.6	3657.3	16.9351	21059.8	3663.7	16.9625	21090.0	3670.3	16.9900	21120.2	3678.1	17.0175
21150.3	3685.9	17.0451	21180.6	3693.7	17.0727	21210.8	3701.7	17.1003	21241.1	3709.7	17.1280
21271.5	3717.7	17.1557	21301.9	3725.8	17.1835	21332.3	3733.9	17.2113	21362.8	3742.2	17.2392
21393.3	3750.4	17.2671	21423.8	3758.7	17.2951	21454.4	3767.0	17.3231	21485.1	3775.4	17.3511
21515.7	3783.9	17.3792	21546.5	3792.4	17.4074	21577.2	3800.9	17.4356	21608.0	3809.5	17.4638
21638.9	3818.2	17.4921	21669.8	3826.9	17.5204	21700.7	3835.7	17.5488	21731.6	3844.6	17.5772
21762.6	3853.6	17.6056	21793.7	3862.6	17.6341	21824.8	3871.7	17.6627	21855.9	3880.9	17.6913
21887.0	3890.2	17.7199	21918.2	3899.5	17.7486	21949.5	3908.9	17.7773	21980.7	3918.4	17.8061
22012.1	3928.0	17.8349	22043.4	3937.7	17.8638	22074.8	3947.4	17.8927	22106.2	3957.3	17.9217
22137.7	3967.2	17.9507	22169.2	3977.2	17.9798	22200.7	3987.3	18.0089	22232.3	3997.5	18.0380
22263.9	4007.8	18.0672	22295.6	4018.2	18.0965	22327.3	4028.7	18.1258	22359.0	4039.3	18.1551
22390.7	4050.1	18.1845	22422.5	4061.0	18.2139	22454.3	4072.2	18.2434	22486.2	4083.2	18.2729
22518.1	4094.1	18.3025	22550.1	4104.7	18.3321	22582.2	4115.2	18.3618	22614.3	4125.5	18.3915
22646.5	4135.7	18.4213	22678.8	4145.6	18.4511	22711.2	4155.5	18.4810	22743.6	4165.2	18.5109
22776.1	4174.8	18.5408	22808.6	4184.3	18.5708	22841.2	4193.7	18.6009	22873.9	4202.9	18.6310
22906.7	4212.1	18.6612	22939.5	4221.1	18.6914	22972.4	4230.0	18.7216	23005.3	4238.9	18.7519
23038.3	4247.7	18.7823	23071.3	4256.3	18.8127	23104.5	4264.9	18.8431	23137.7	4273.5	18.8736
23170.9	4282.0	18.9041	23204.2	4290.4	18.9347	23237.6	4298.7	18.9654	23271.0	4307.0	18.9961
23304.5	4315.2	19.0268	23338.0	4323.8	19.0576	23371.6	4332.2	19.0884	23405.2	4340.4	19.1193
23438.9	4348.5	19.1503	23472.7	4356.4	19.1813	23506.5	4364.8	19.2123	23540.2	4374.1	19.2434
23574.0	4383.5	19.2745	23607.7	4393.0	19.3057	23641.6	4402.5	19.3369	23675.4	4412.1	19.3682
23709.3	4421.7	19.3995	23743.3	4431.4	19.4308	23777.3	4441.1	19.4622	23811.3	4451.0	19.4937
23845.4	4460.9	19.5252	23879.5	4470.8	19.5567	23913.6	4480.8	19.5883	23947.8	4490.9	19.6200
23982.0	4501.0	19.6516	24016.3	4511.1	19.6834	24050.6	4521.3	19.7151	24085.0	4531.6	19.7470
24119.4	4542.0	19.7788	24153.8	4552.3	19.8107	24188.3	4562.8	19.8427	24222.8	4573.4	19.8747
24257.3	4584.0	19.9068	24291.9	4594.7	19.9389	24326.5	4605.4	19.9710	24361.2	4616.3	20.0032
24395.9	4627.3	20.0355	24430.6	4638.3	20.0678	24465.4	4649.3	20.1001	24500.2	4660.5	20.1325
24535.0	4671.8	20.1649	24569.5	4683.0	20.1970	24604.4	4694.4	20.2295	24639.3	4705.9	20.2621
24674.3	4717.5	20.2947	24709.3	4729.2	20.3274	24744.4	4741.0	20.3601	24779.5	4752.9	20.3929
24814.6	4764.9	20.4257	24849.8	4776.9	20.4586	24885.0	4789.1	20.4915	24920.3	4801.4	20.5244
24955.5	4813.7	20.5575	24990.8	4826.2	20.5905	25026.2	4838.8	20.6236	25061.5	4851.5	20.6568
25096.9	4864.4	20.6900	25132.4	4877.3	20.7232	25167.8	4890.4	20.7565	25203.3	4903.6	20.7899
25238.8	4917.0	20.8233	25274.4	4930.5	20.8568	25310.2	4942.7	20.8903	25346.1	4954.6	20.9238
25382.0	4966.2	20.9574	25418.1	4977.6	20.9911	25454.2	4988.9	21.0247	25490.4	5000.1	21.0585
25526.7	5011.1	21.0923	25563.1	5022.0	21.1261	25599.5	5032.7	21.1600	25636.0	5043.4	21.1940
25672.6	5053.9	21.2280	25709.2	5064.3	21.2620	25745.9	5074.6	21.2961	25782.7	5084.9	21.3303
25819.5	5095.0	21.3645	25856.3	5105.7	21.3987	25893.2	5115.9	21.4330	25930.2	5125.9	21.4673
25967.2	5136.6	21.5017	26004.1	5147.7	21.5362	26041.1	5159.0	21.5707	26078.1	5170.3	21.6052
26115.2	5181.8	21.6398	26152.3	5193.3	21.6745	26189.4	5204.9	21.7092	26226.6	5216.7	21.7439
26263.8	5228.5	21.7787	26301.0	5240.4	21.8136	26338.3	5252.4	21.8485	26375.6	5264.6	21.8835
26412.9	5276.9	21.9185	26450.3	5289.2	21.9535	26487.7	5301.6	21.9886	26525.2	5314.2	22.0238
26562.7	5326.8	22.0590	26600.2	5339.5	22.0943	26637.8	5352.3	22.1296	26675.4	5365.3	22.1650
26713.0	5378.4	22.2004	26750.7	5391.5	22.2359	26788.4	5404.8	22.2714	26826.1	5418.2	22.3070
26863.9	5431.7	22.3426	26901.7	5445.3	22.3783	26939.5	5459.0	22.4140	26977.4	5472.9	22.4498
27015.3	5486.9	22.4856	27053.3	5500.9	22.5215	27091.2	5515.1	22.5575	27129.2	5529.5	22.5935
27167.3	5544.0	22.6295	27205.3	5558.6	22.6656	27242.9	5576.3	22.7018	27280.6	5593.7	22.7380
27318.4	5610.6	22.7742	27356.4	5627.2	22.8105	27394.4	5643.4	22.8469	27432.6	5659.3	22.8833

TRIPLE POINT FOR 40-KT AT 2052-FT HOB REFLECT-4B RUN 84-7

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
27509.2	5690.1	22.9563	27547.7	5705.0	22.9929	27586.3	5719.7	23.0296	27625.0	5734.2	23.0662
27663.7	5748.3	23.1030	27702.6	5762.2	23.1398	27741.6	5776.0	23.1766	27780.7	5789.5	23.2135
27819.8	5802.8	23.2505	27859.1	5815.9	23.2875	27898.4	5828.9	23.3246	27937.8	5841.7	23.3617
27977.3	5854.3	23.3989	28016.9	5866.8	23.4361	28056.5	5879.1	23.4734	28096.3	5891.3	23.5107
28136.1	5903.4	23.5481	28175.9	5915.9	23.5856	28215.8	5928.3	23.6231	28255.9	5940.0	23.6606
28295.8	5952.8	23.6982	28335.8	5965.8	23.7359	28375.8	5978.8	23.7736	28415.8	5992.0	23.8114
28455.9	6005.3	23.8493	28496.0	6018.6	23.8871	28536.1	6032.2	23.9251	28576.3	6045.8	23.9631
28616.5	6059.5	24.0011	28656.8	6073.4	24.0393	28697.0	6087.4	24.0774	28737.4	6101.5	24.1156
28777.7	6115.7	24.1539	28818.1	6130.1	24.1923	28858.5	6144.6	24.2307	28899.0	6159.2	24.2691
28939.4	6174.0	24.3076	28979.9	6188.9	24.3462	29020.5	6204.0	24.3848	29061.1	6219.2	24.4235
29101.7	6234.6	24.4622	29142.3	6250.1	24.5010	29182.9	6265.8	24.5398	29223.3	6283.2	24.5787
29263.7	6301.1	24.6177	29304.0	6319.0	24.6567	29344.5	6337.1	24.6958	29384.9	6355.2	24.7349
29425.4	6373.5	24.7741	29466.0	6391.8	24.8133	29506.6	6409.9	24.8526	29547.3	6427.7	24.8920
29588.2	6445.2	24.9314	29629.2	6462.5	24.9709	29670.2	6479.7	25.0104	29711.4	6496.5	25.0500
29752.7	6513.2	25.0897	29794.0	6529.6	25.1294	29835.5	6545.9	25.1691	29877.0	6561.9	25.2090
29918.7	6577.8	25.2488	29960.4	6593.5	25.2888	30002.3	6609.0	25.3288	30044.2	6624.4	25.3688
30086.2	6639.6	25.4089	30128.4	6654.6	25.4491	30170.6	6669.5	25.4893	30212.9	6684.3	25.5296
30255.2	6698.9	25.5700	30297.7	6713.4	25.6104	30339.7	6727.6	25.6503	30382.4	6741.8	25.6909
30425.1	6755.9	25.7314	30467.9	6770.0	25.7721	30510.8	6783.9	25.8128	30553.8	6797.7	25.8536
30596.8	6811.4	25.8944	30640.0	6825.0	25.9353	30683.2	6838.6	25.9762	30726.3	6853.0	26.0172
30769.6	6866.7	26.0583	30813.1	6880.0	26.0994	30856.4	6894.3	26.1406	30899.8	6908.6	26.1818
30943.2	6923.1	26.2231	30986.6	6937.7	26.2645	31030.1	6952.4	26.3059	31073.6	6967.3	26.3474
31117.2	6982.2	26.3890	31160.8	6997.1	26.4306	31204.5	7012.1	26.4722	31248.3	7027.2	26.5140
31292.1	7042.3	26.5557	31335.9	7057.4	26.5976	31379.9	7072.4	26.6395	31423.9	7087.6	26.6815
31468.0	7102.9	26.7235	31512.0	7118.3	26.7656	31556.1	7133.9	26.8078	31600.3	7149.6	26.8500
31644.5	7165.5	26.8923	31688.6	7181.5	26.9346	31732.9	7197.7	26.9770	31777.1	7214.1	27.0195
31821.4	7230.6	27.0620	31865.7	7247.4	27.1046	31910.0	7264.4	27.1473	31954.3	7281.6	27.1900
31998.7	7299.0	27.2327	32043.2	7316.0	27.2756	32087.7	7333.3	27.3185	32132.2	7351.3	27.3615
32176.7	7369.4	27.4045	32221.2	7387.6	27.4476	32265.7	7405.9	27.4907	32310.3	7424.3	27.5339
32355.0	7442.8	27.5772	32399.7	7461.3	27.6206	32444.5	7479.7	27.6640	32489.4	7497.9	27.7074
32534.4	7515.9	27.7510	32579.5	7533.8	27.7946	32624.6	7551.6	27.8382	32669.9	7569.3	27.8820
32715.3	7586.8	27.9258	32760.7	7604.2	27.9696	32806.3	7621.5	28.0135	32851.9	7638.7	28.0575
32897.7	7655.7	28.1016	32943.5	7672.7	28.1457	32989.4	7689.6	28.1898	33035.4	7706.3	28.2341
33081.5	7722.9	28.2784	33127.6	7739.5	28.3227	33173.9	7756.0	28.3672	33220.3	7772.3	28.4117
33266.7	7788.6	28.4562	33313.2	7804.8	28.5009	33359.8	7820.9	28.5456	33406.5	7836.9	28.5903
33453.3	7852.9	28.6351	33500.2	7868.8	28.6800	33547.1	7884.6	28.7250	33594.2	7900.3	28.7700
33641.3	7915.9	28.8151	33688.5	7931.5	28.8602	33735.8	7947.1	28.9055	33783.2	7962.5	28.9507
33830.6	7977.9	28.9961	33878.2	7993.2	29.0415	33925.8	8008.5	29.0870	33973.5	8023.7	29.1325
34021.3	8038.8	29.1782	34069.2	8054.0	29.2238	34117.0	8069.6	29.2696	34164.9	8085.4	29.3154
34212.9	8100.5	29.3613	34260.9	8116.3	29.4072	34309.0	8132.2	29.4532	34357.1	8148.2	29.4993
34405.2	8164.3	29.5455	34453.4	8180.6	29.5917	34501.6	8196.9	29.6380	34549.9	8213.3	29.6843
34598.2	8229.9	29.7308	34646.5	8246.6	29.7772	34694.9	8263.4	29.8238	34743.4	8280.2	29.8704
34791.9	8297.2	29.9171	34840.4	8314.4	29.9639	34889.0	8331.6	30.0107	34937.6	8349.0	30.0576
34986.2	8366.5	30.1046	35034.9	8384.2	30.1516	35083.6	8402.0	30.1987	35132.4	8419.8	30.2459
35181.2	8437.9	30.2931	35230.0	8456.2	30.3404	35278.9	8474.5	30.3878	35327.8	8493.1	30.4352
35376.7	8511.8	30.4828	35425.7	8530.7	30.5303	35474.7	8549.8	30.5780	35523.7	8569.0	30.6257
35572.7	8588.6	30.6735	35621.8	8608.3	30.7214	35670.8	8628.3	30.7693	35719.9	8648.4	30.8173
35768.8	8669.5	30.8654	35817.8	8690.7	30.9135	35866.8	8711.9	30.9618	35915.9	8733.3	31.0100
35965.0	8754.9	31.0584	36014.1	8776.6	31.1068	36063.3	8798.3	31.1553	36112.6	8819.9	31.2039
36162.0	8841.5	31.2525	36211.4	8862.8	31.3012	36261.1	8884.0	31.3500	36310.8	8905.0	31.3989

TRIPLE POINT FOR 40-KT AT 2052-FT HOB REFLECT-4B RUN 84-7

X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)	X(FT)	Y(FT)	T(SEC)
36410.5	8946.8	31.4968	36460.5	8967.5	31.5458	36510.6	8988.0	31.5950	36560.9	9008.5	31.6442
36611.2	9028.8	31.6935	36661.6	9048.9	31.7428	36712.2	9068.9	31.7922	36762.8	9088.9	31.8417
36813.5	9108.8	31.8913	36864.4	9128.5	31.9409	36915.3	9148.1	31.9906	36966.4	9167.6	32.0404
37017.5	9187.1	32.0903	37068.8	9206.4	32.1402	37120.1	9225.6	32.1902	37171.5	9244.7	32.2403
37223.1	9263.8	32.2904	37274.7	9282.7	32.3407	37326.5	9301.5	32.3910			

APPENDIX A

PRESSURE AND IMPULSE TIME HISTORIES FOR 1026-FT HOB

This appendix presents plotted time histories of ground-level overpressure, dynamic pressure and the corresponding two impulses for a 40-KT nuclear burst at a height of burst of 1026-ft (Case 4 of Table 1), computed by the REFLECT-4 code. Code and run details are described in Volume I.

The data presented are for a composite of several REFLECT-4 code runs which is designated as REFLECT-4 Run 84-6. This run uses the results of REFLECT-4A Run 84-1 and REFLECT-4B run 84-6 (Case 2).

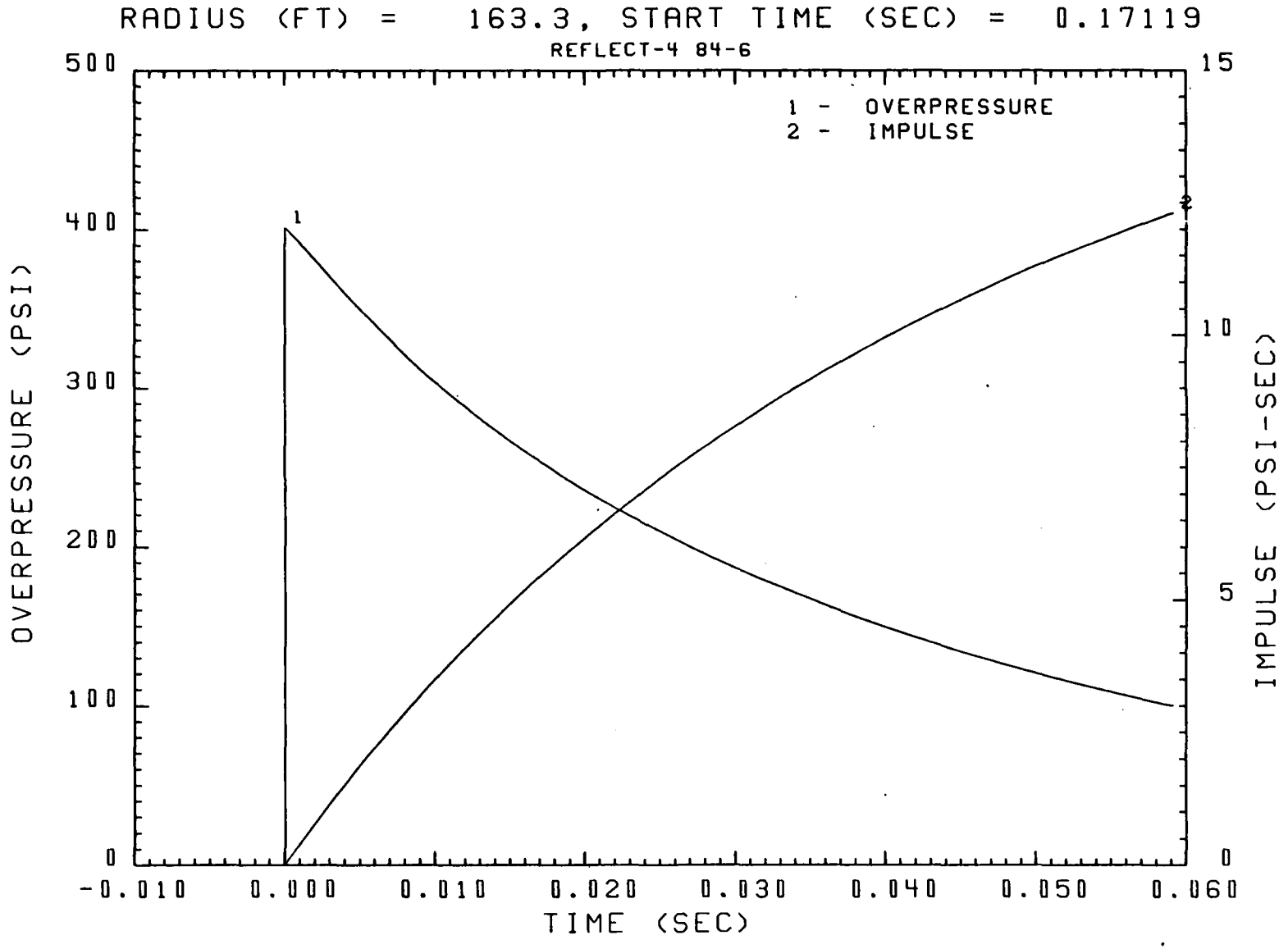
Table 11 indicates the ground ranges and maximum overpressures for which time histories of overpressure and overpressure impulse are presented in Figure 1. Table 12 indicates the ground ranges and maximum dynamic pressures for which time histories of dynamic pressure and dynamic pressure impulse are presented in Figure 2. Time history plots are presented for two time scales, one shorter than the positive duration and the other considerably longer.*

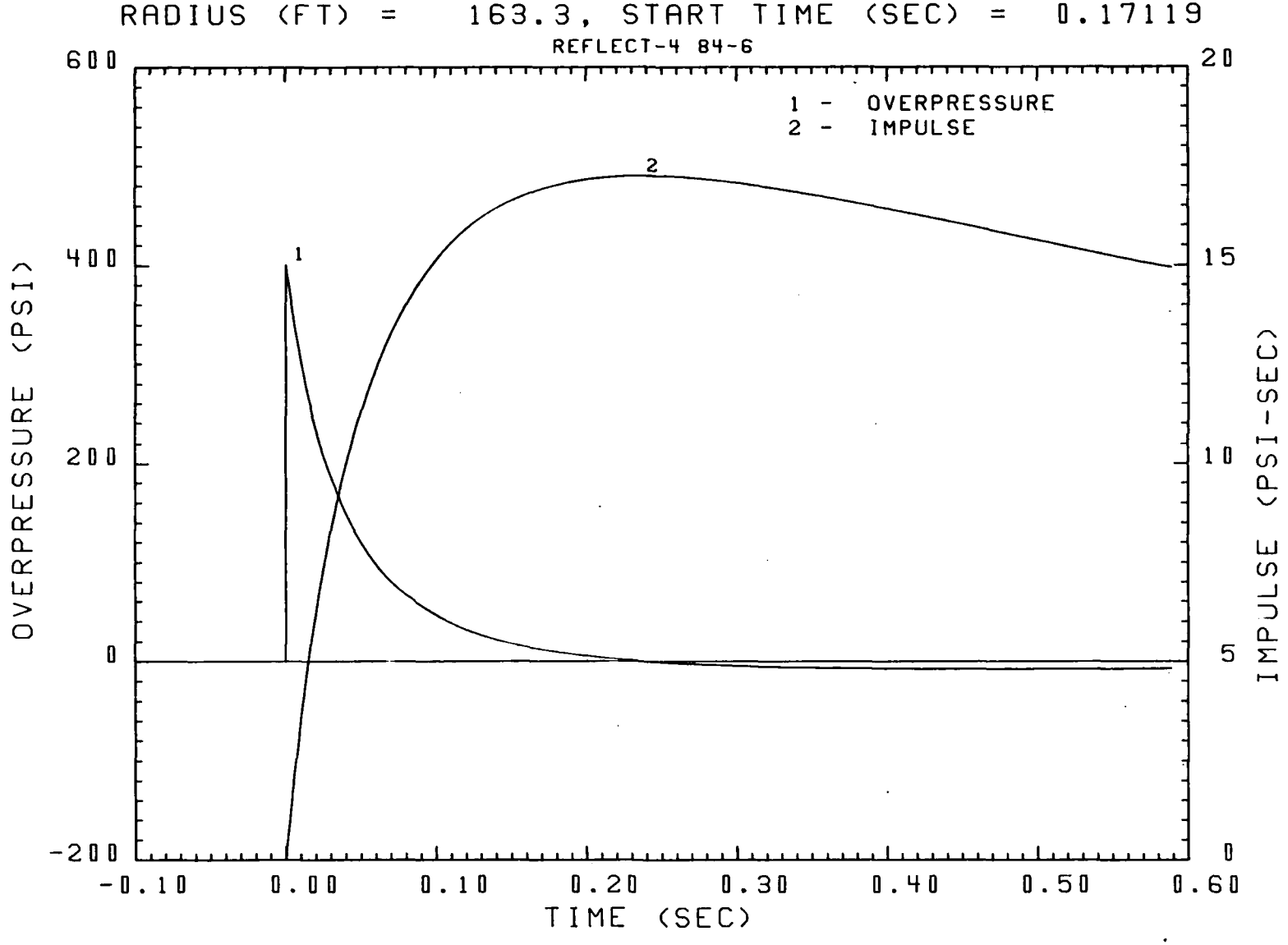
*A short numerical step associated with a rezoning change in the REFLECT-4B code may be observed in the dynamic pressure time histories of this appendix for ranges of 922.9 and 955.4 feet at the switching time of 0.335 seconds.

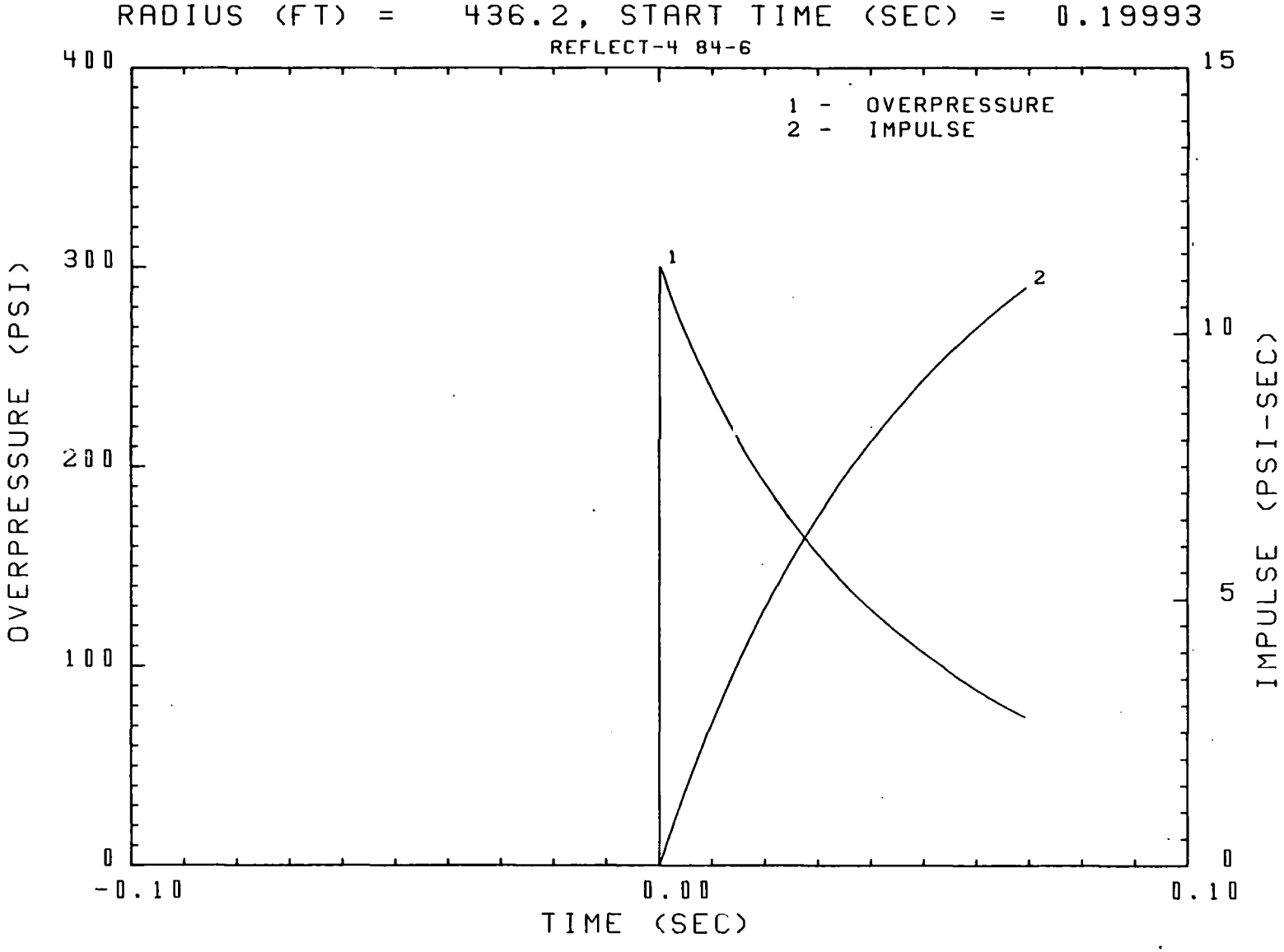
Table 11. Ground range and maximum overpressure for overpressure plots for 1026-ft HOB.

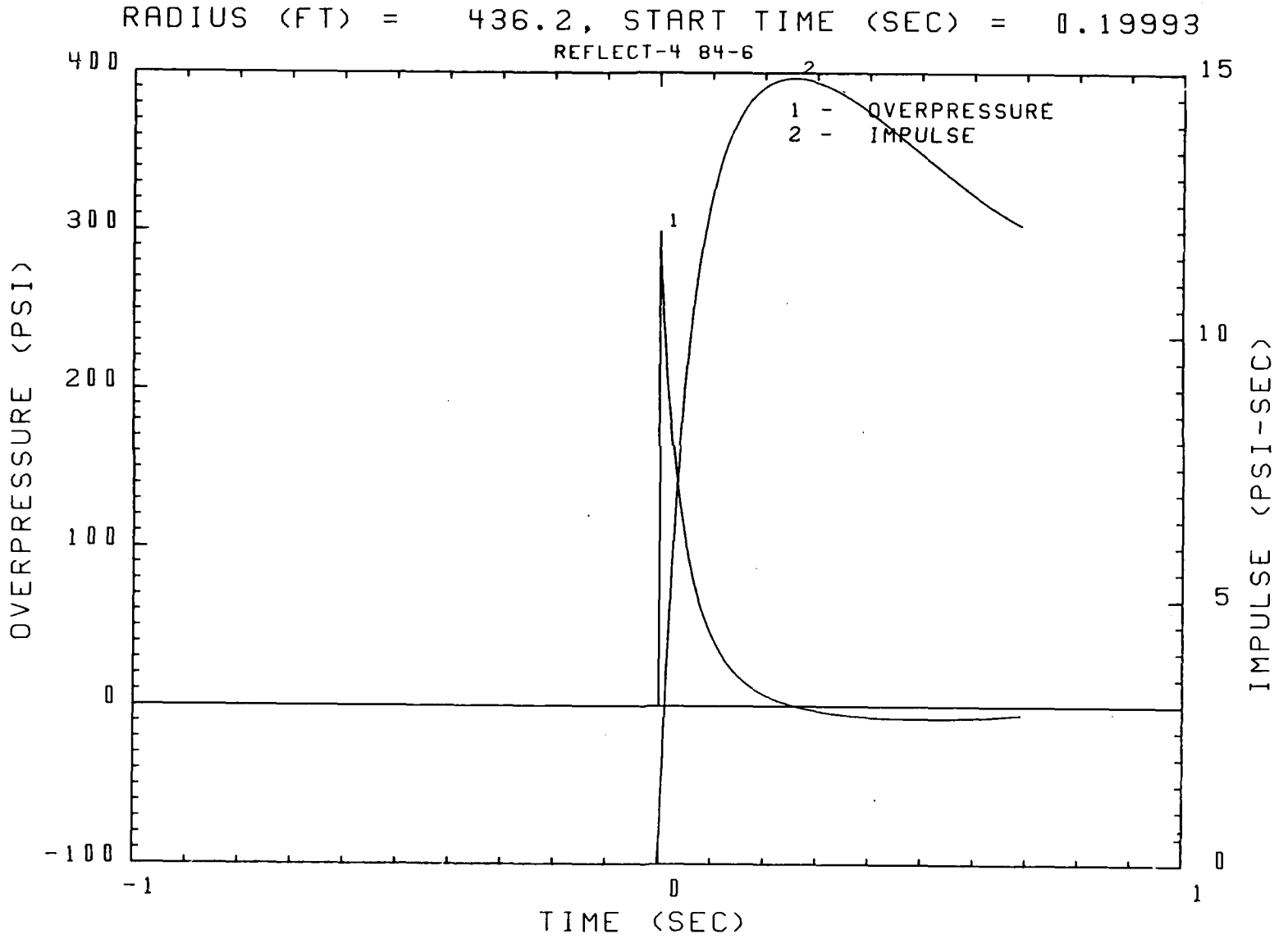
Range (ft)	Maximum Overpressure (psi)
163.3	401.5
436.2	300.4
713.0	200.1
866.9	180.1
894.2	175.4
922.9	150.3
955.4	133.1
1001.2	113.8
1071.1	100.2
1078.3	98.8
1136.6	89.8
1207.0	80.4
1310.2	70.0
1319.2	69.2
1430.8	60.1
1579.4	50.0
1783.5	40.1
2087.6	30.1
2605.6	19.9
3018.3	15.2
3833.1	10.0
4066.0	9.0
4365.9	8.0
4715.9	7.0
5171.2	6.0
5773.2	5.0
6654.2	4.0
8005.7	3.0
10490.2	2.0
12756.8	1.5
16652.9	1.0

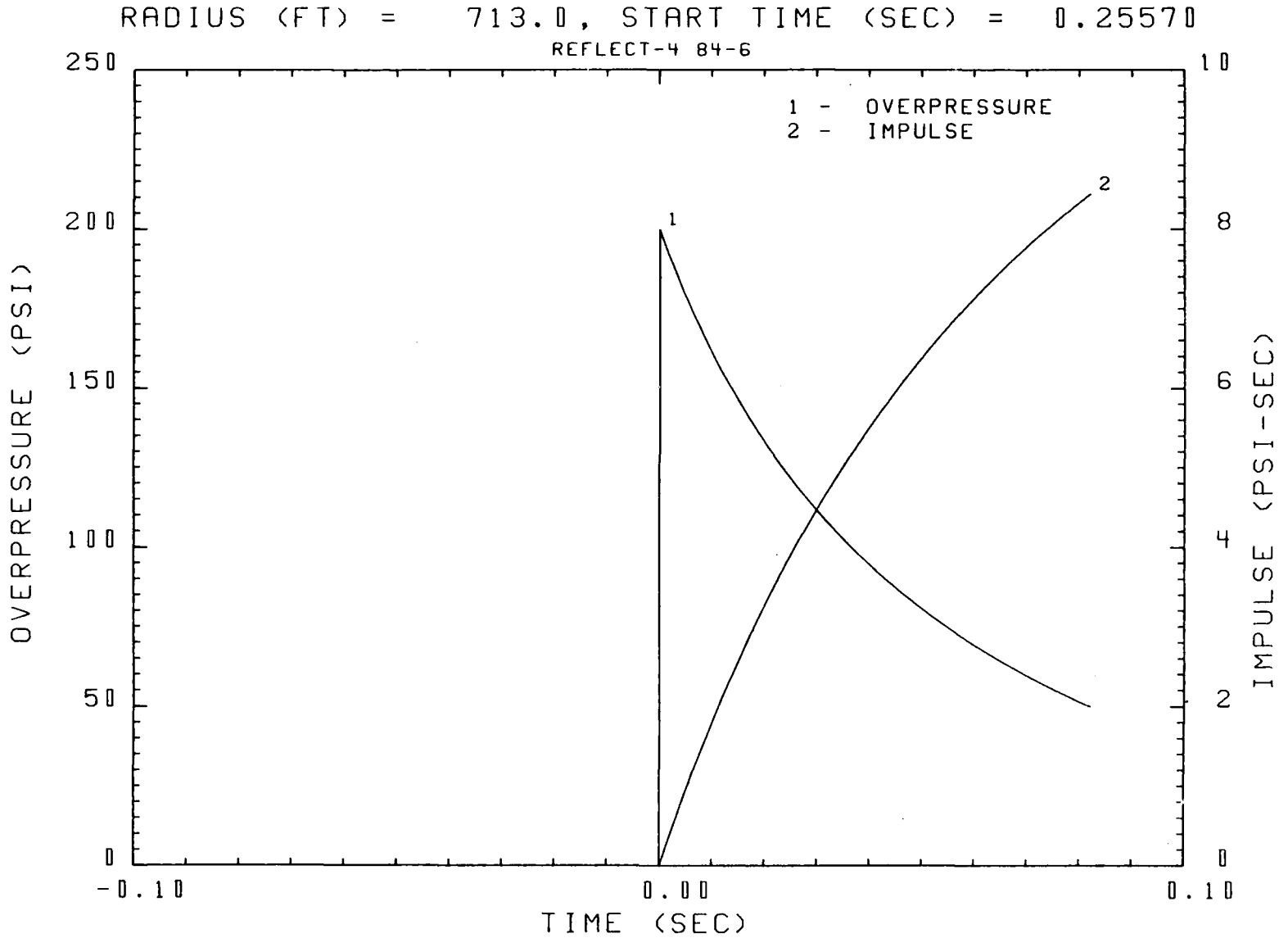
Figure 1. Overpressure and impulse time histories for 1026-ft HOB.

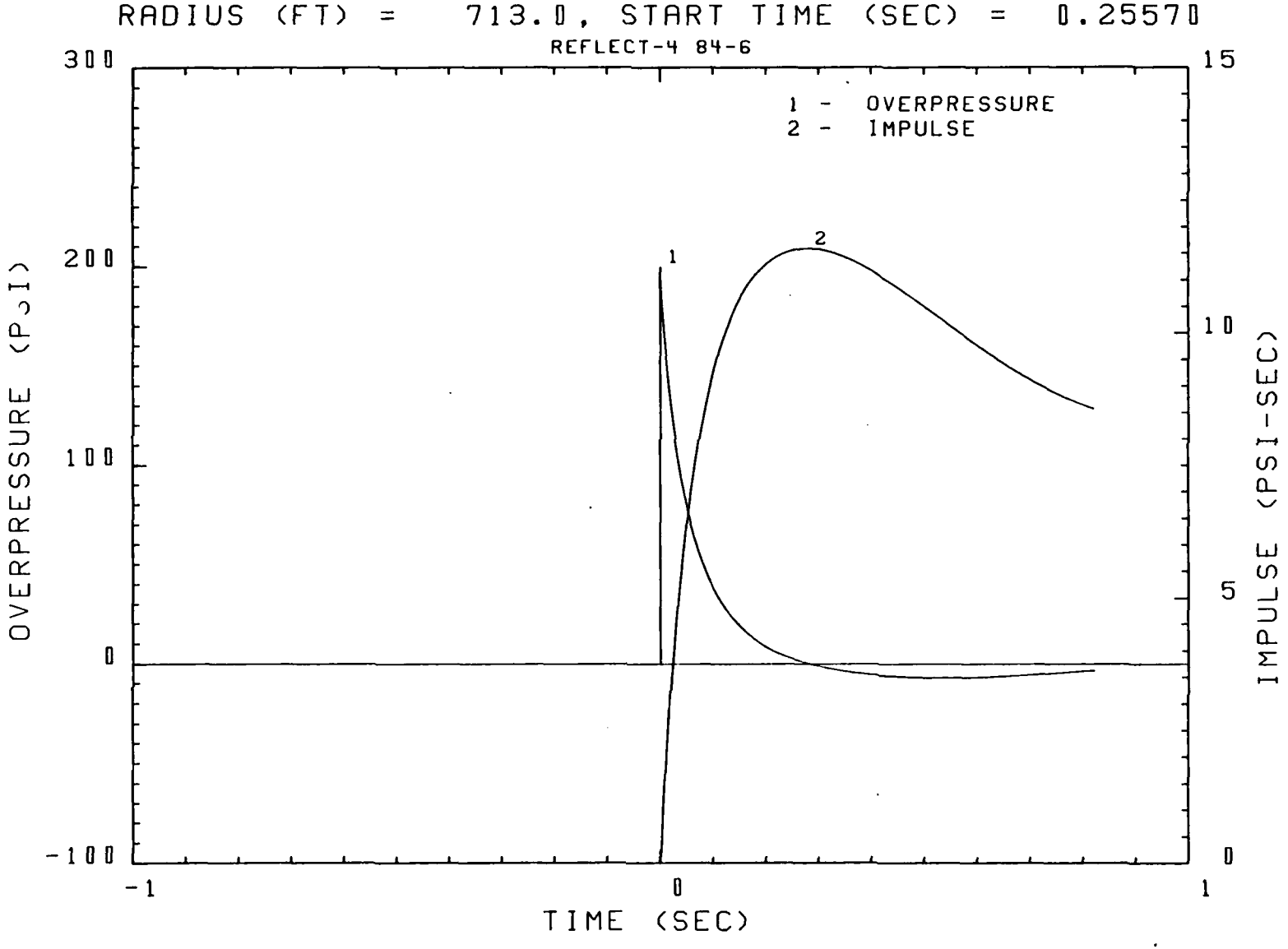

RADIUS (FT) = 163.3, START TIME (SEC) = 0.17119
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
500
400
300
200
100
0
15
10
5
0
-0.010
0.000
0.010
0.020
0.030
0.040
0.050
0.060
1
2

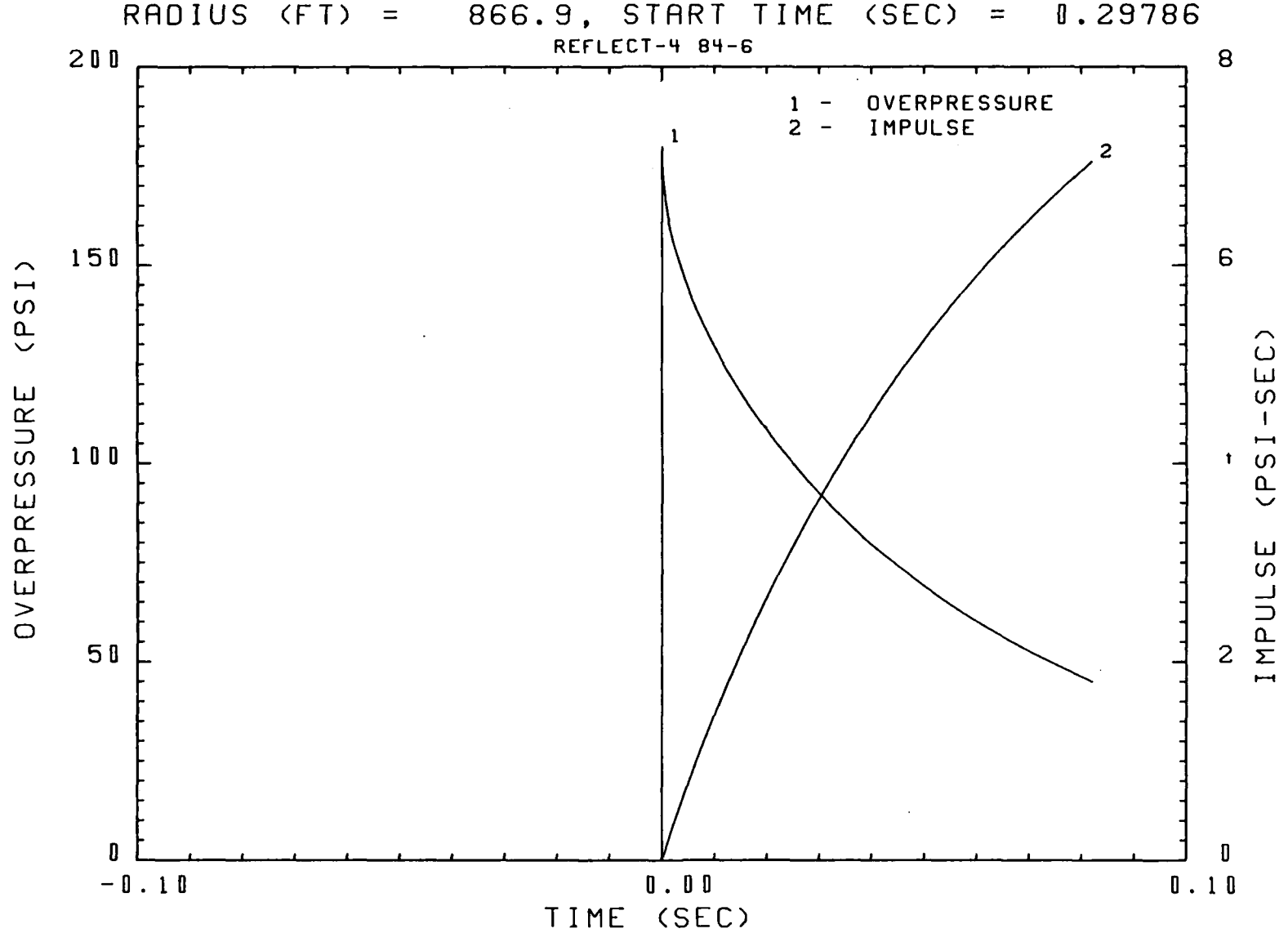

RADIUS (FT) = 163.3, START TIME (SEC) = 0.17119
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
600
400
200
0
-200
20
15
10
5
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60
1
2

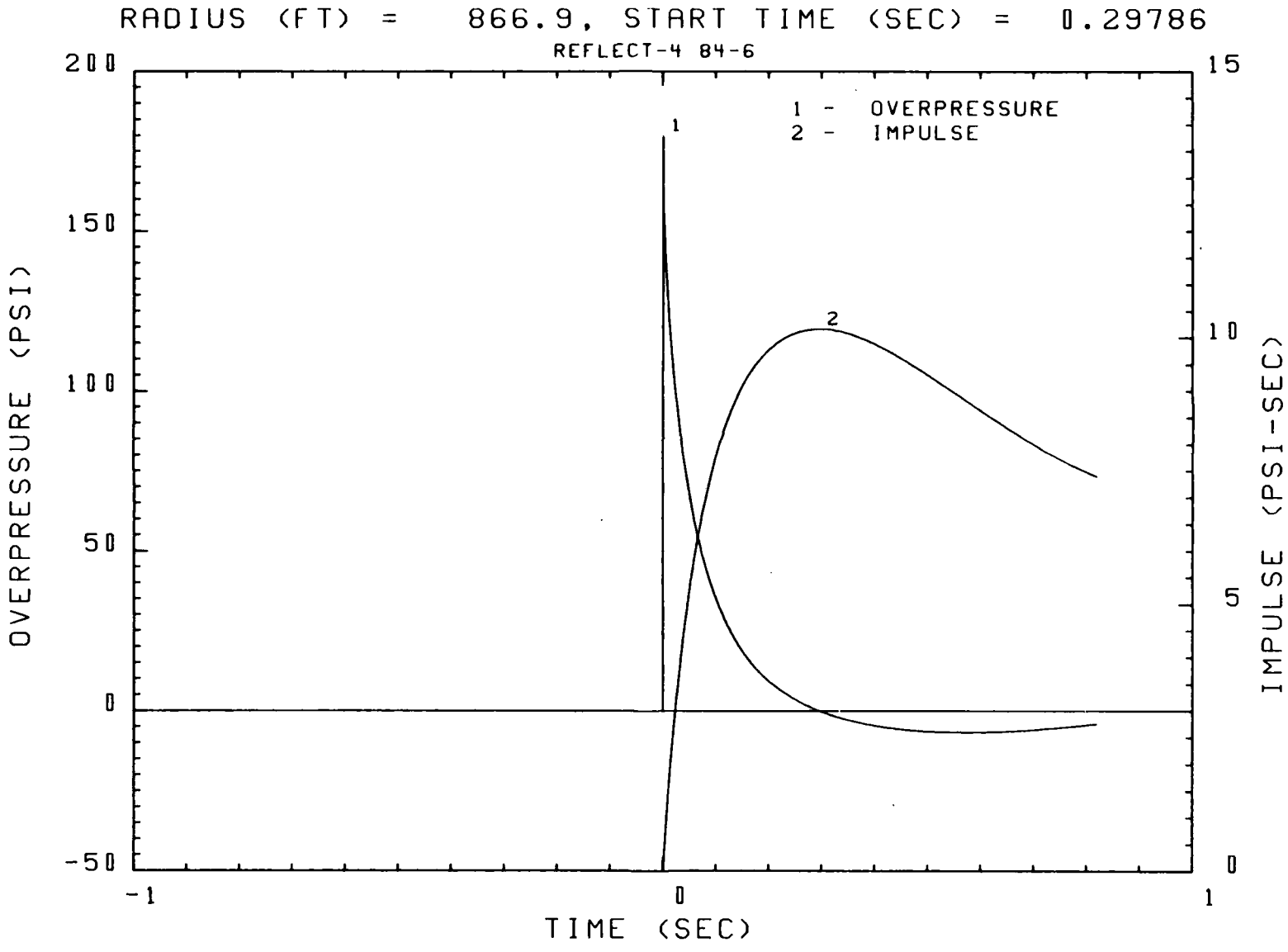

RADIUS (FT) = 436.2, START TIME (SEC) = 0.19993
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
400
300
200
100
0
15
10
5
0
-0.10
0.00
0.10
1
2

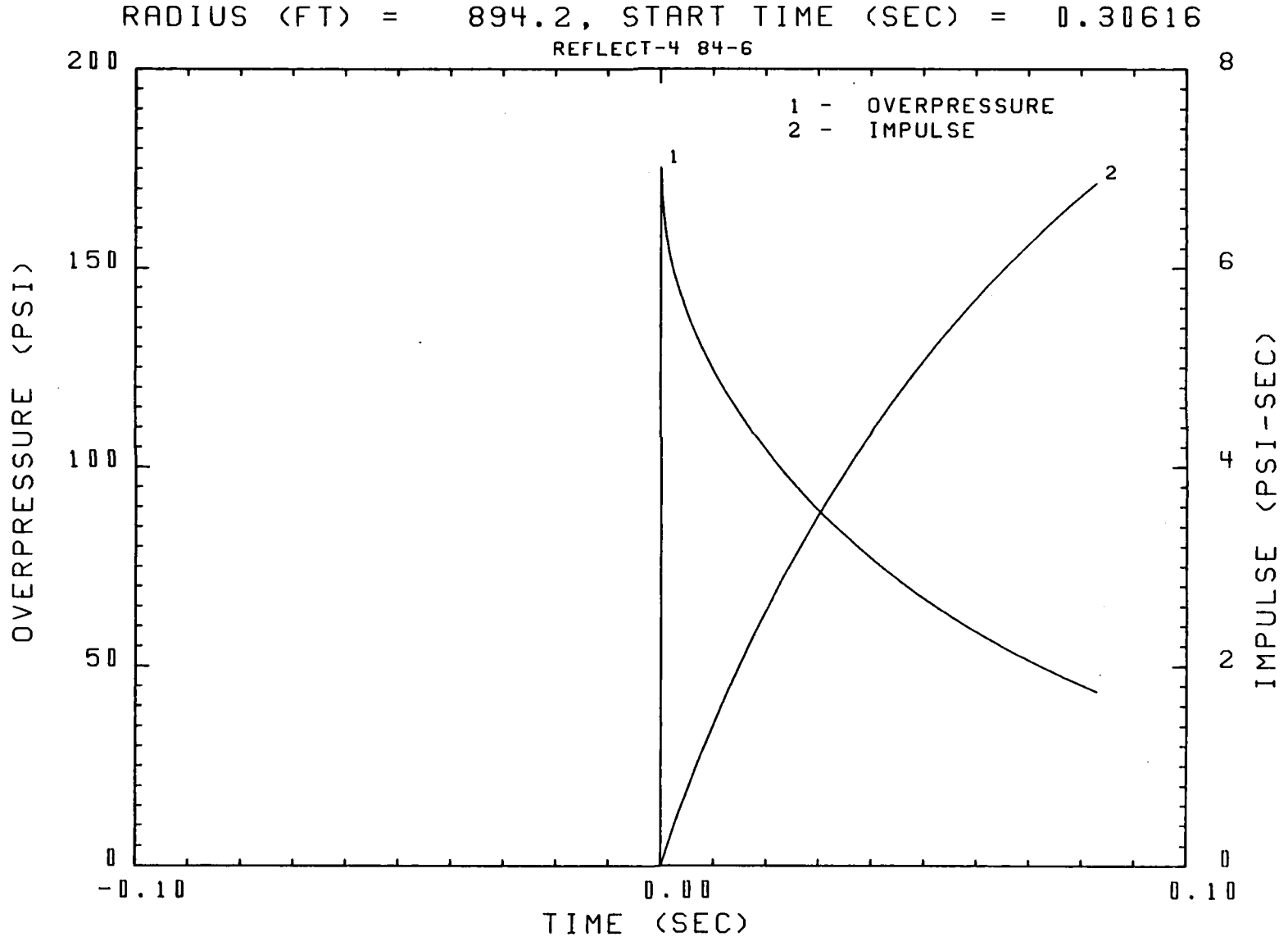

RADIUS (FT) = 436.2, START TIME (SEC) = 0.19993
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
400
300
200
100
0
-100
15
10
5
0
-1
0
1

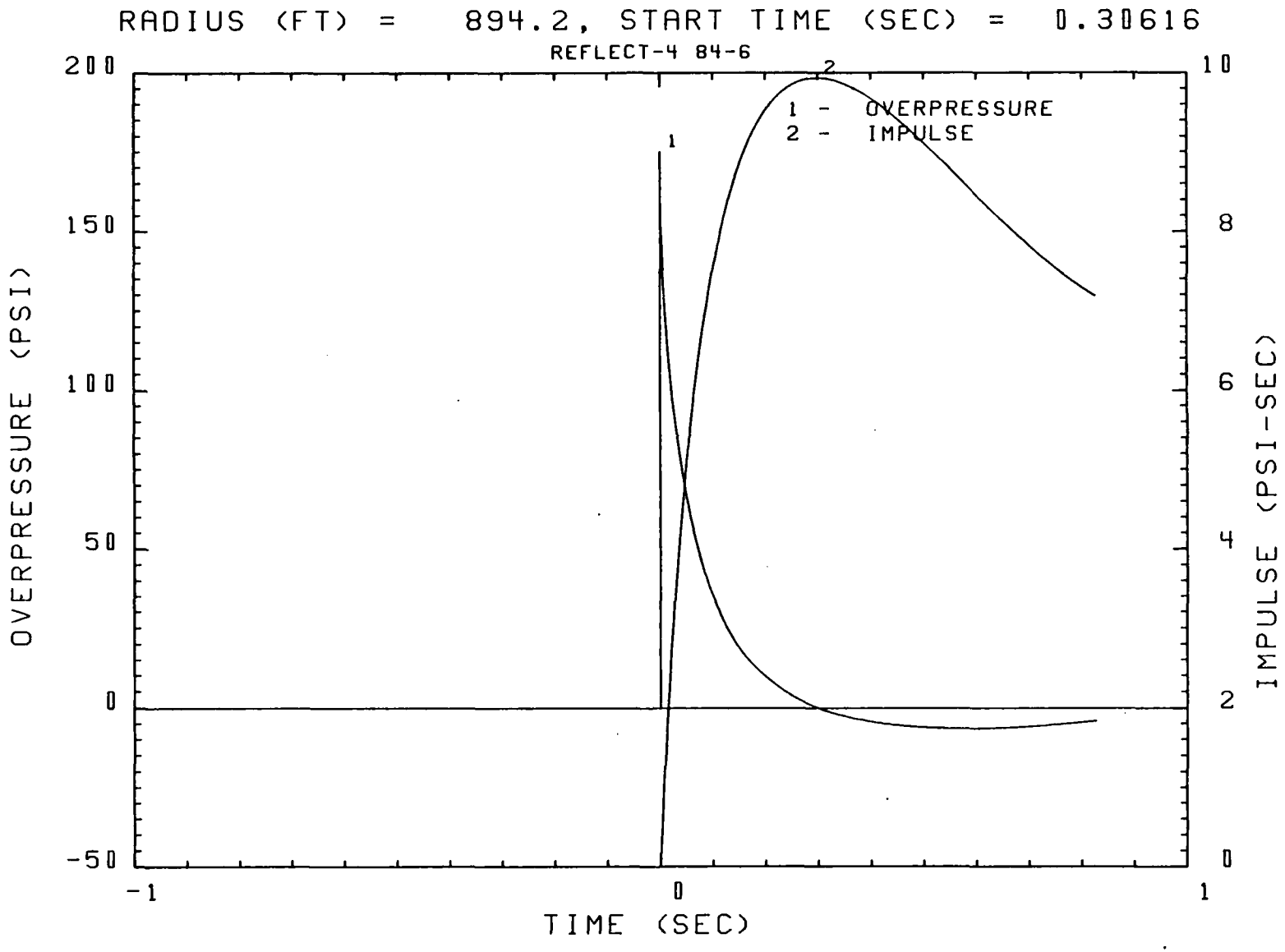

RADIUS (FT) = 713.0, START TIME (SEC) = 0.25570
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
250
200
150
100
50
0
10
8
6
4
2
0
-0.10
0.00
0.10
1
2

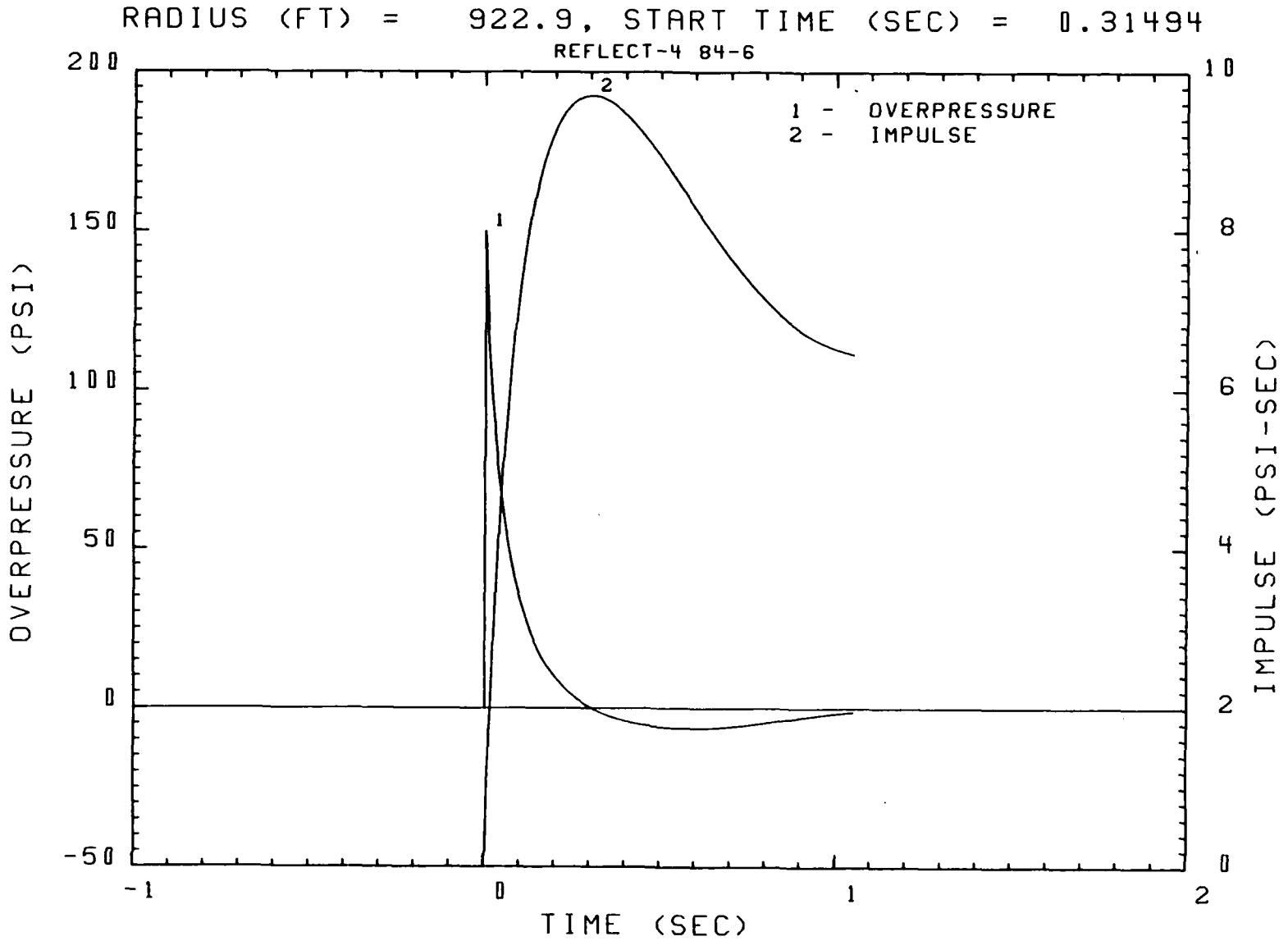

RADIUS (FT) = 713.0, START TIME (SEC) = 0.25570
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
300
200
100
0
-100
15
10
5
0
-1
0
1
1
2

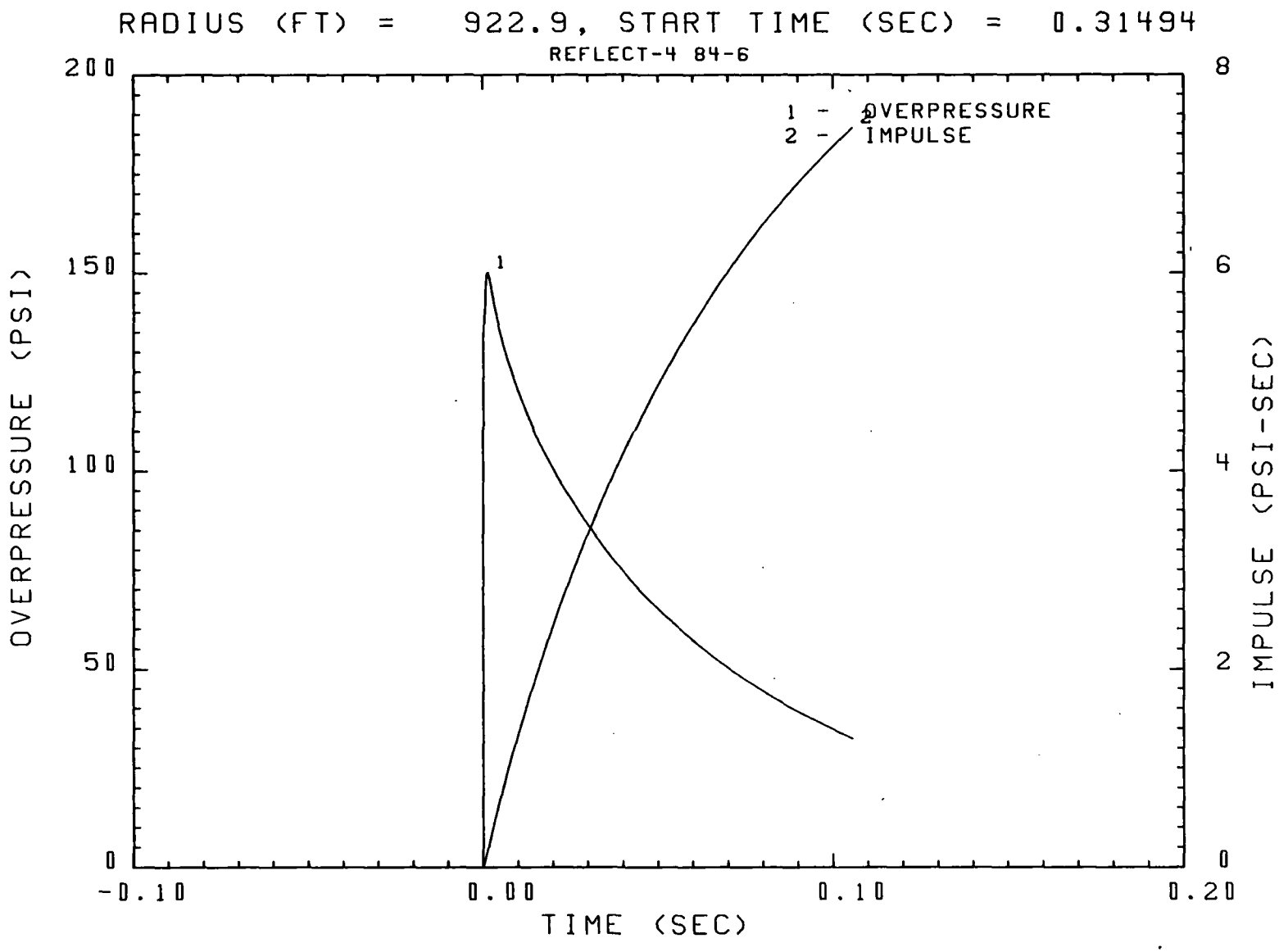

RADIUS (FT) = 866.9, START TIME (SEC) = 0.29786
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
200
150
100
50
0
8
6
4
2
0
-0.10
0.00
0.10

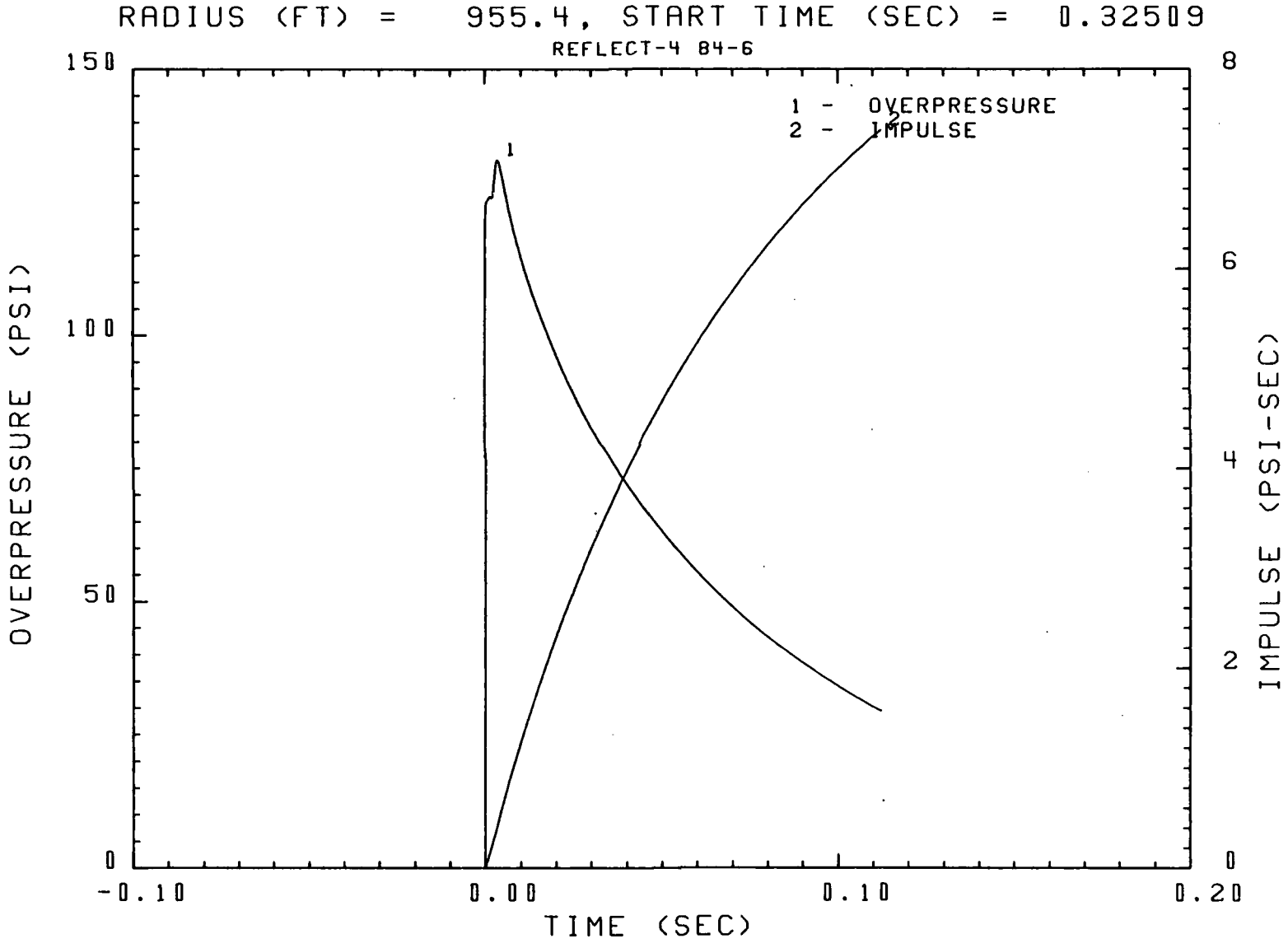

RADIUS (FT) = 866.9, START TIME (SEC) = 0.29786
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
200
150
100
50
0
-50
15
10
5
0
-1
0
1

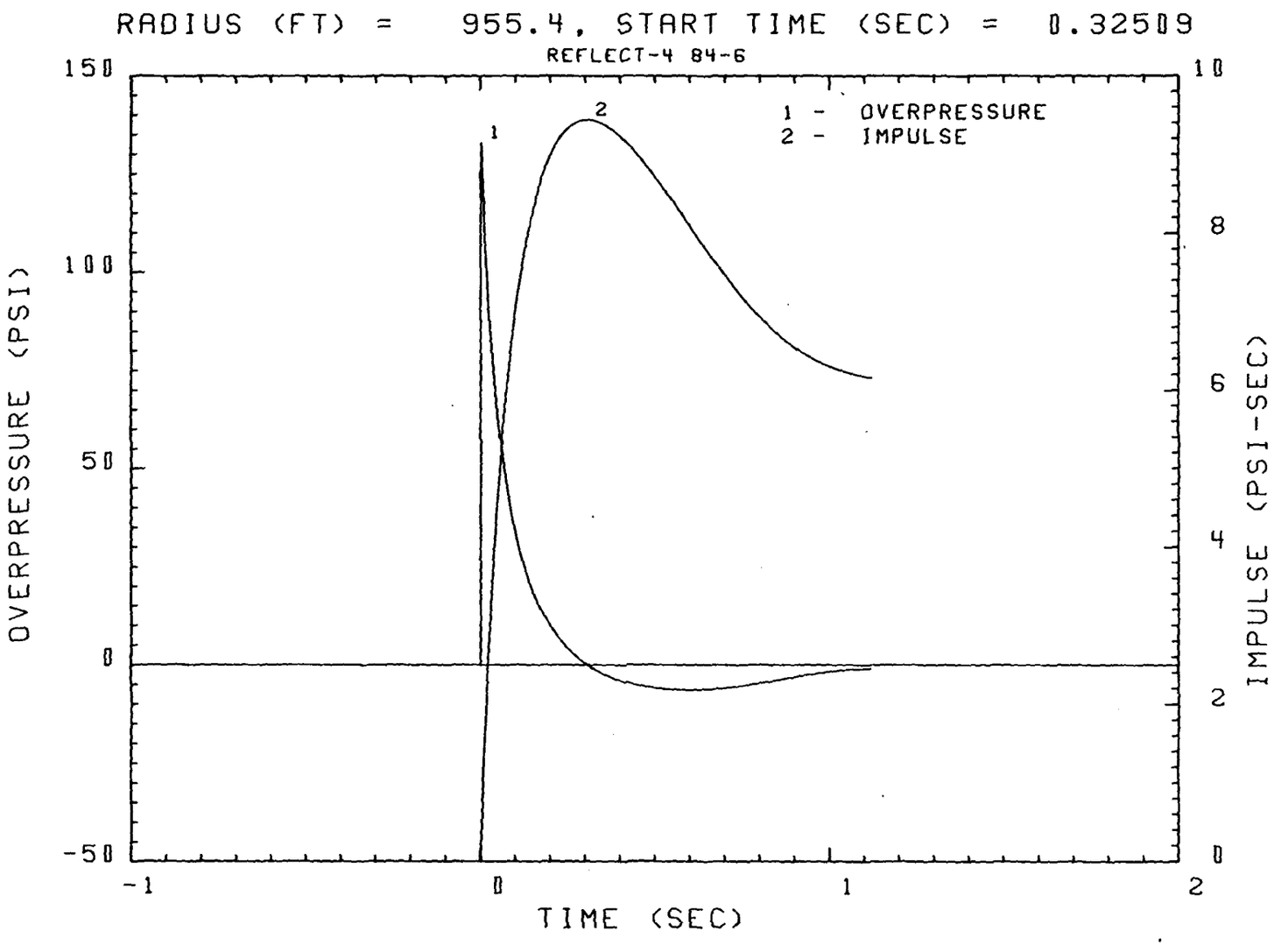

RADIUS (FT) = 894.2, START TIME (SEC) = 0.30616
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
200
150
100
50
0
8
6
4
2
0
-0.10
0.00
0.10

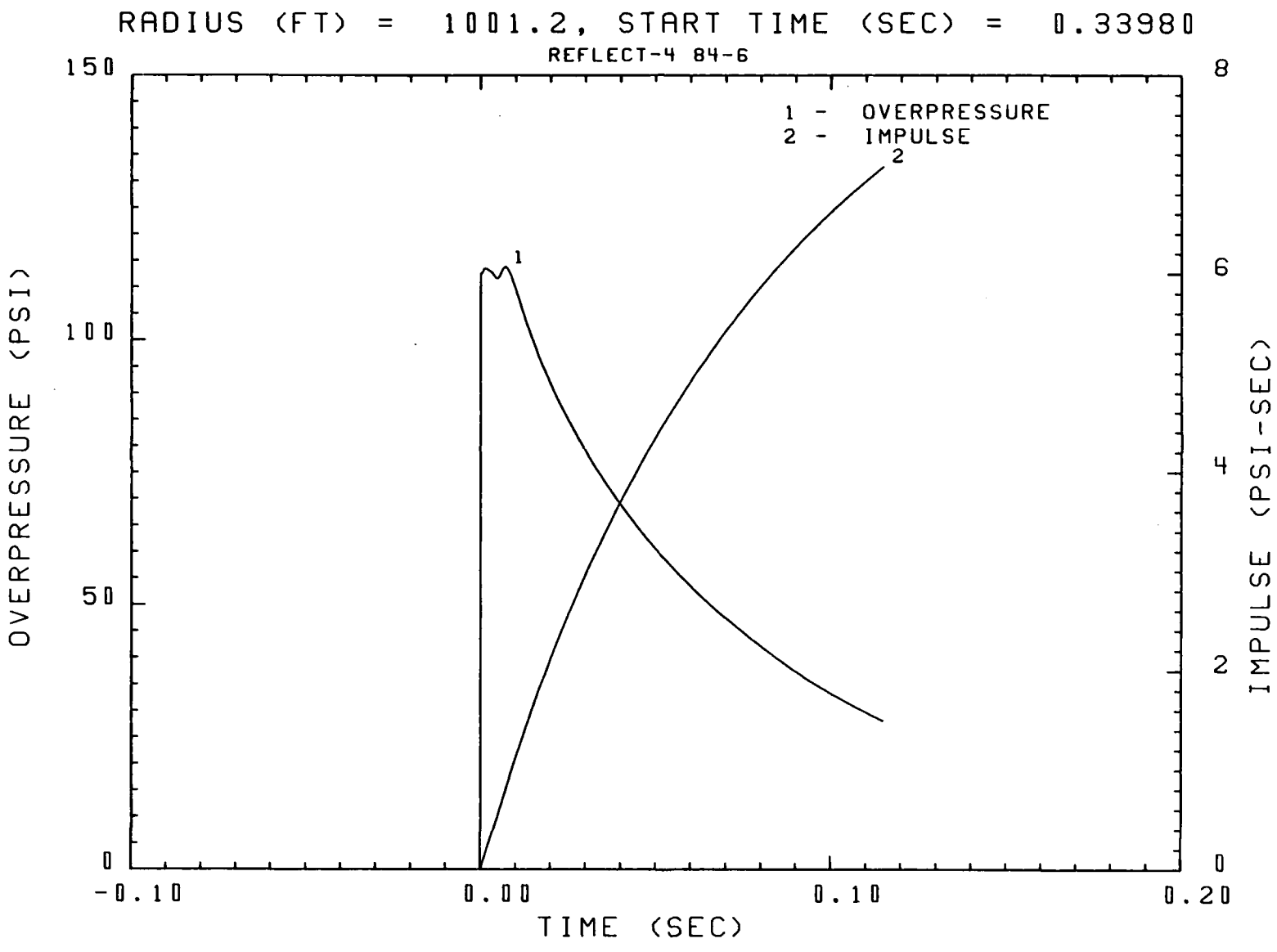

RADIUS (FT) = 894.2, START TIME (SEC) = 0.30616
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
200
150
100
50
0
-50
10
8
6
4
2
0
-1
0
1

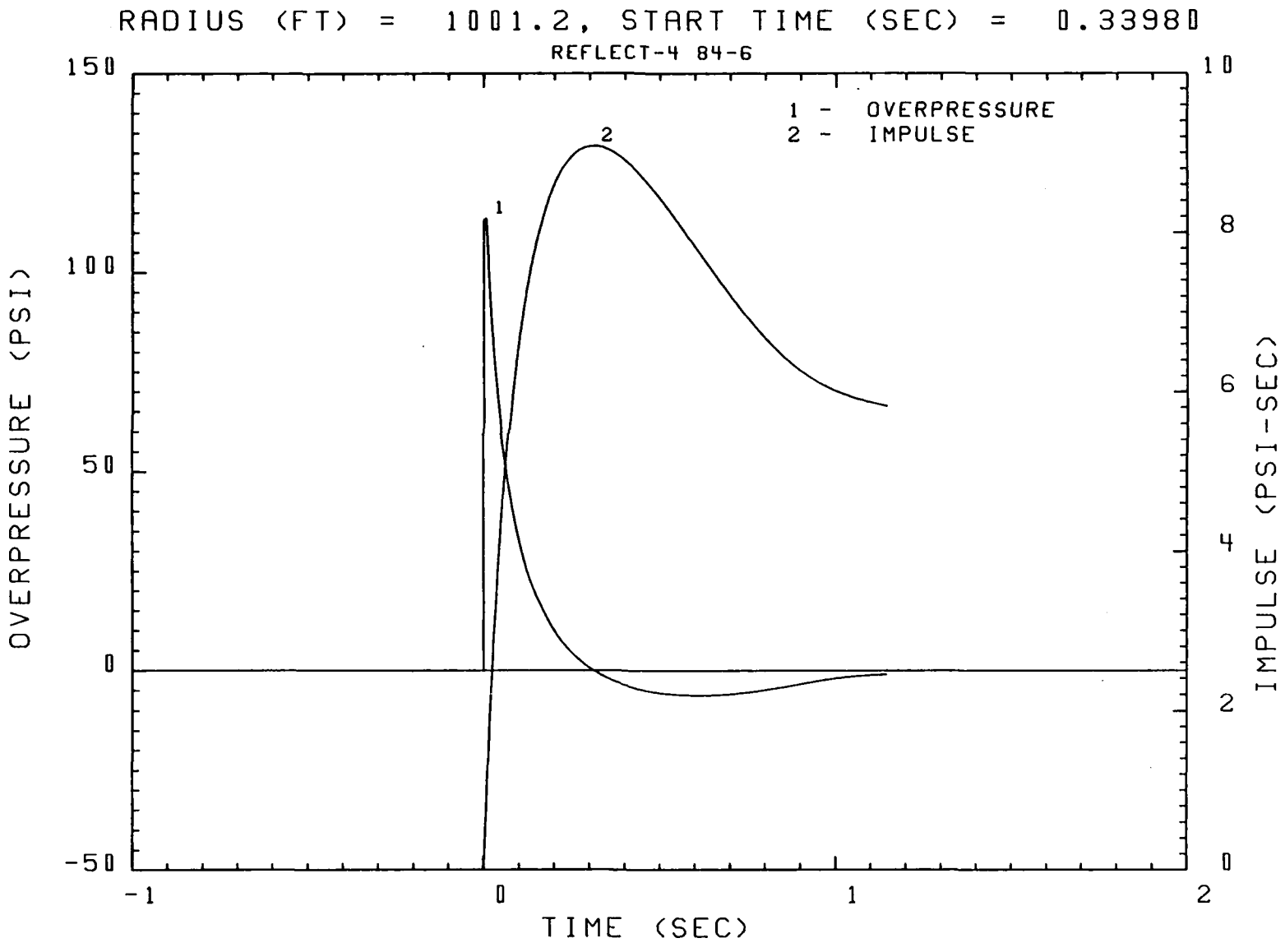

RADIUS (FT) = 922.9, START TIME (SEC) = 0.31494
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
200
150
100
50
0
-50
10
8
6
4
2
0
-1
0
1
2

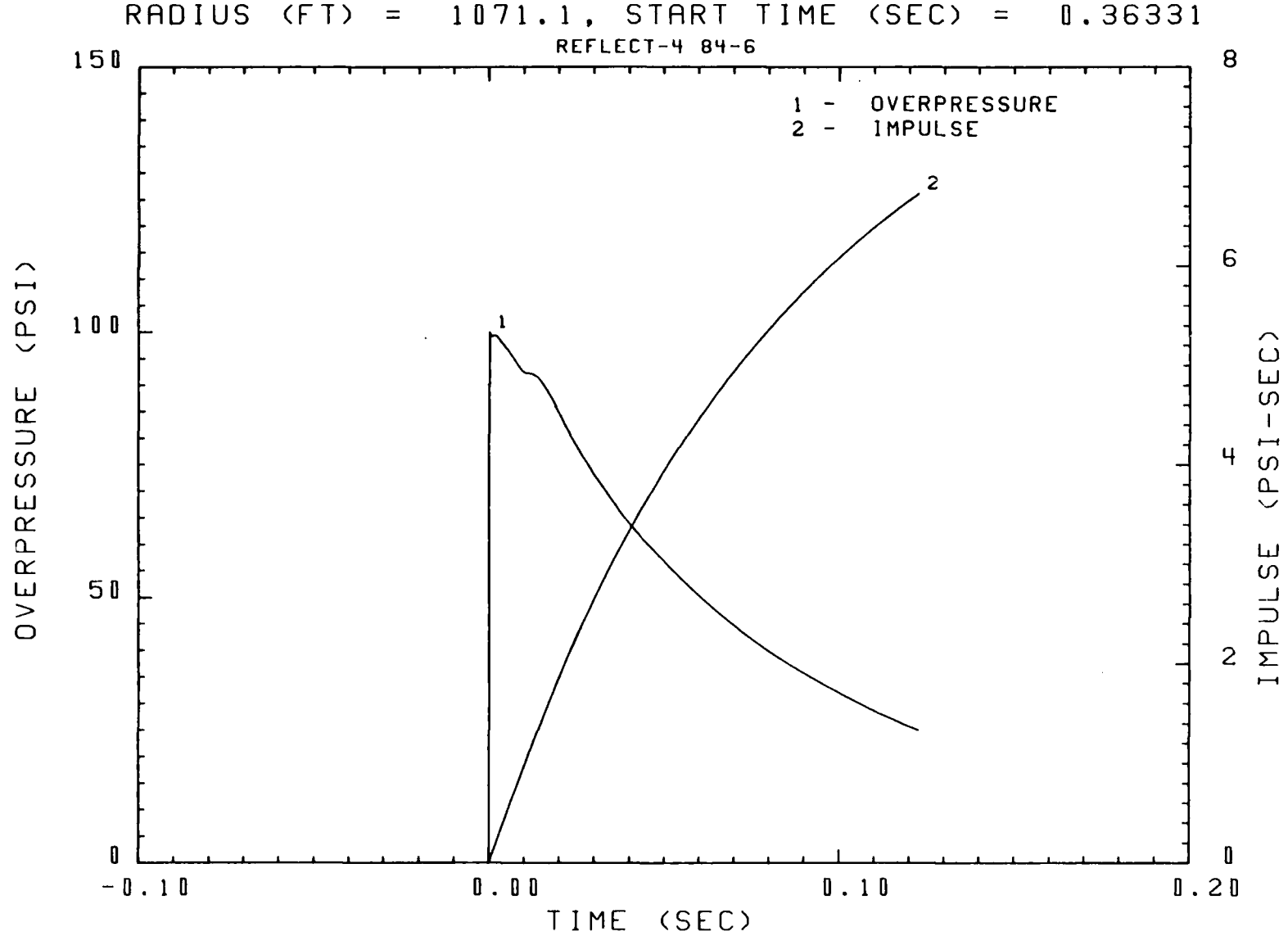

RADIUS (FT) = 922.9, START TIME (SEC) = 0.31494
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
200
150
100
50
0
8
6
4
2
0
-0.10
0.00
0.10
0.20

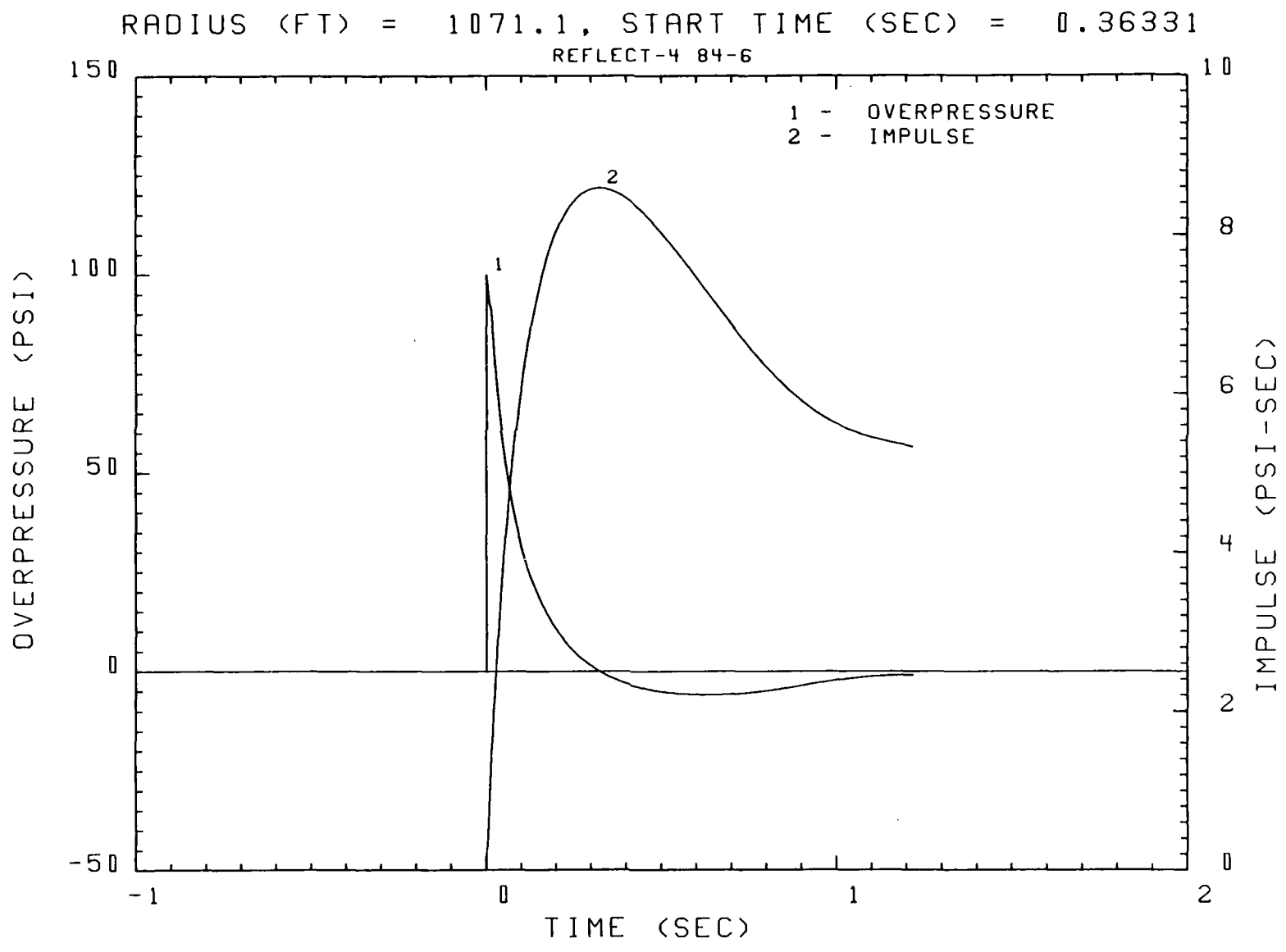

RADIUS (FT) = 955.4, START TIME (SEC) = 0.32509
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
150
100
50
0
8
6
4
2
0
-0.10
0.00
0.10
0.20

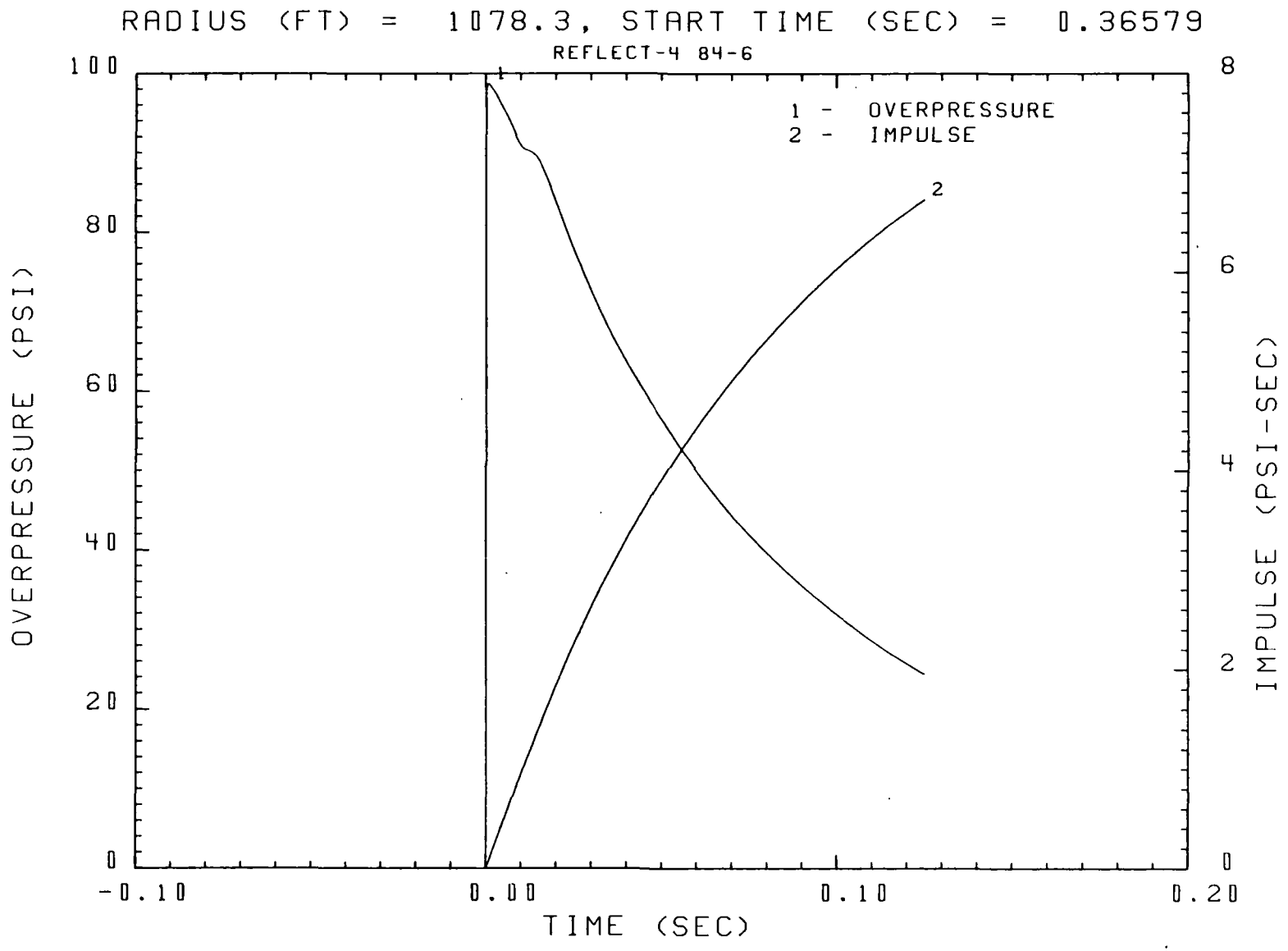

RADIUS (FT) = 955.4, START TIME (SEC) = 0.32509
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
150
100
50
0
-50
10
8
6
4
2
0
-1
0
1
2

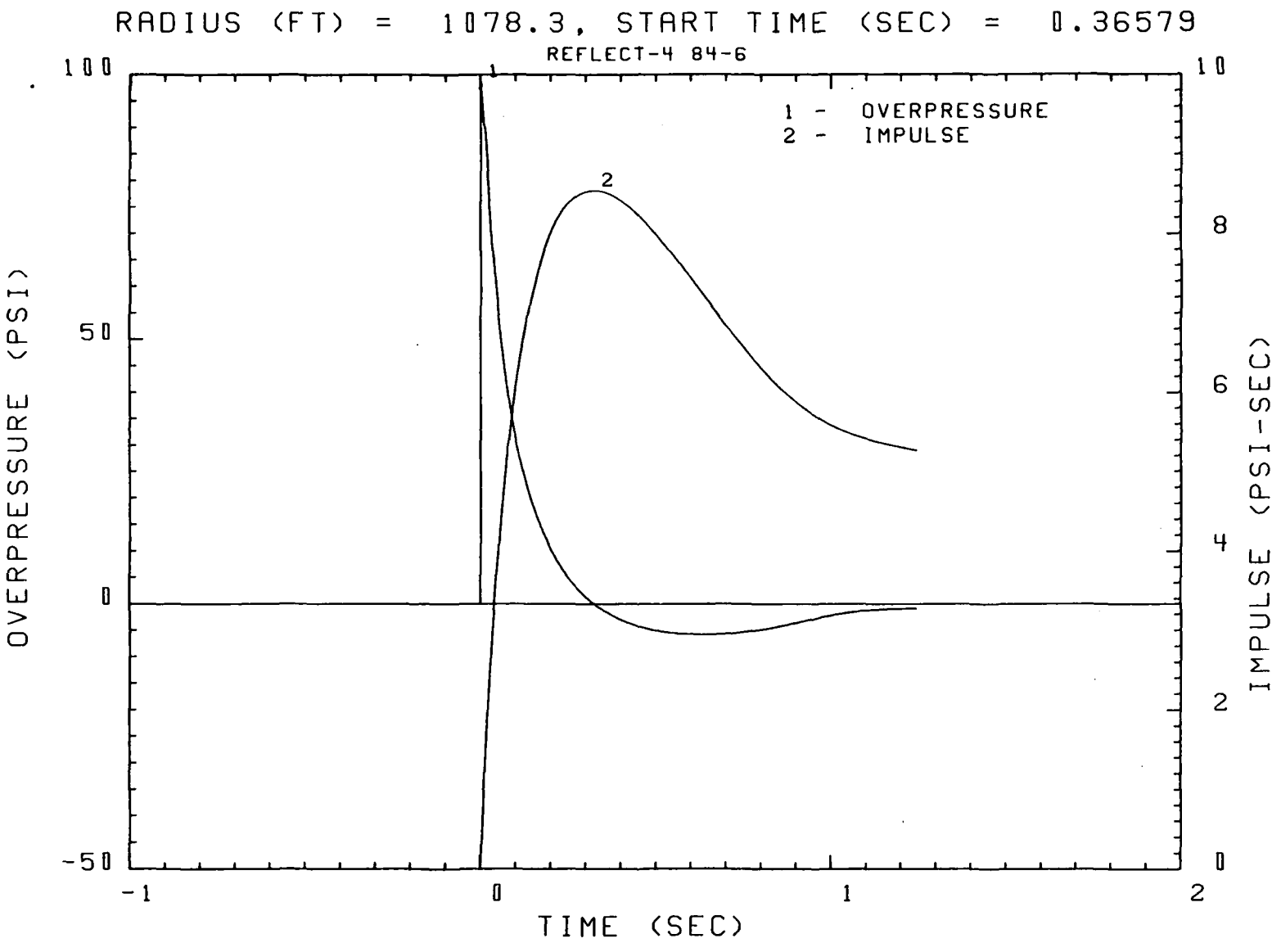

RADIUS (FT) = 1001.2, START TIME (SEC) = 0.33980
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
150
100
50
0
8
6
4
2
0
-0.10
0.00
0.10
0.20

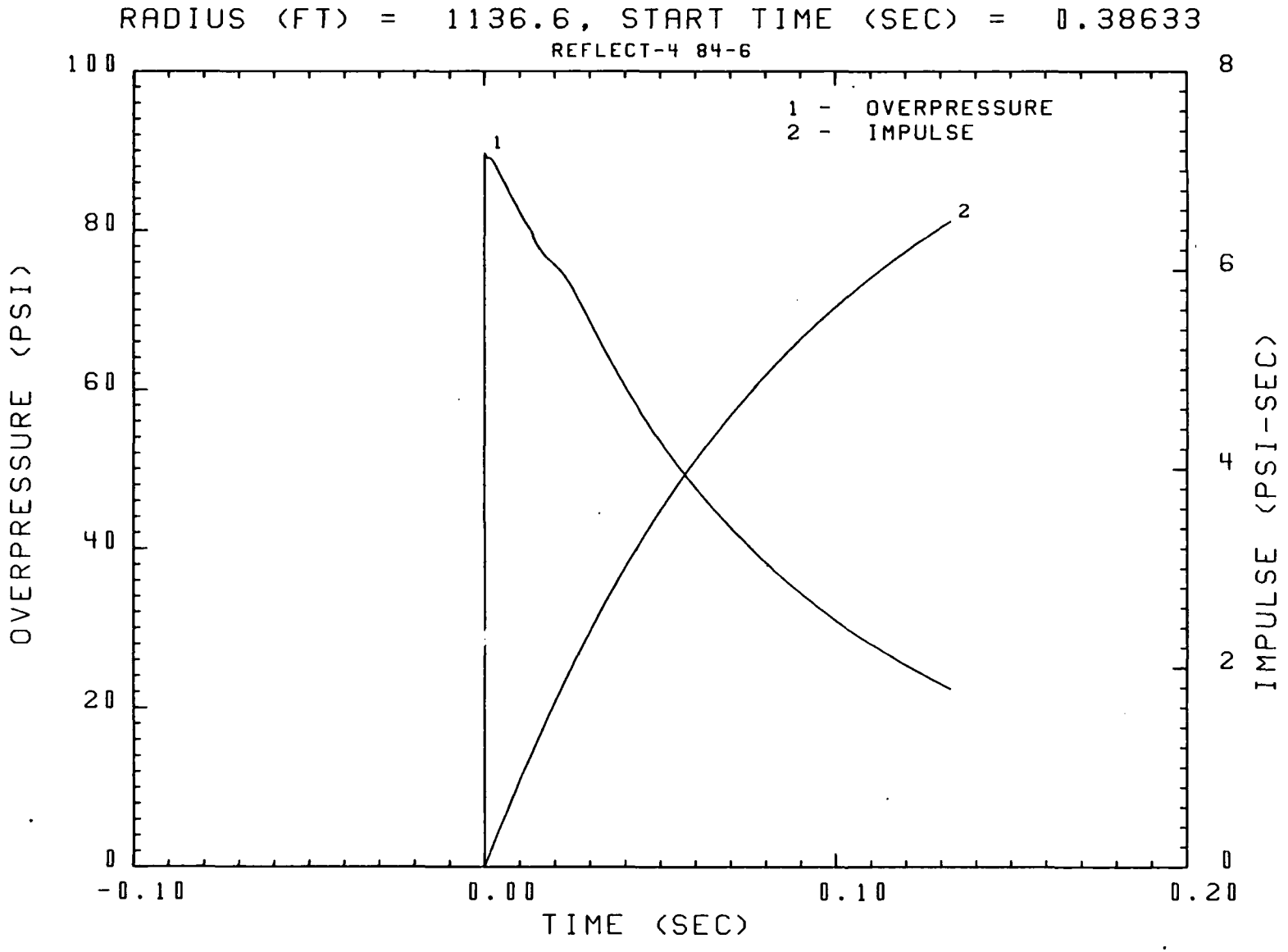

RADIUS (FT) = 1001.2, START TIME (SEC) = 0.33980
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
150
100
50
0
-50
10
8
6
4
2
0
-1
0
1
2

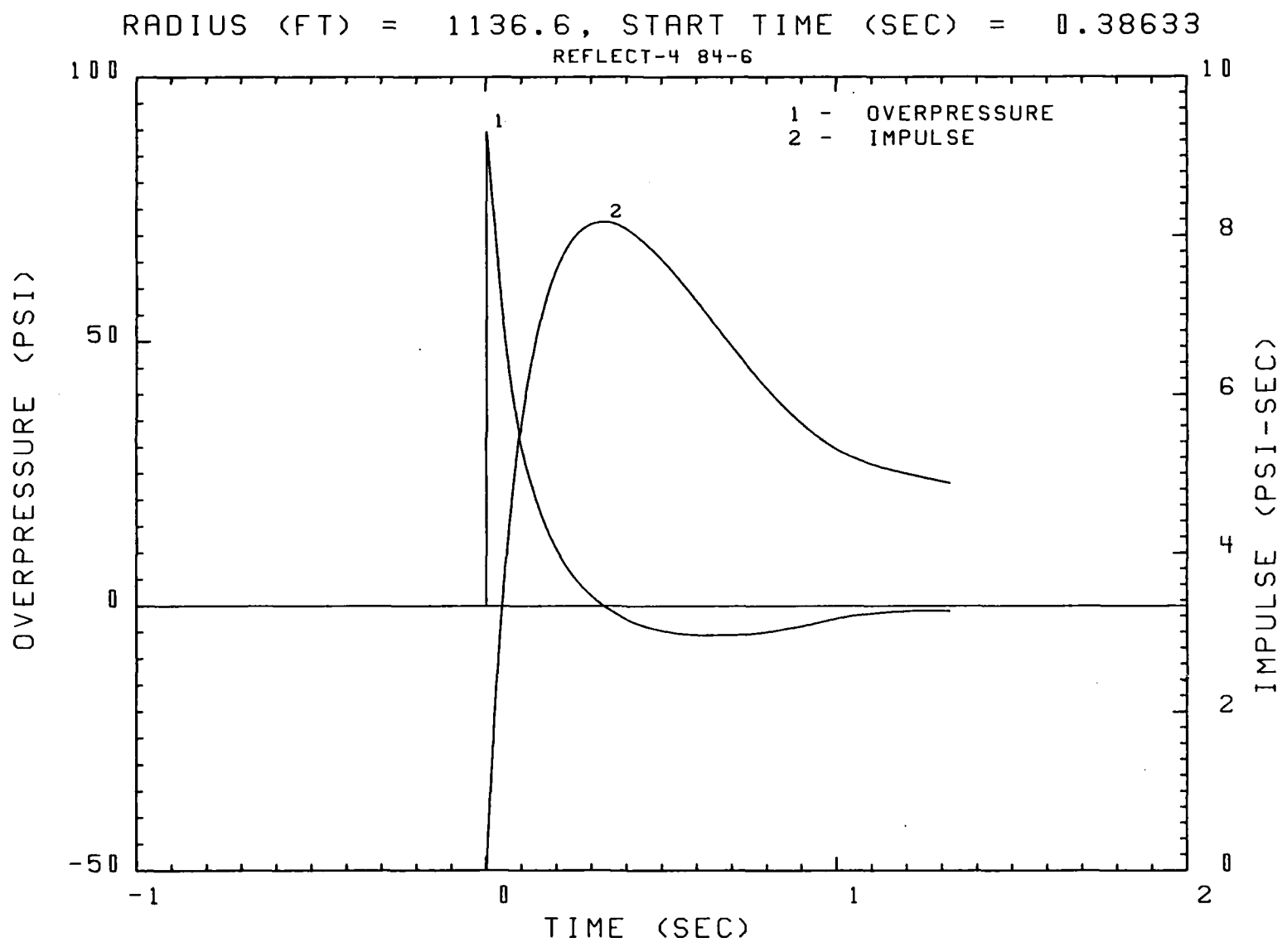

RADIUS (FT) = 1071.1, START TIME (SEC) = 0.36331
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
150
100
50
0
8
6
4
2
0
-0.10
0.00
0.10
0.20
1
2

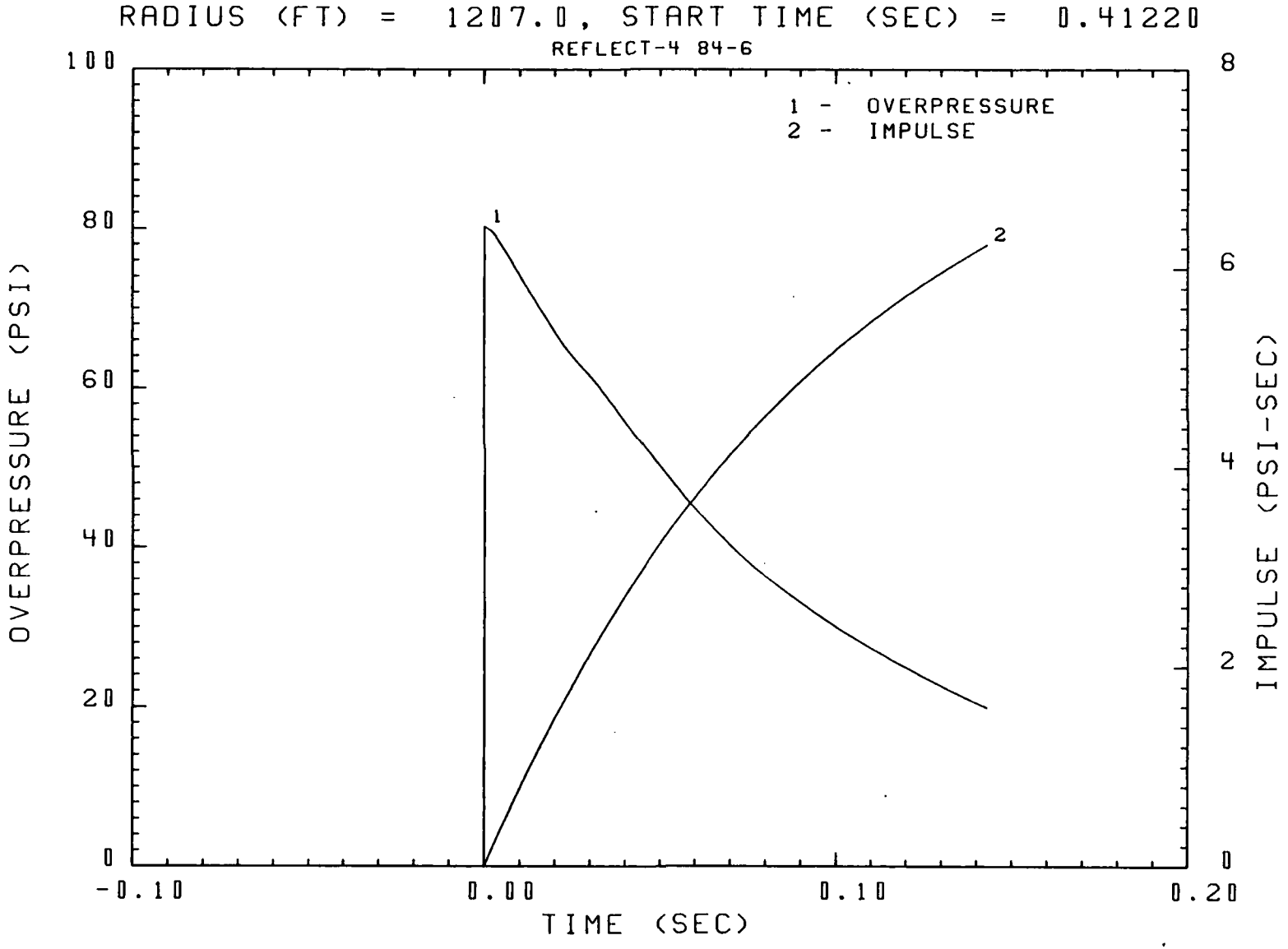

RADIUS (FT) = 1071.1, START TIME (SEC) = 0.36331
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
150
100
50
0
-50
10
8
6
4
2
0
-1
0
1
2

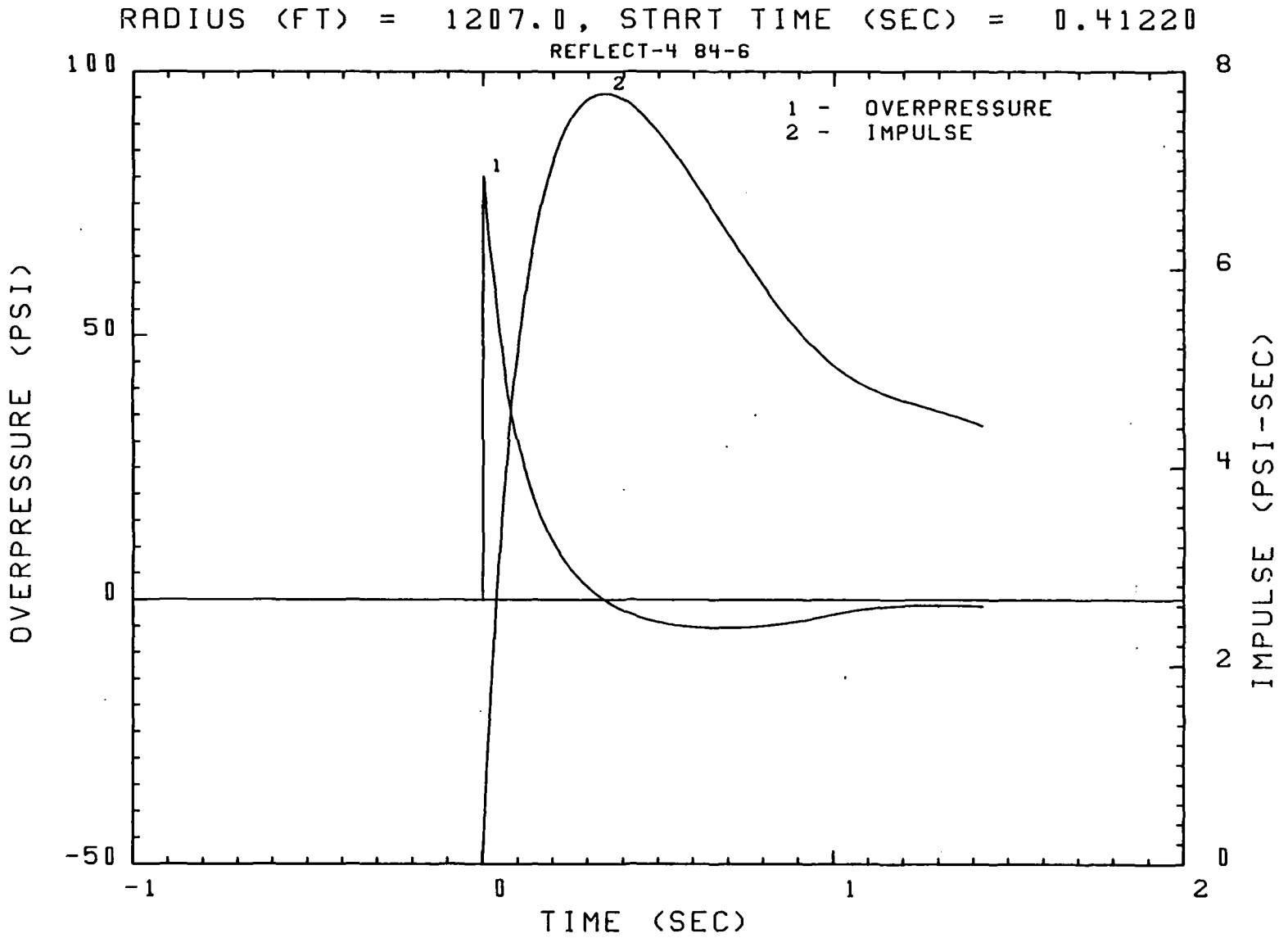

RADIUS (FT) = 1078.3, START TIME (SEC) = 0.36579
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
2
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
80
60
40
20
0
8
6
4
2
0
-0.10
0.00
0.10
0.20

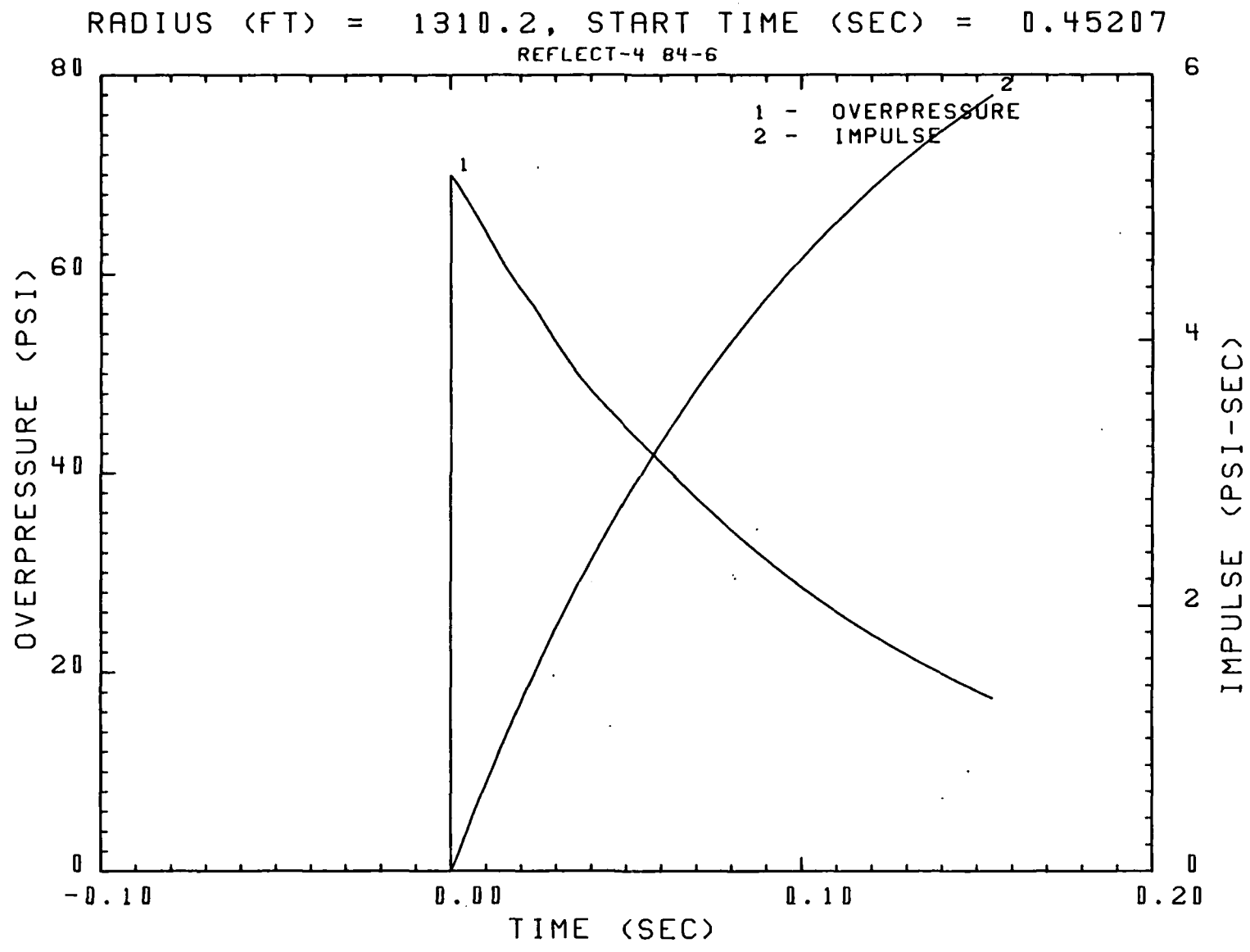

RADIUS (FT) = 1078.3, START TIME (SEC) = 0.36579
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
50
0
-50
10
8
6
4
2
0
-1
0
1
2

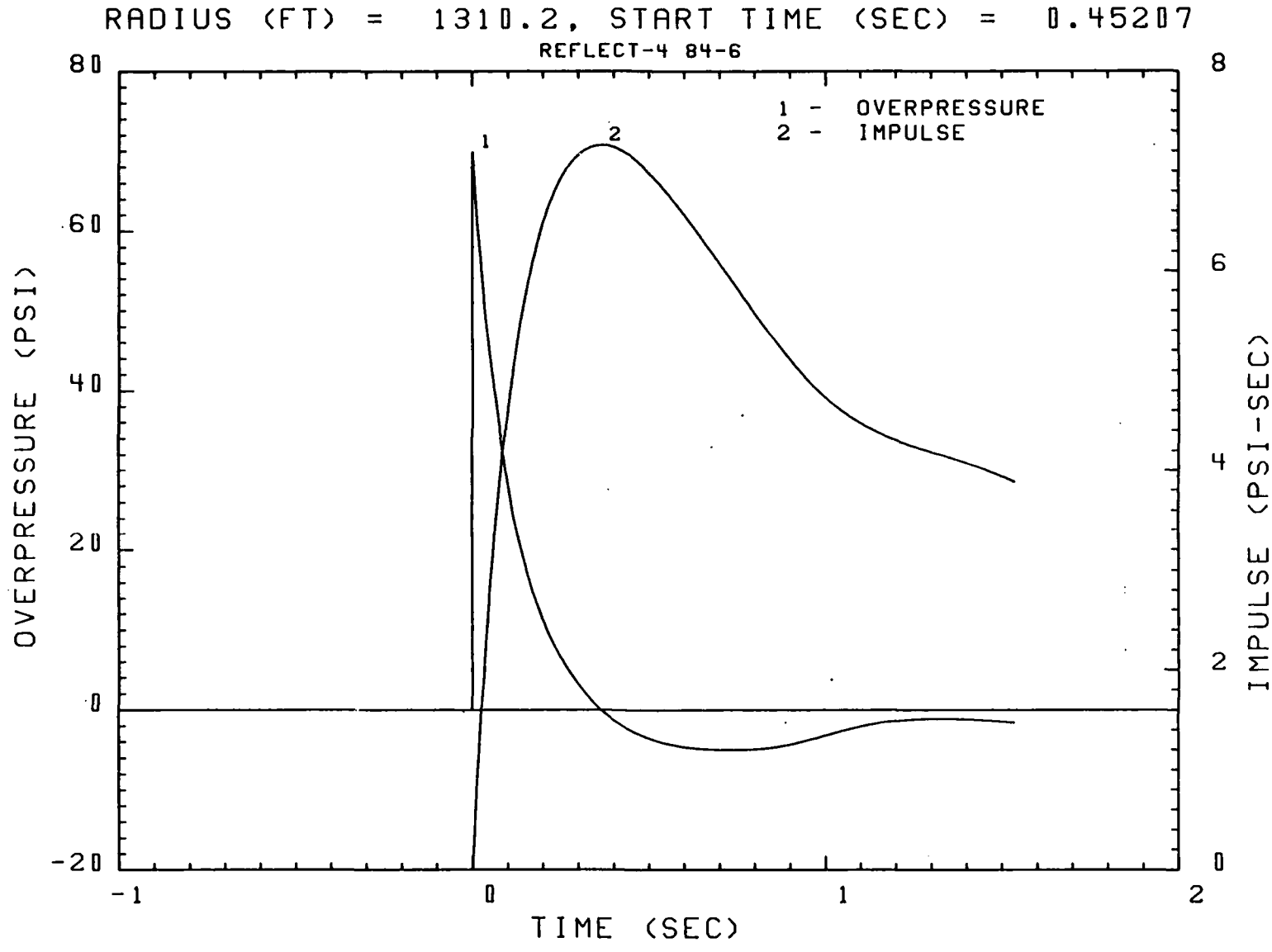

RADIUS (FT) = 1136.6, START TIME (SEC) = 0.38633
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
80
60
40
20
0
8
6
4
2
0
-0.10
0.00
0.10
0.20
1
2

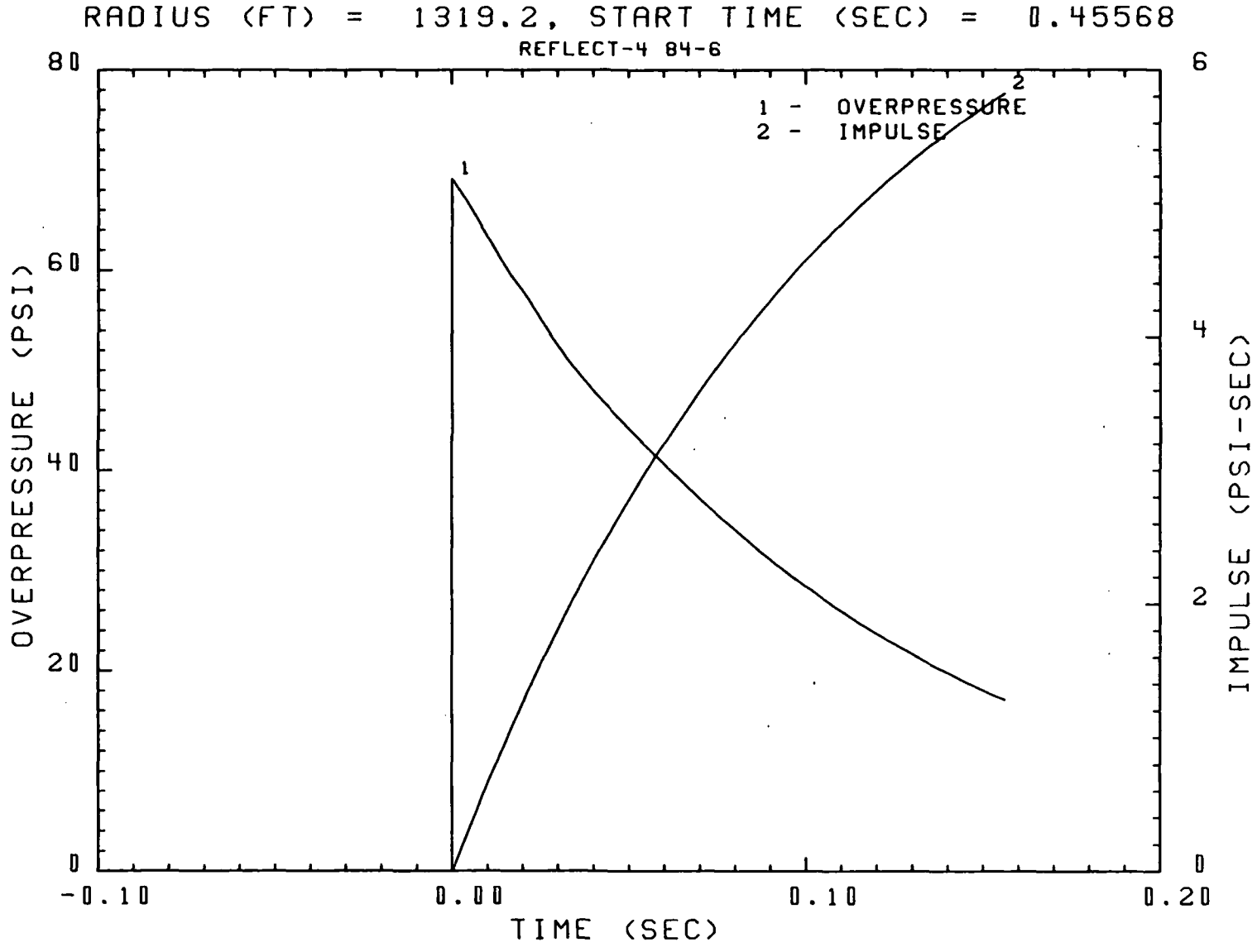

RADIUS (FT) = 1136.6, START TIME (SEC) = 0.38633
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
50
0
-50
10
8
6
4
2
0
-1
0
1
2

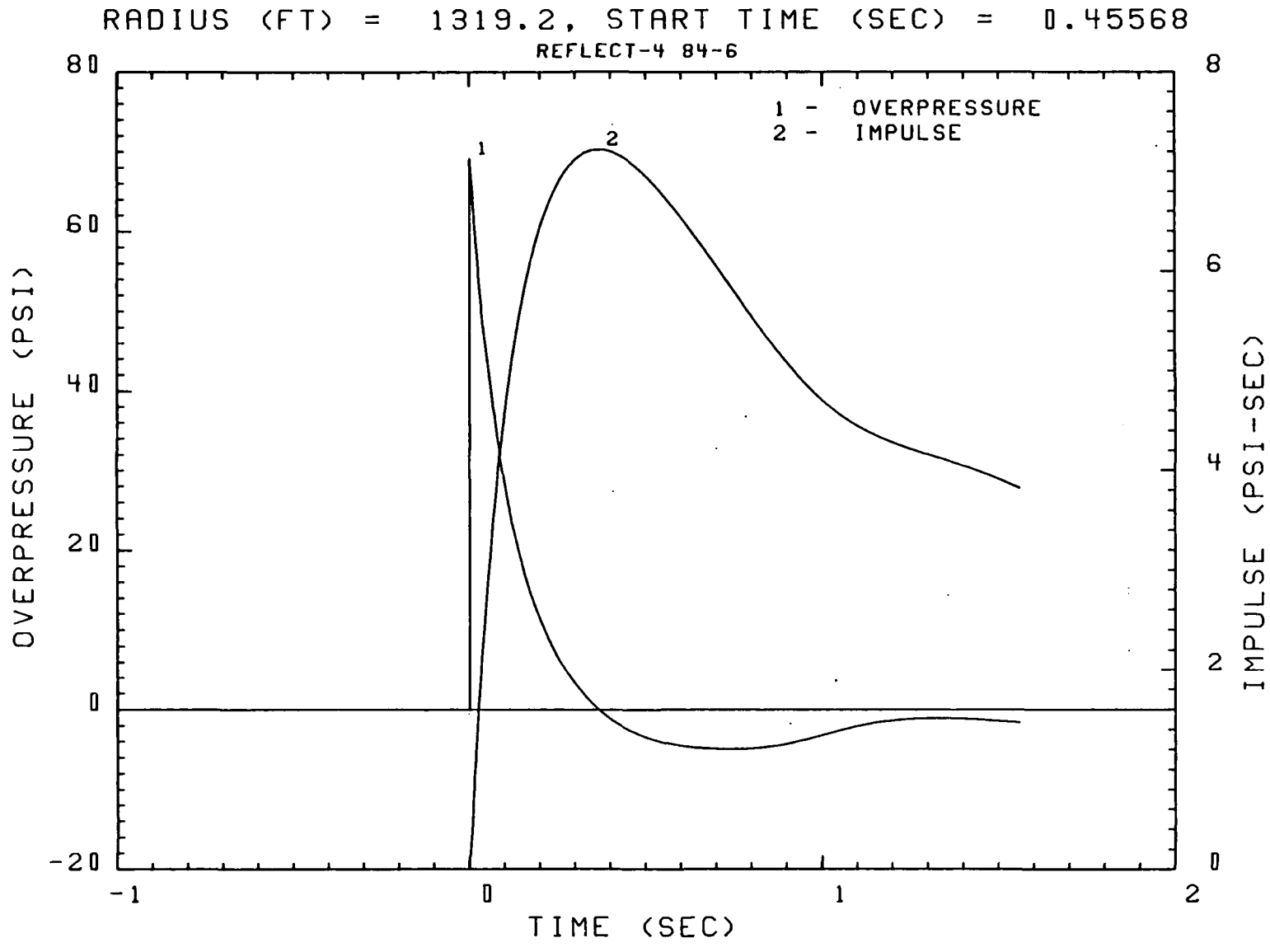

RADIUS (FT) = 1207.0, START TIME (SEC) = 0.41220
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
80
60
40
20
0
8
6
4
2
0
-0.10
0.00
0.10
0.20

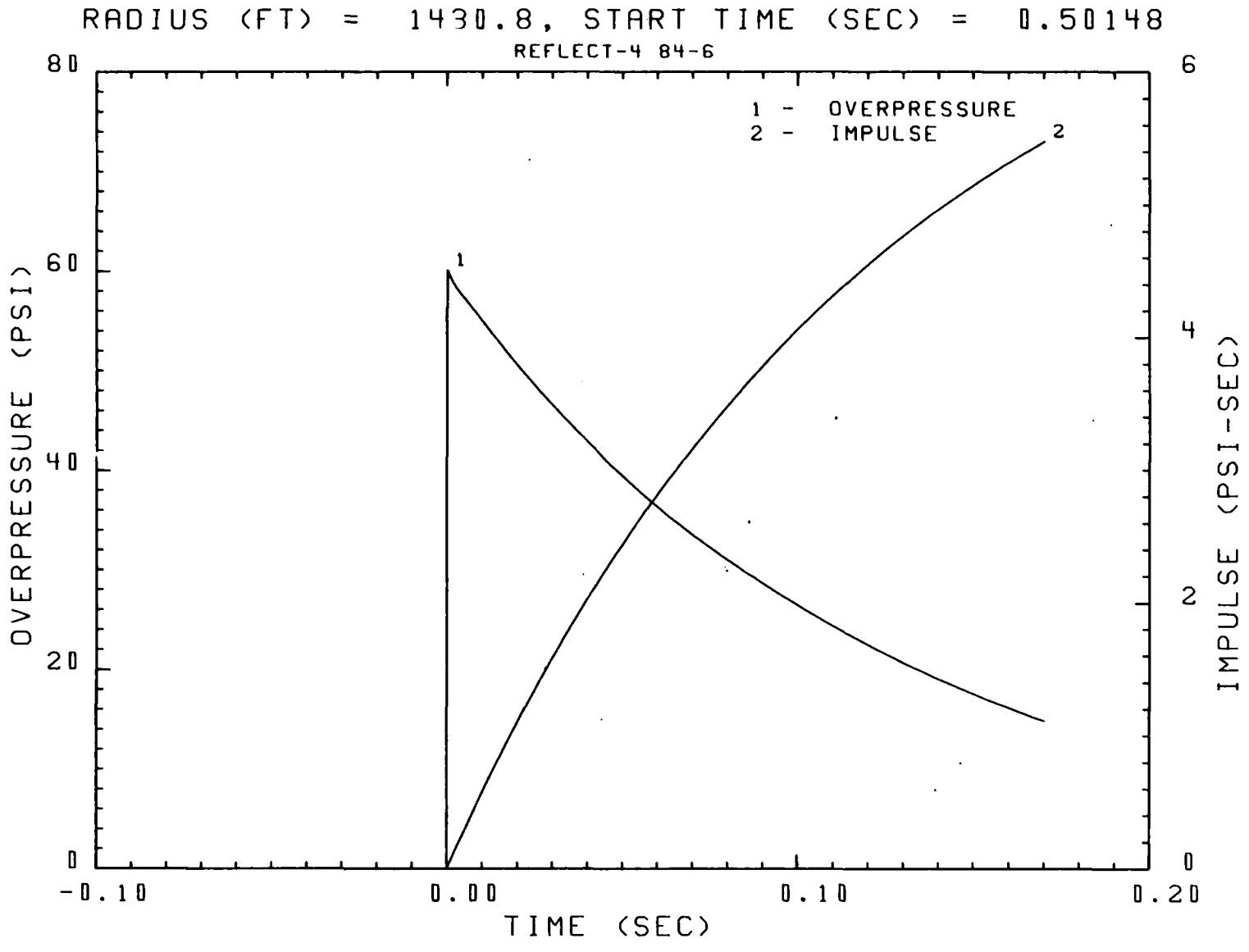

RADIUS (FT) = 1207.0, START TIME (SEC) = 0.41220
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
50
0
-50
8
6
4
2
0
-1
0
1
2

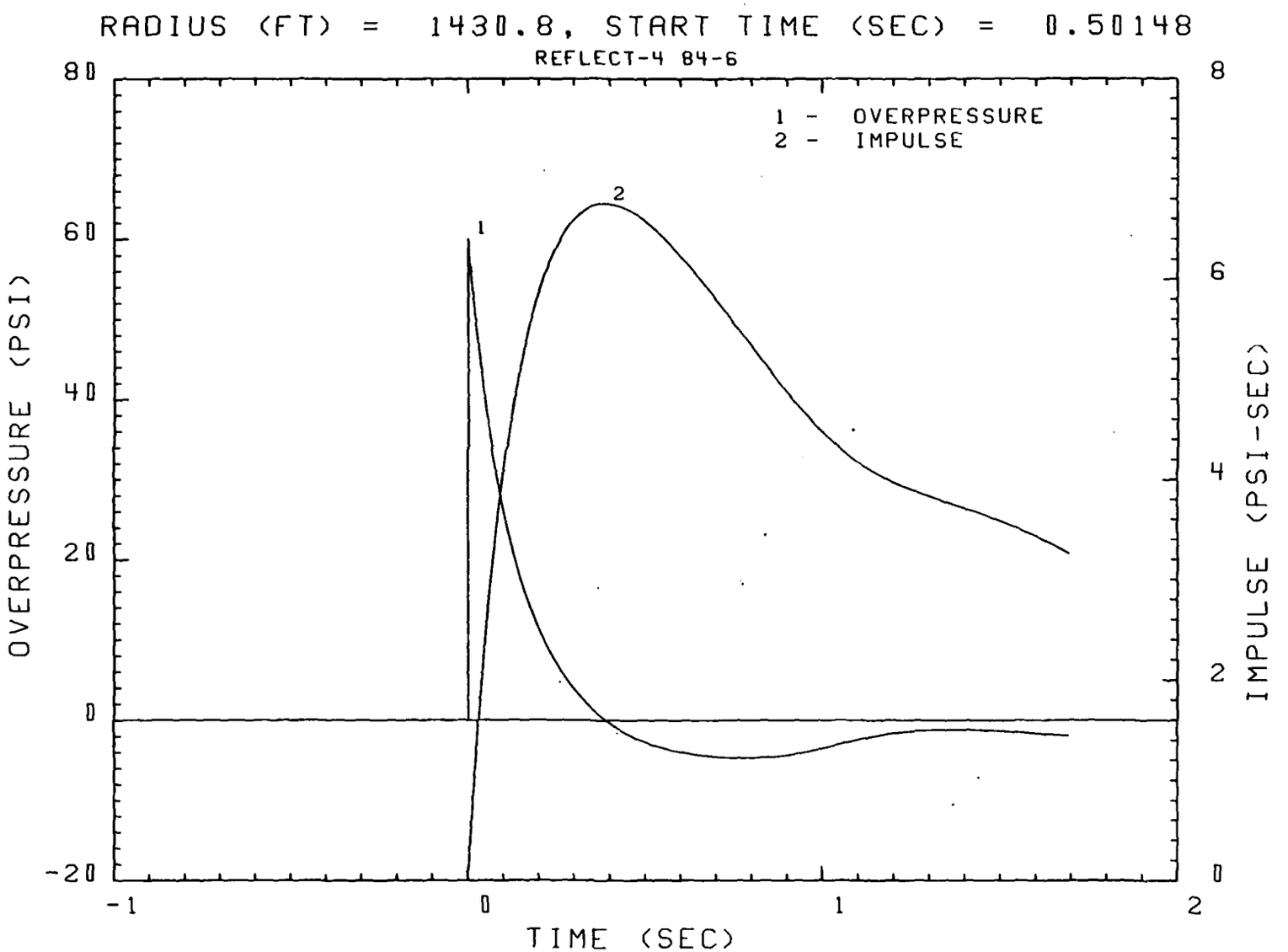

RADIUS (FT) = 1310.2, START TIME (SEC) = 0.45207
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
6
4
2
0
-0.10
0.00
0.10
0.20
1
2

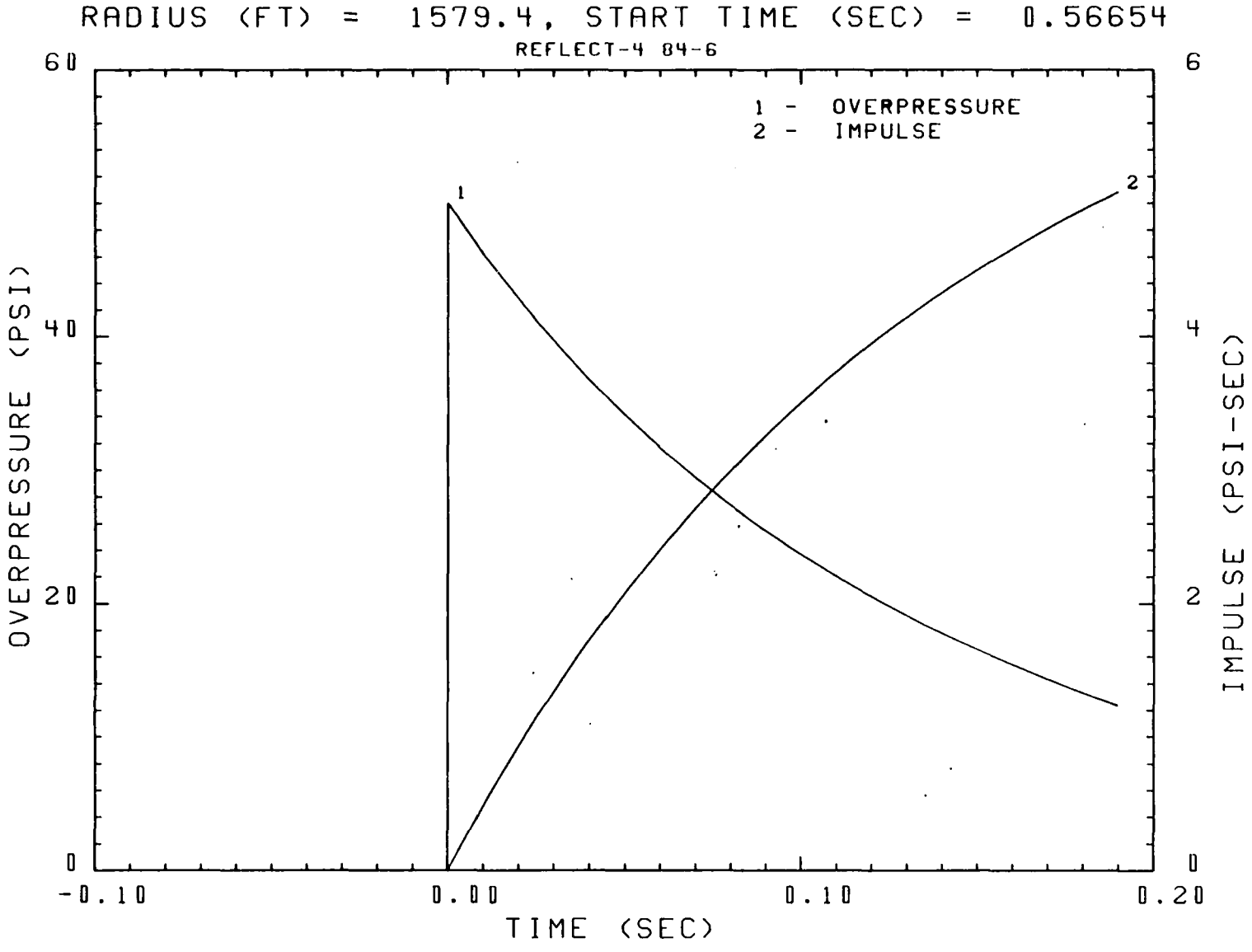

RADIUS (FT) = 1310.2, START TIME (SEC) = 0.45207
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
-20
8
6
4
2
0
-1
0
1
2

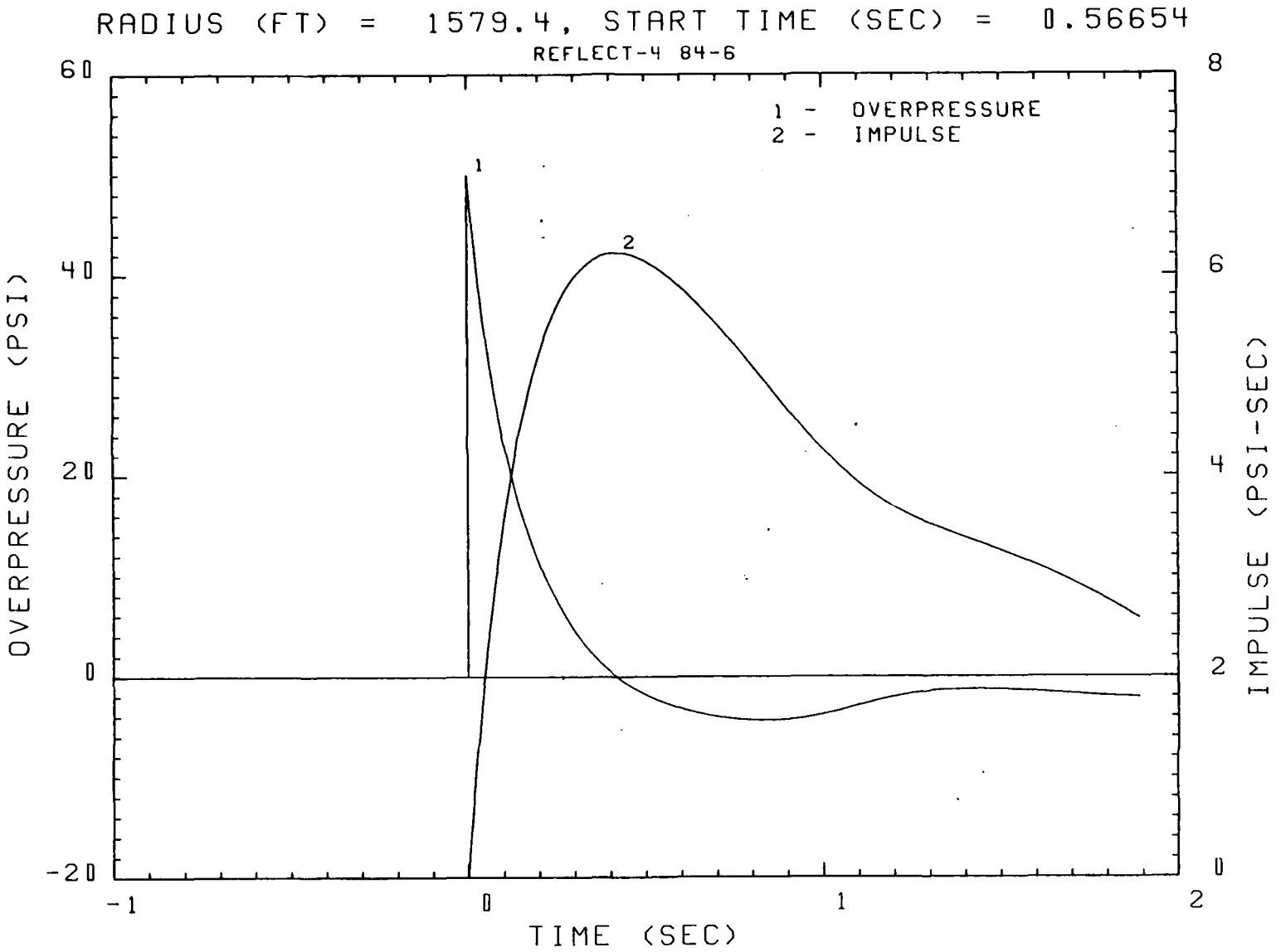

RADIUS (FT) = 1319.2, START TIME (SEC) = 0.45568
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
6
4
2
0
-0.10
0.00
0.10
0.20

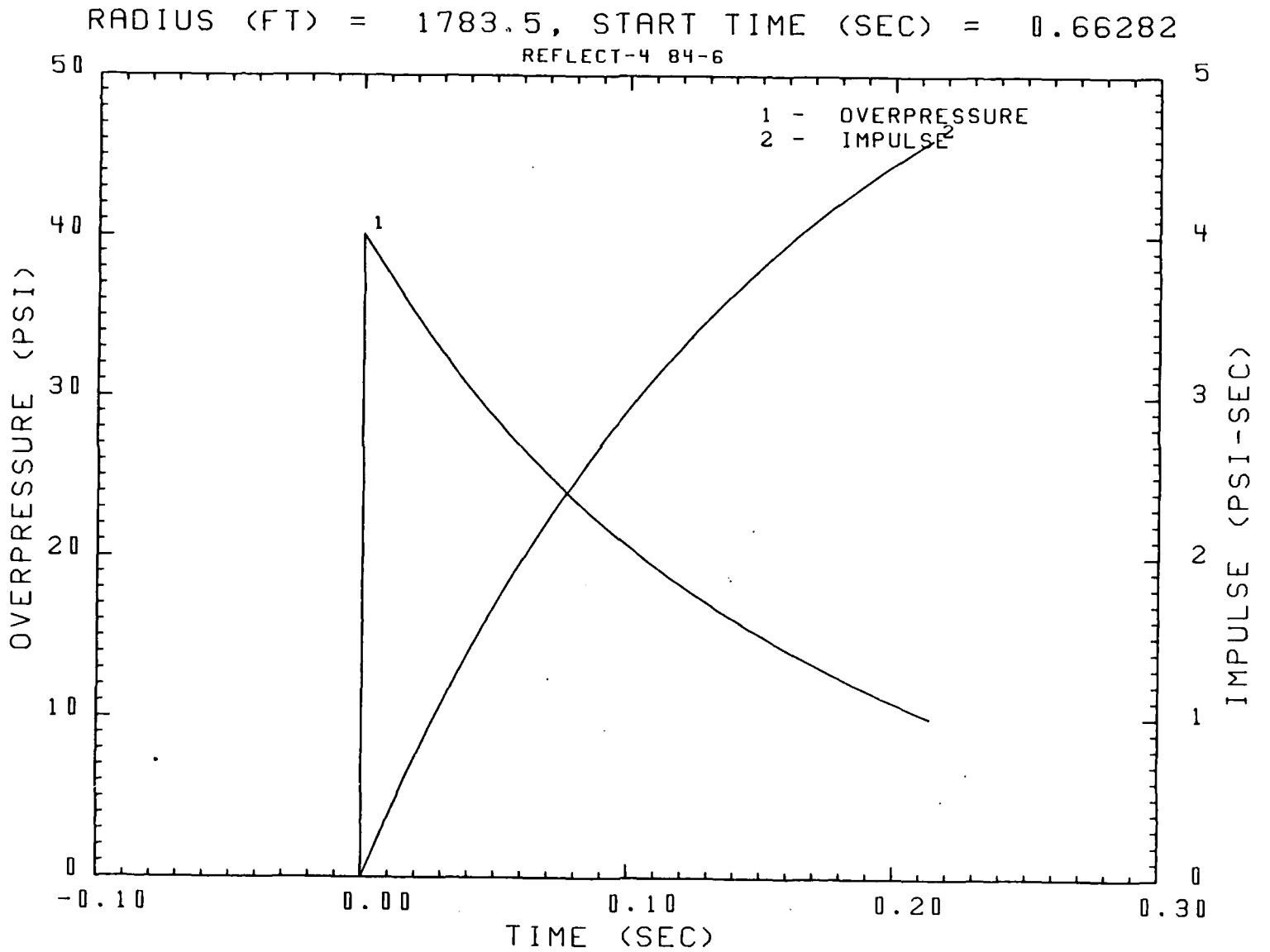

RADIUS (FT) = 1319.2, START TIME (SEC) = 0.45568
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
-20
8
6
4
2
0
-1
0
1
2

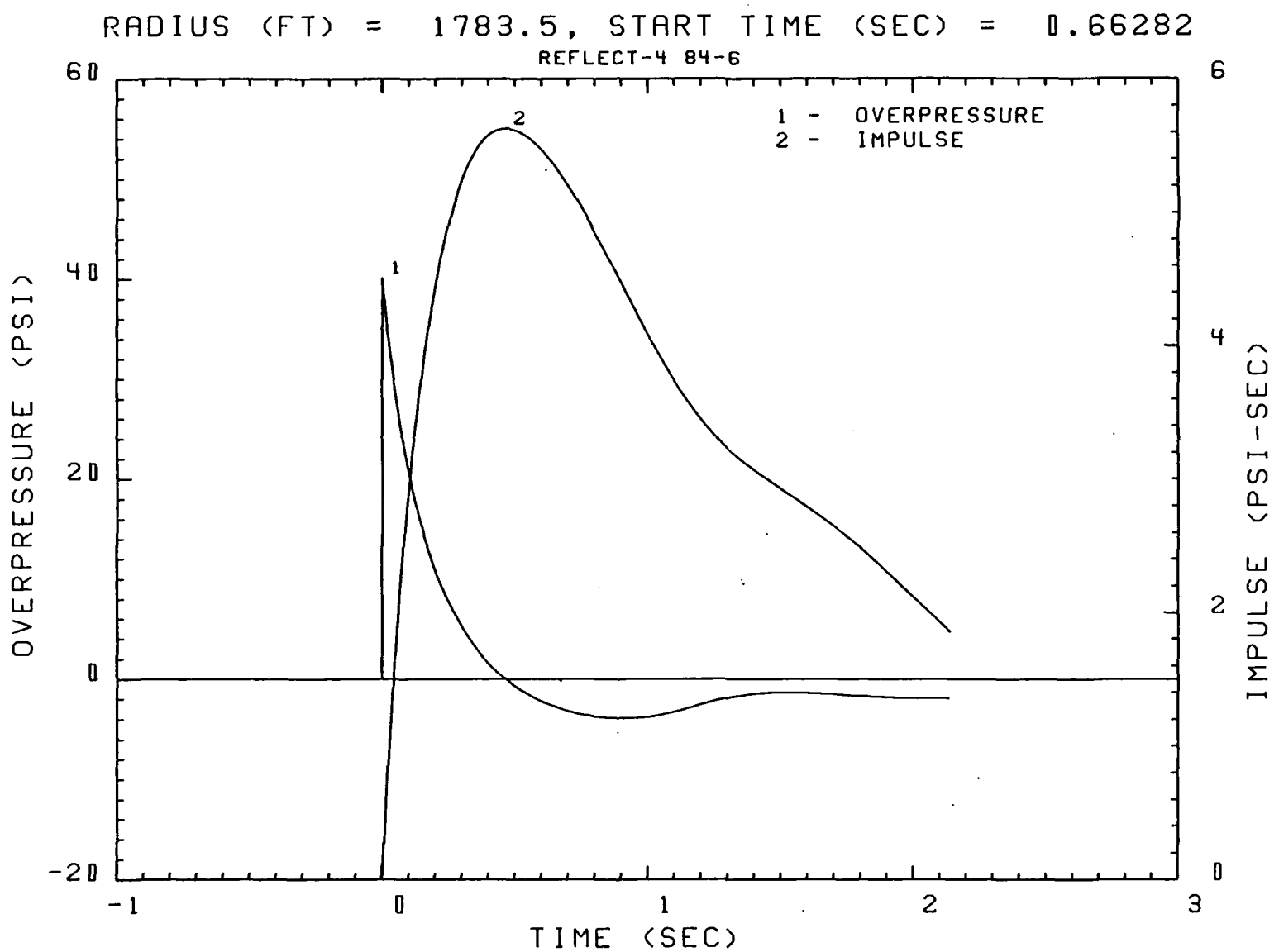

RADIUS (FT) = 1430.8, START TIME (SEC) = 0.50148
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
6
4
2
0
-0.10
0.00
0.10
0.20
1
2

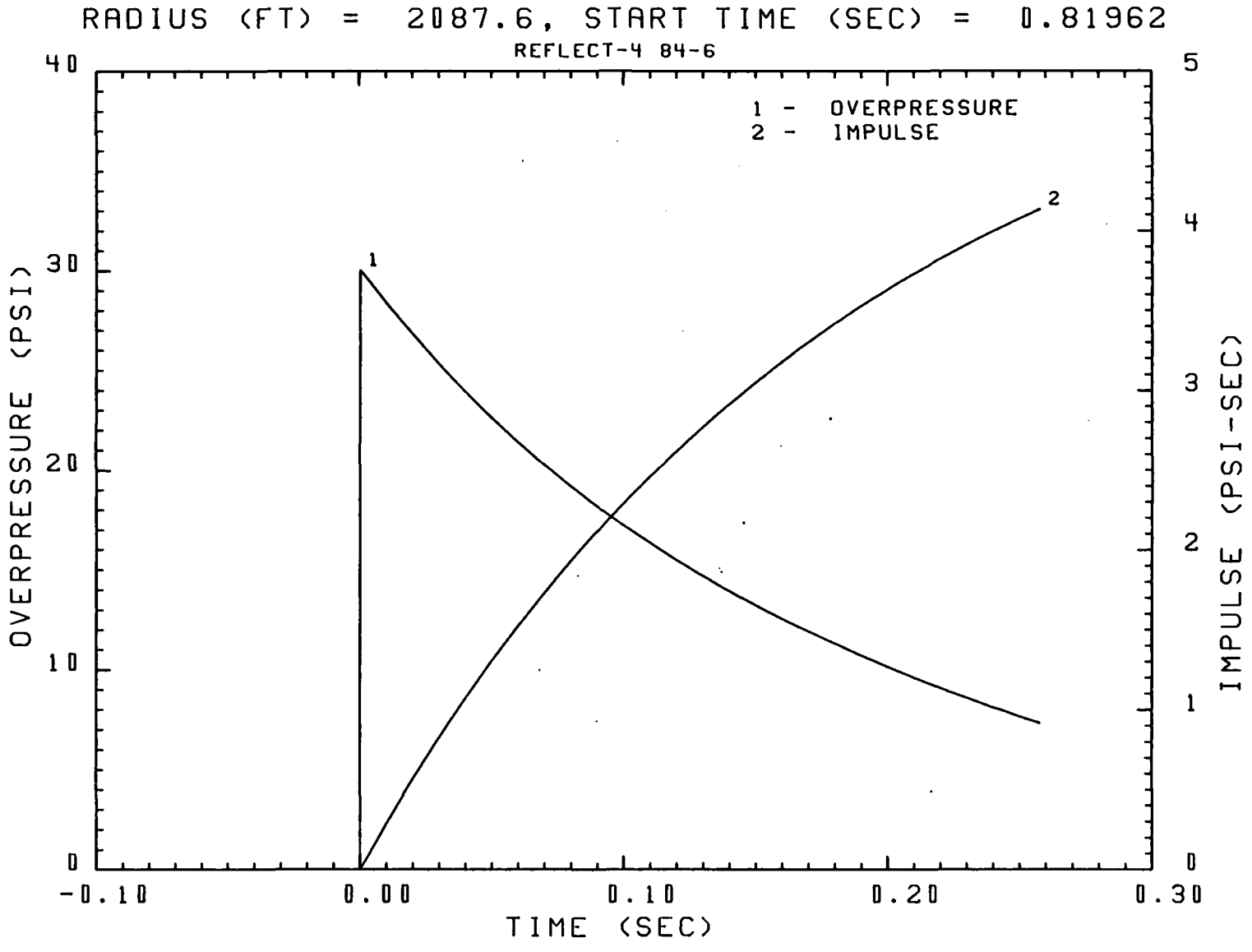

RADIUS (FT) = 1430.8, START TIME (SEC) = 0.50148
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
-20
8
6
4
2
0
-1
0
1
2

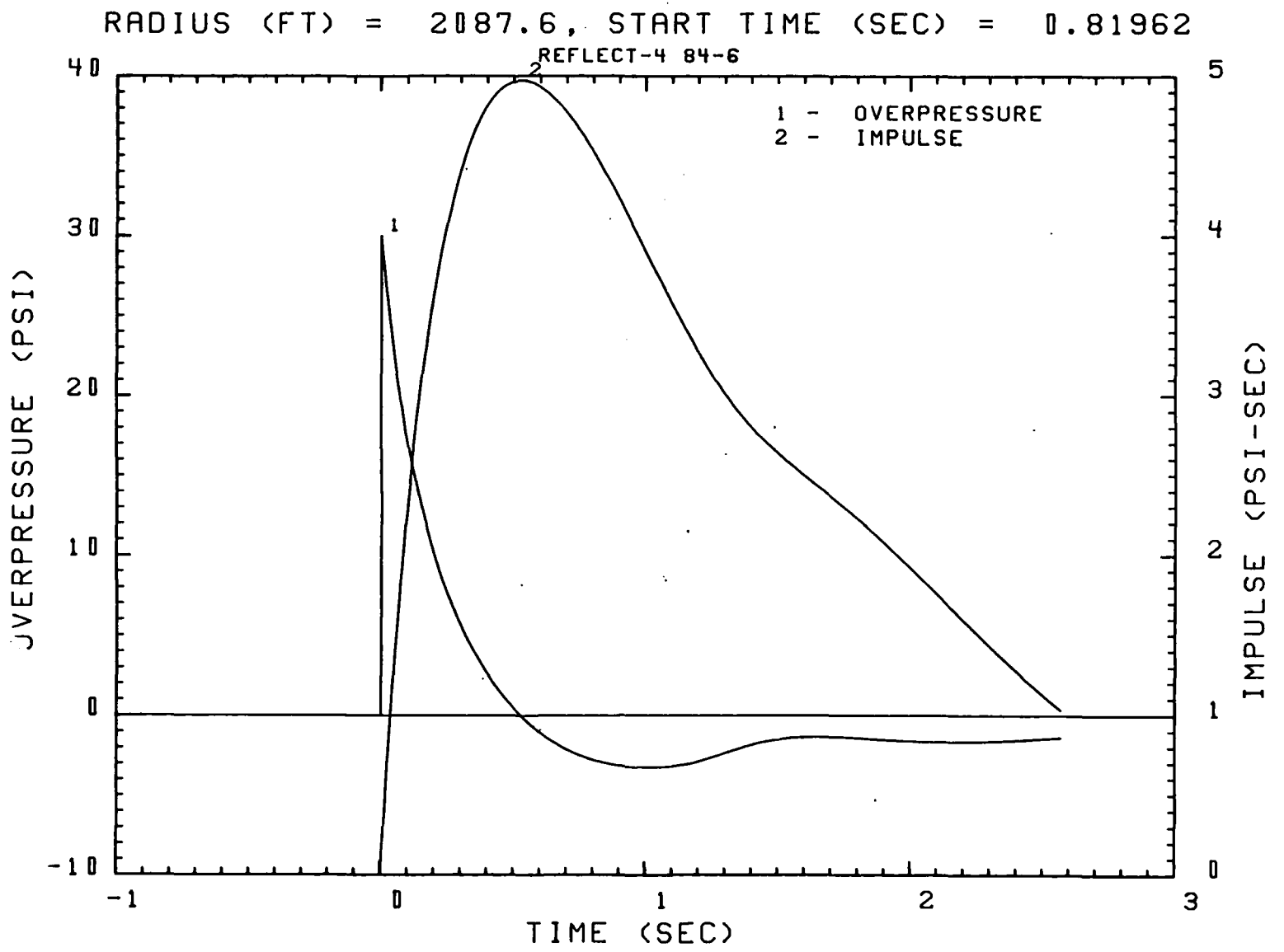

RADIUS (FT) = 1579.4, START TIME (SEC) = 0.56654
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
6
4
2
0
-0.10
0.00
0.10
0.20
1
2

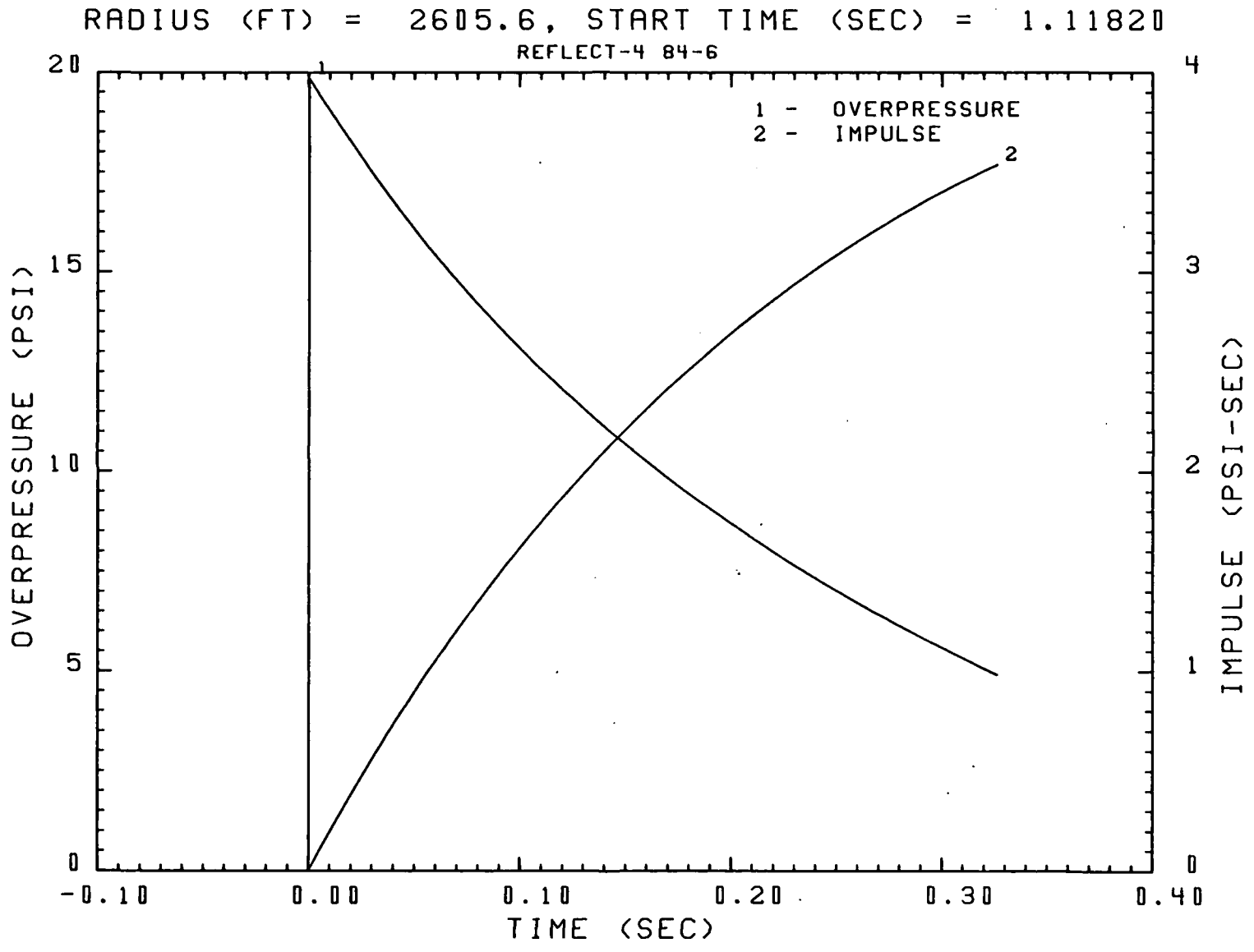

RADIUS (FT) = 1579.4, START TIME (SEC) = 0.56654
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
8
6
4
2
0
-1
0
1
2
1
2

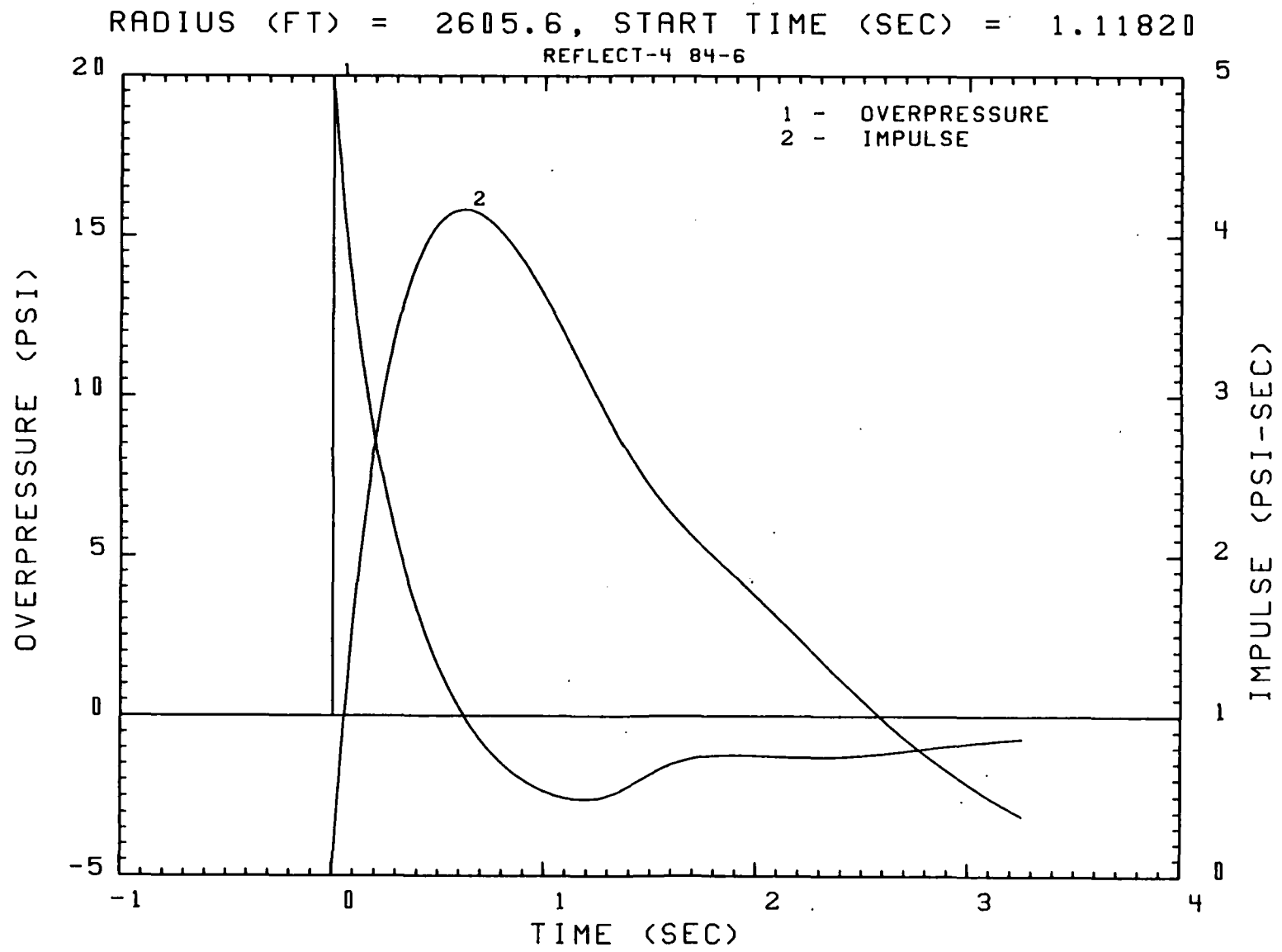

RADIUS (FT) = 1783.5, START TIME (SEC) = 0.66282
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
50
40
30
20
10
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

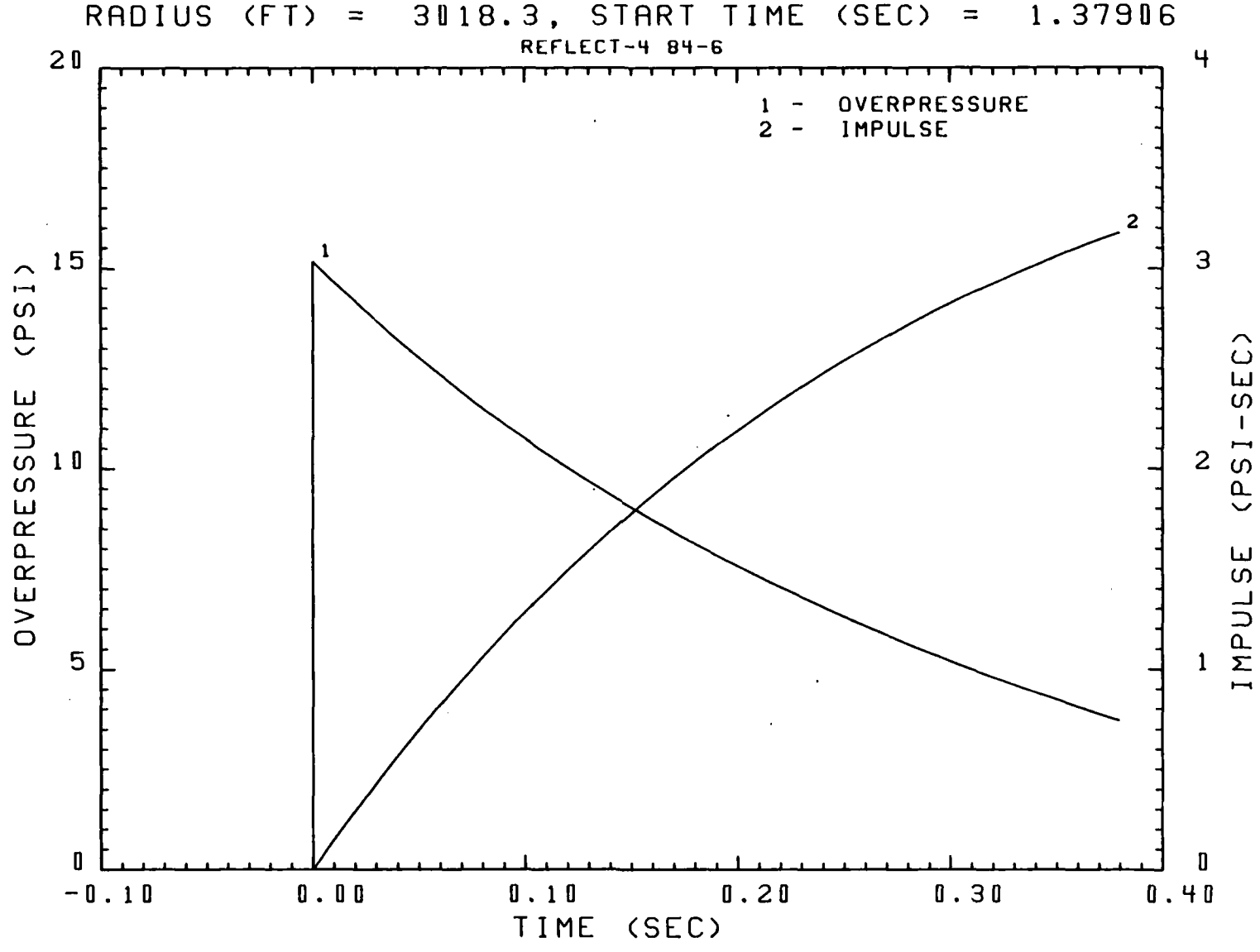

RADIUS (FT) = 1783.5, START TIME (SEC) = 0.66282
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
6
4
2
0
-1
0
1
2
3
1
2

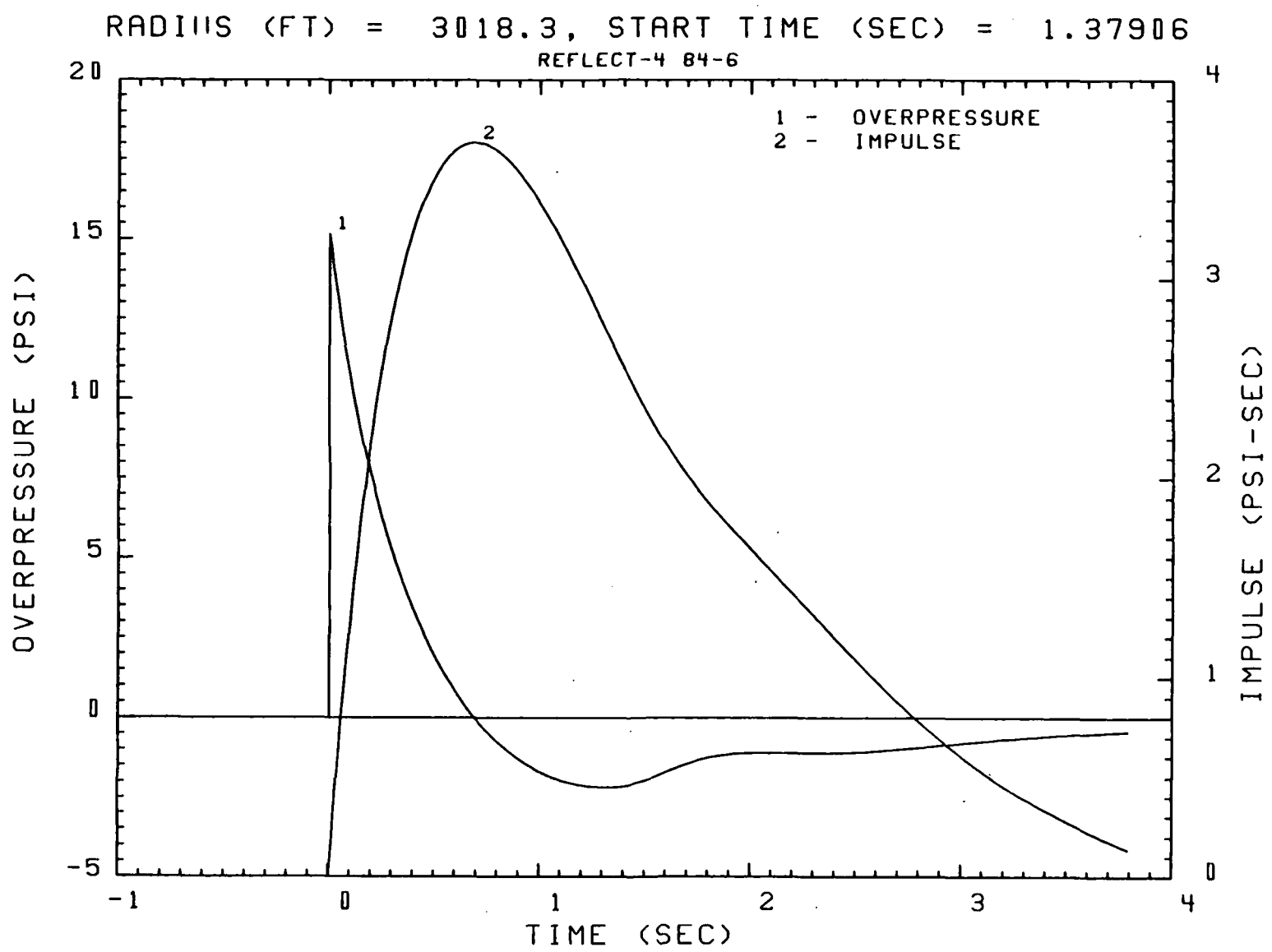

RADIUS (FT) = 2087.6, START TIME (SEC) = 0.81962
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
1
2

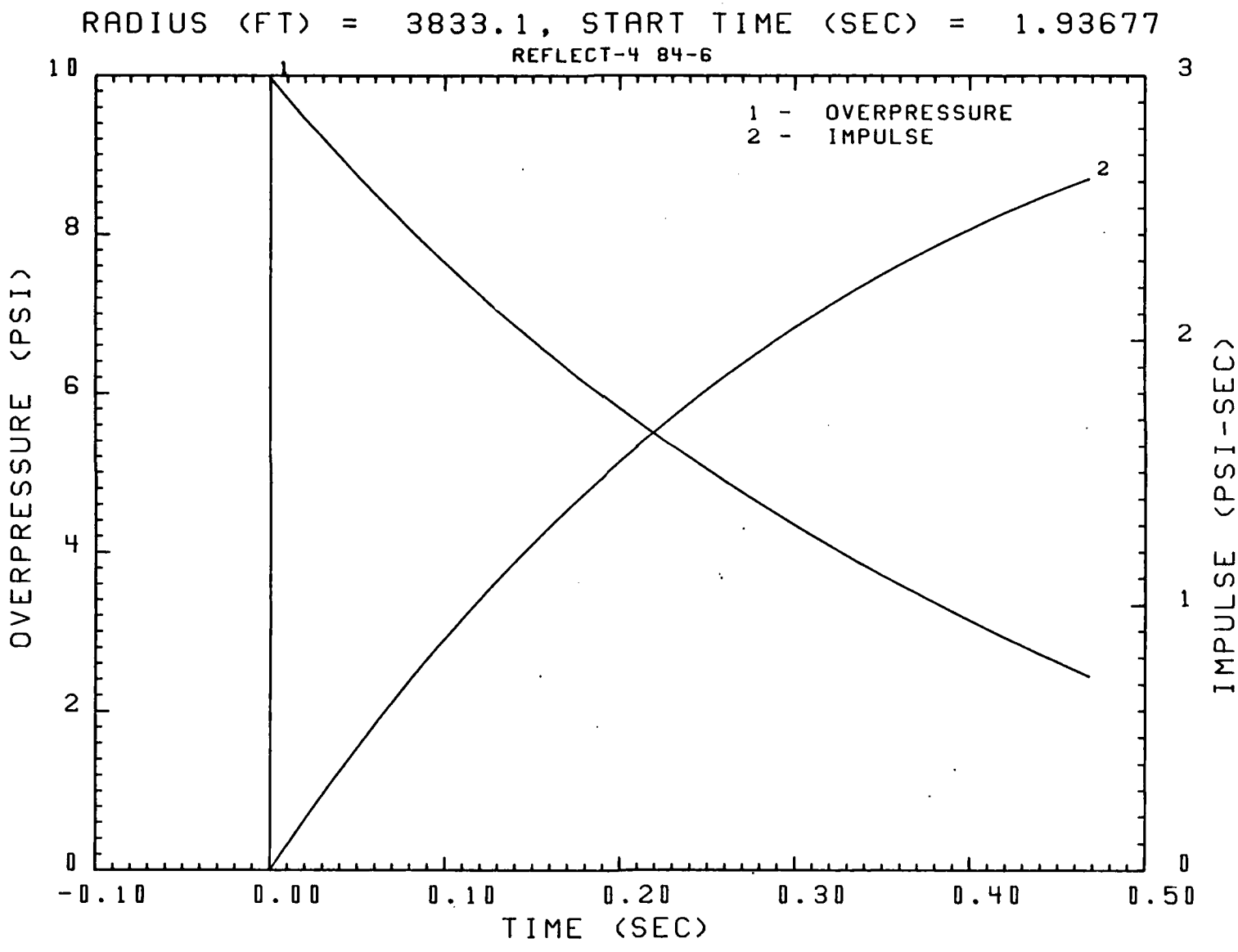

RADIUS (FT) = 2087.6, START TIME (SEC) = 0.81962
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

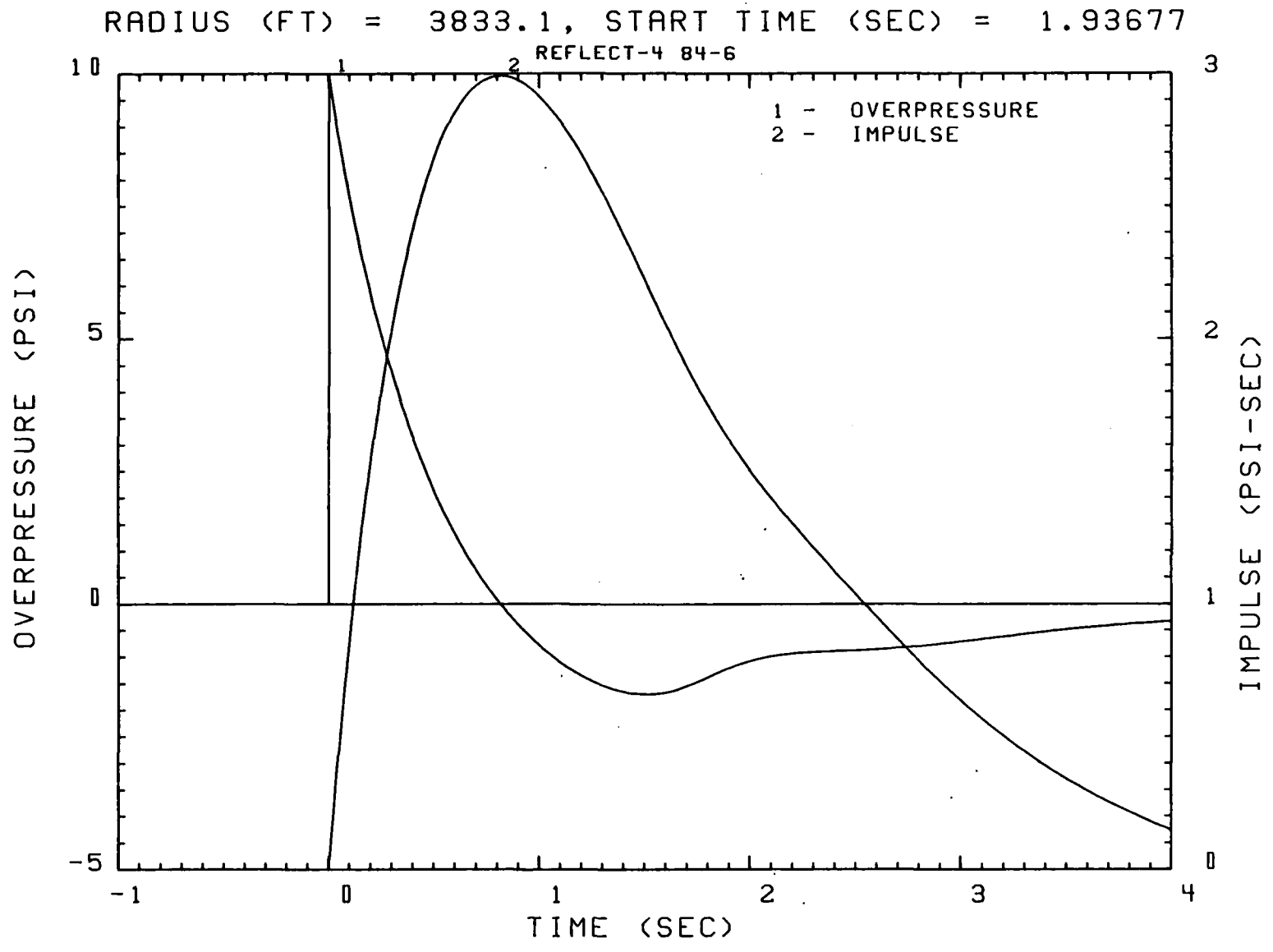

RADIUS (FT) = 2605.6, START TIME (SEC) = 1.11820
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
5
10
15
20
1
2
3
4
-0.10
0.00
0.10
0.20
0.30
0.40

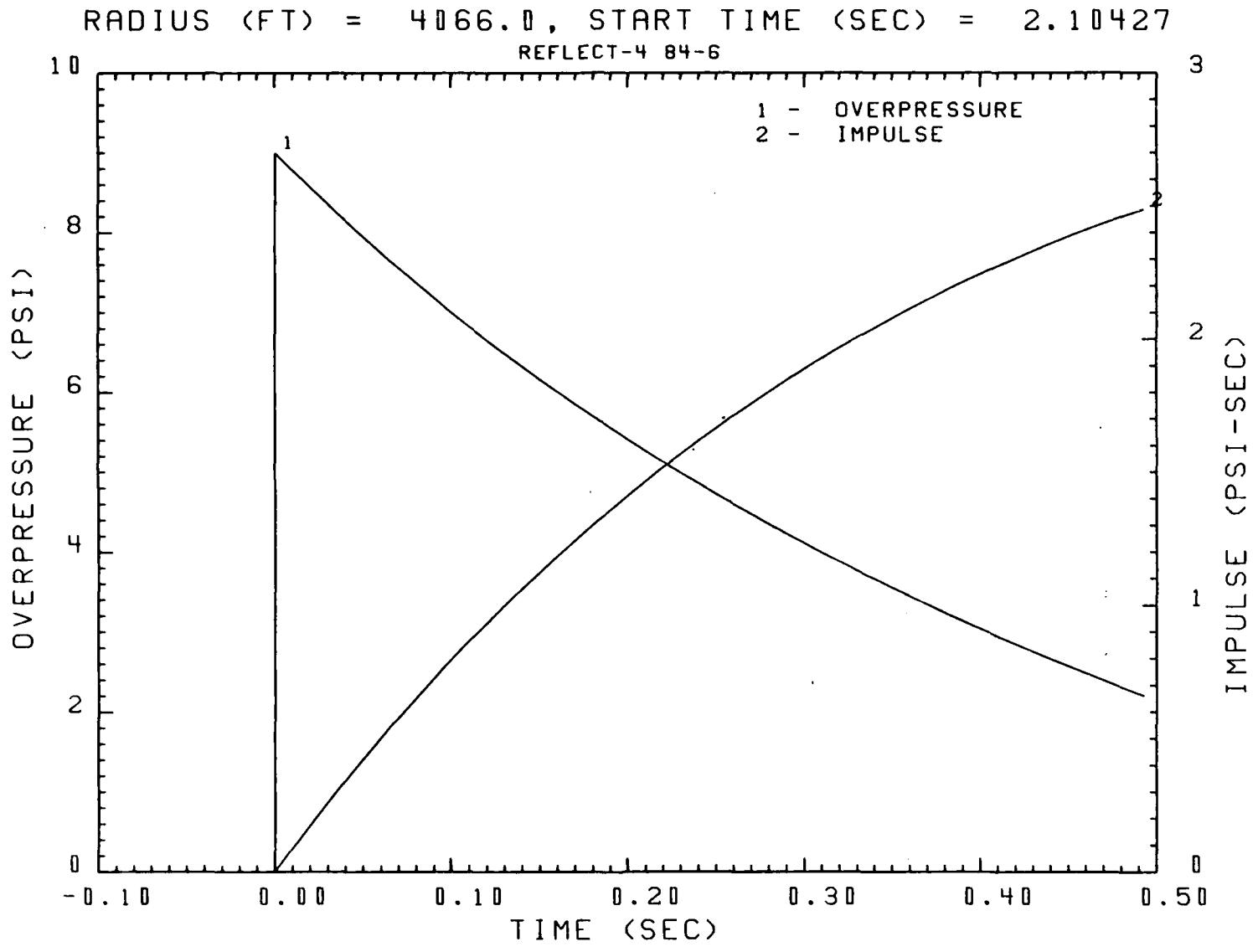

RADIUS (FT) = 2605.6, START TIME (SEC) = 1.11820
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
-5
5
4
3
2
1
0
-1
0
1
2
3
4

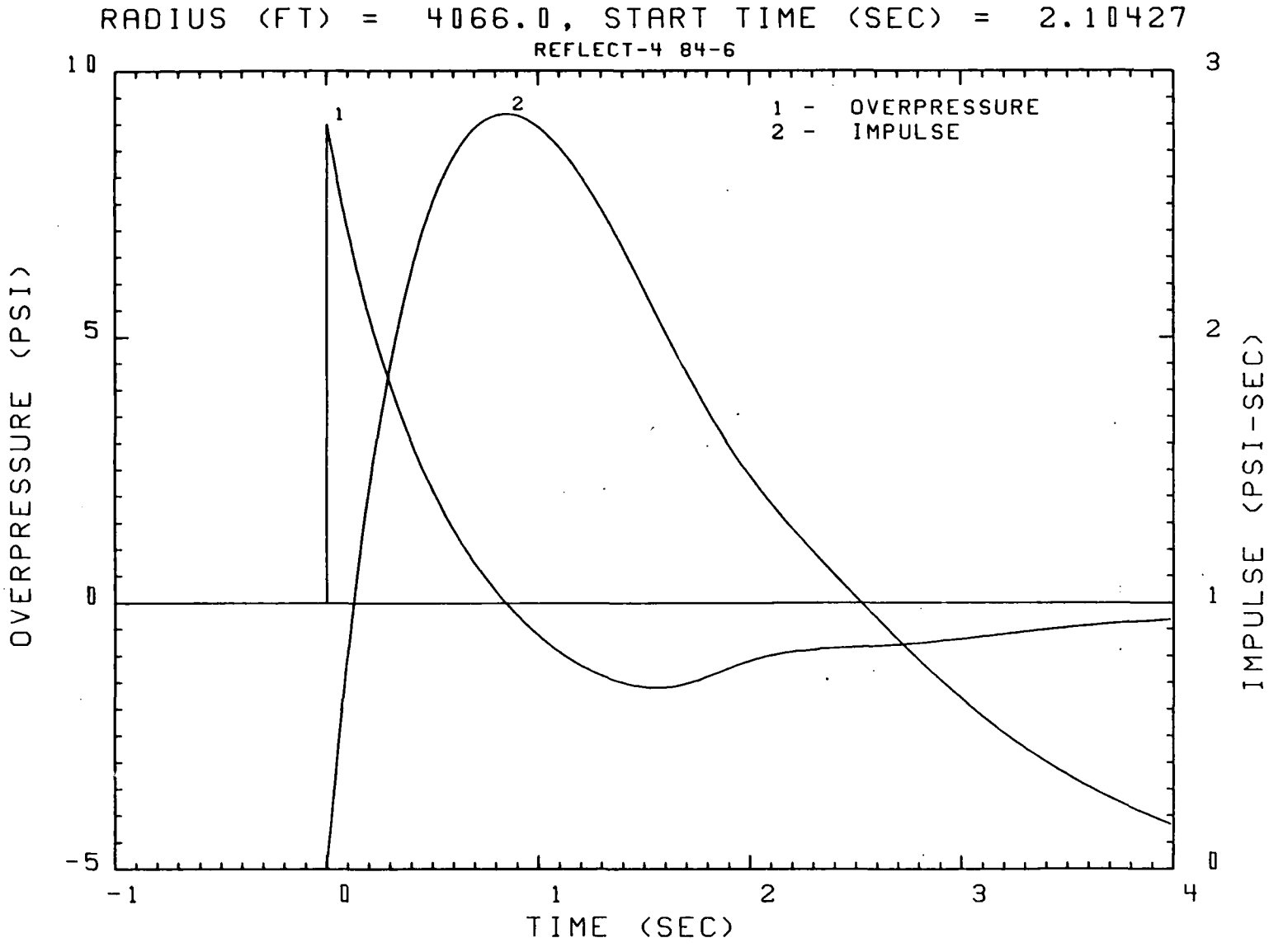

RADIUS (FT) = 3018.3, START TIME (SEC) = 1.37906
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40

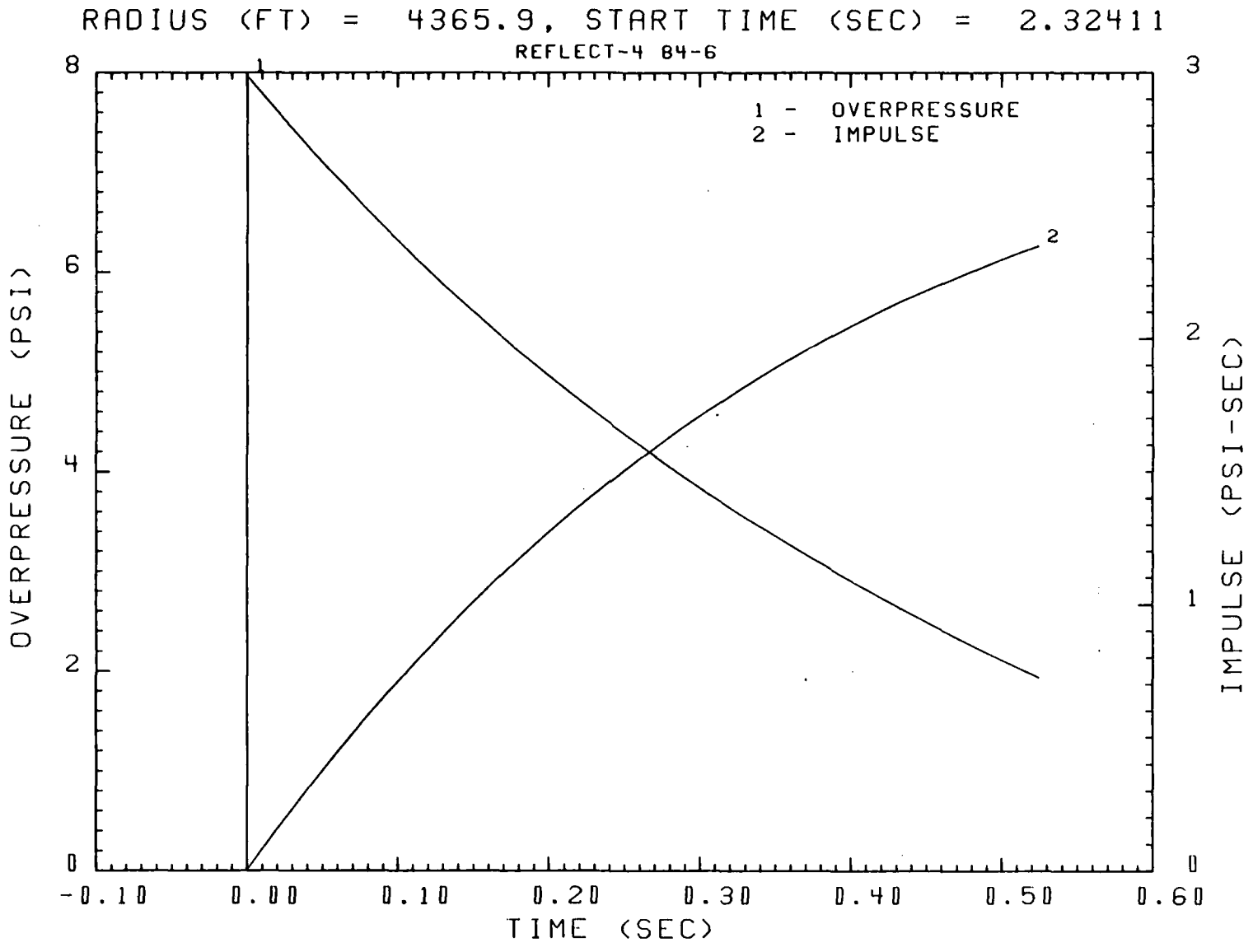

RADIUS (FT) = 3018.3, START TIME (SEC) = 1.37906
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
-5
4
3
2
1
0
-1
0
1
2
3
4

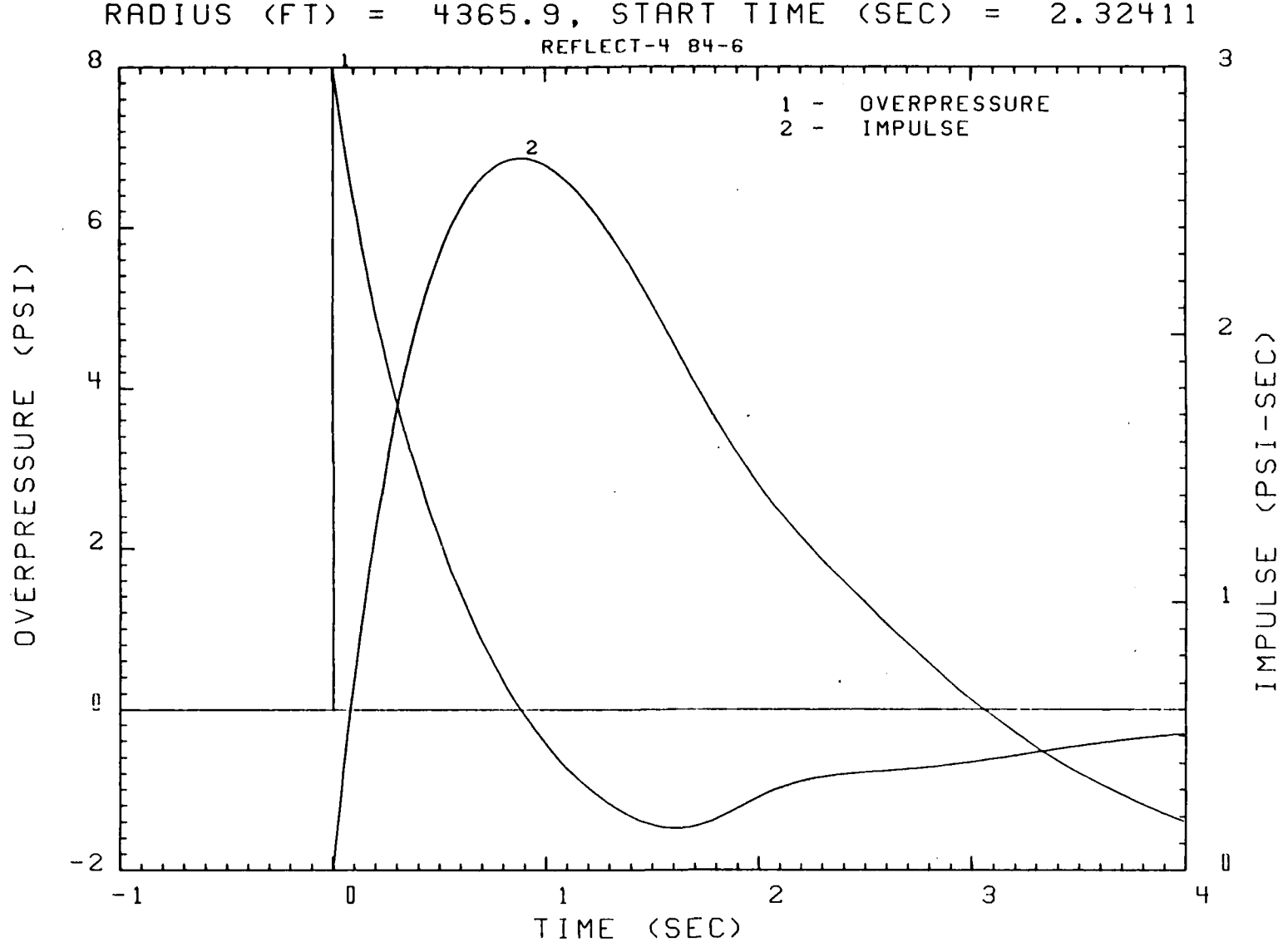

RADIUS (FT) = 3833.1, START TIME (SEC) = 1.93677
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

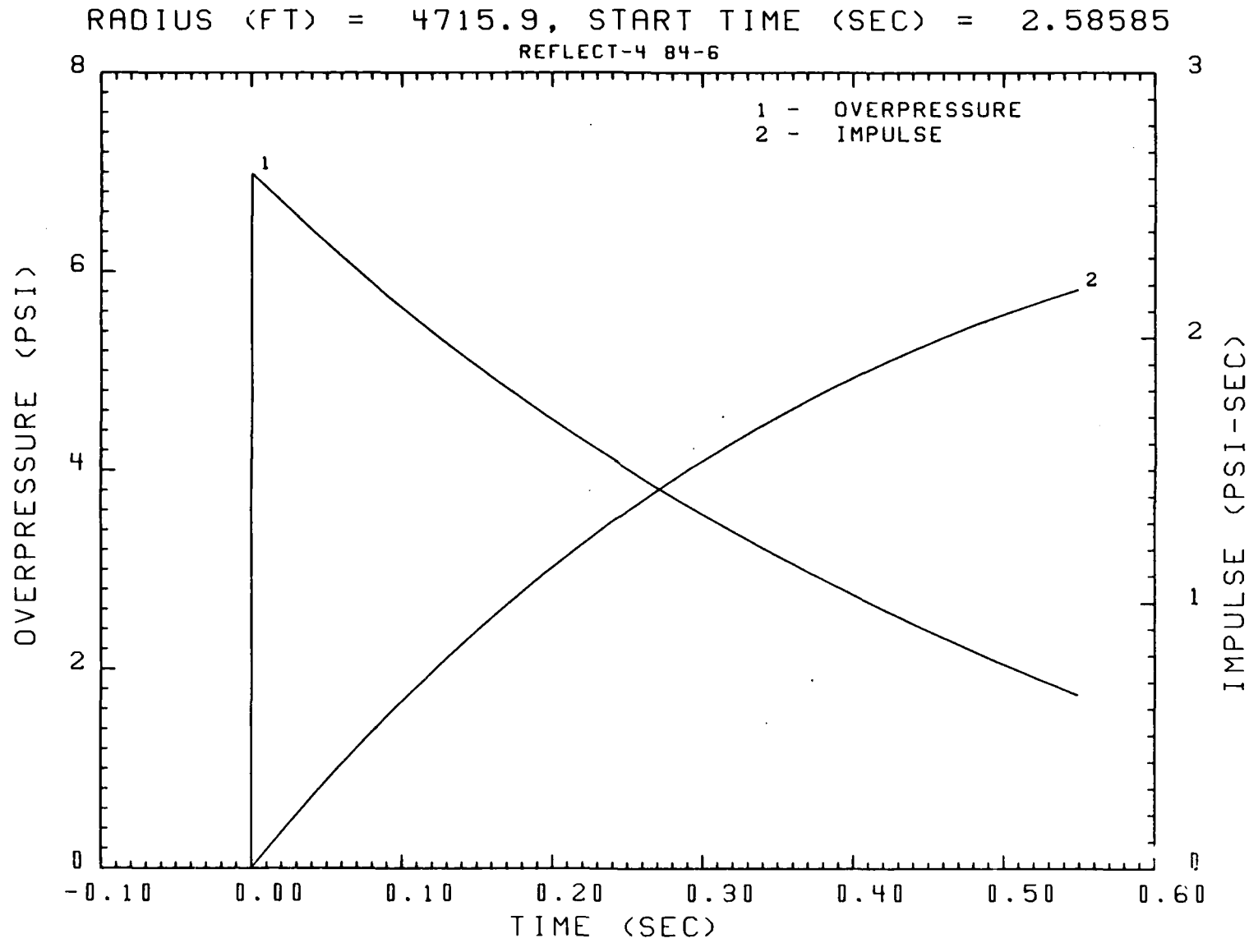

RADIUS (FT) = 3833.1, START TIME (SEC) = 1.93677
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
3
2
1
0
-1
0
1
2
3
4

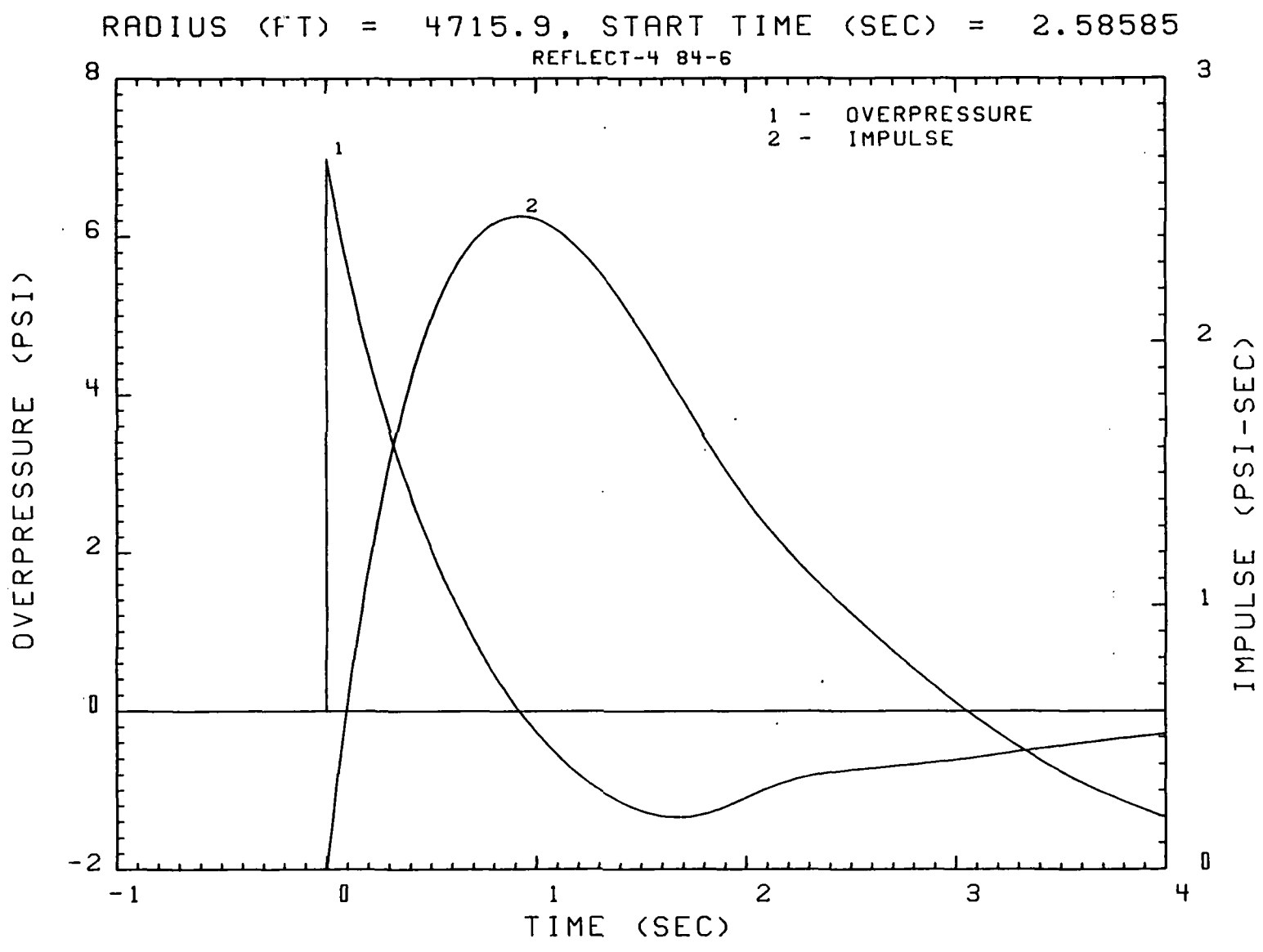

RADIUS (FT) = 4066.0, START TIME (SEC) = 2.10427
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

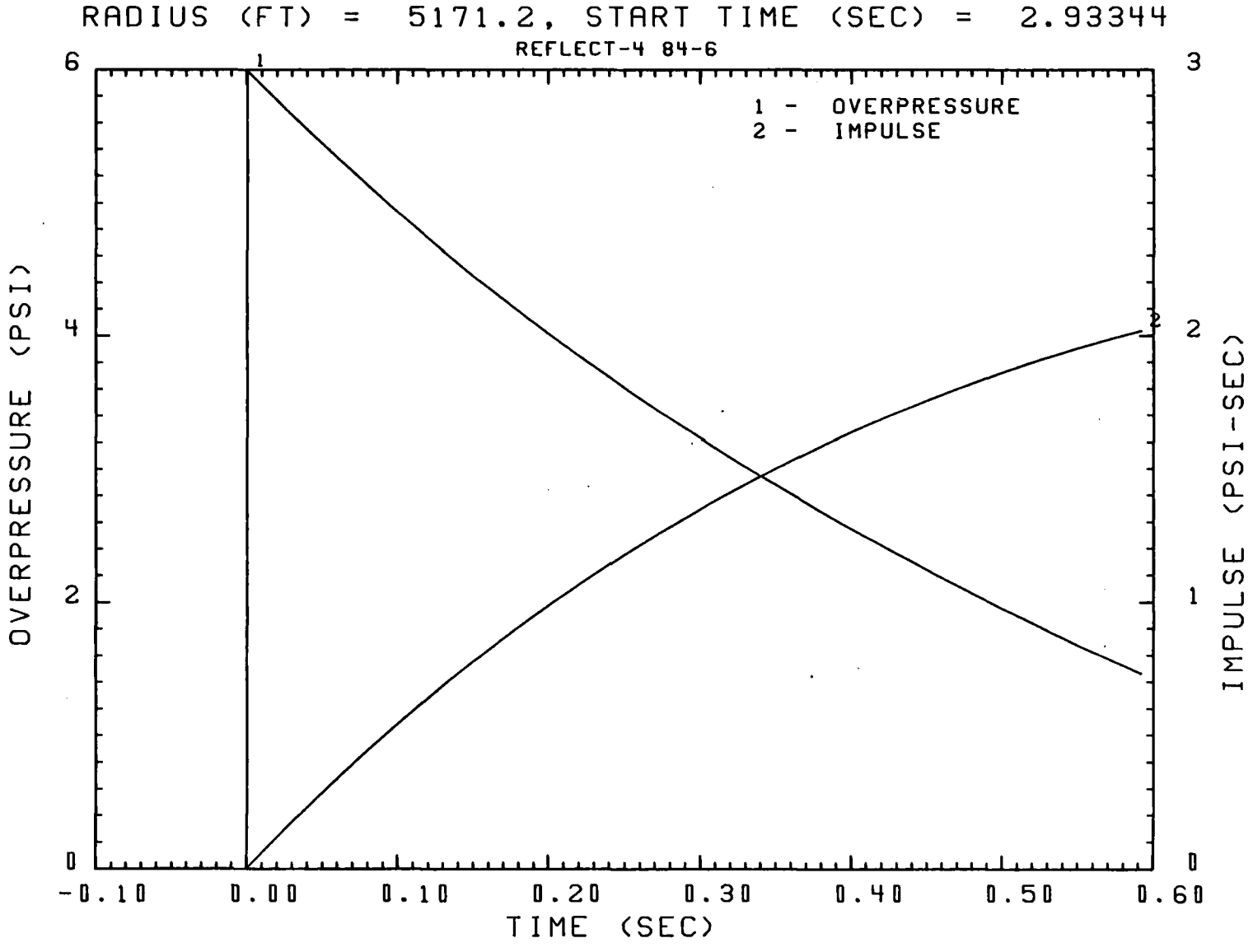

RADIUS (FT) = 4066.0, START TIME (SEC) = 2.10427
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
3
2
1
0
-1
0
1
2
3
4

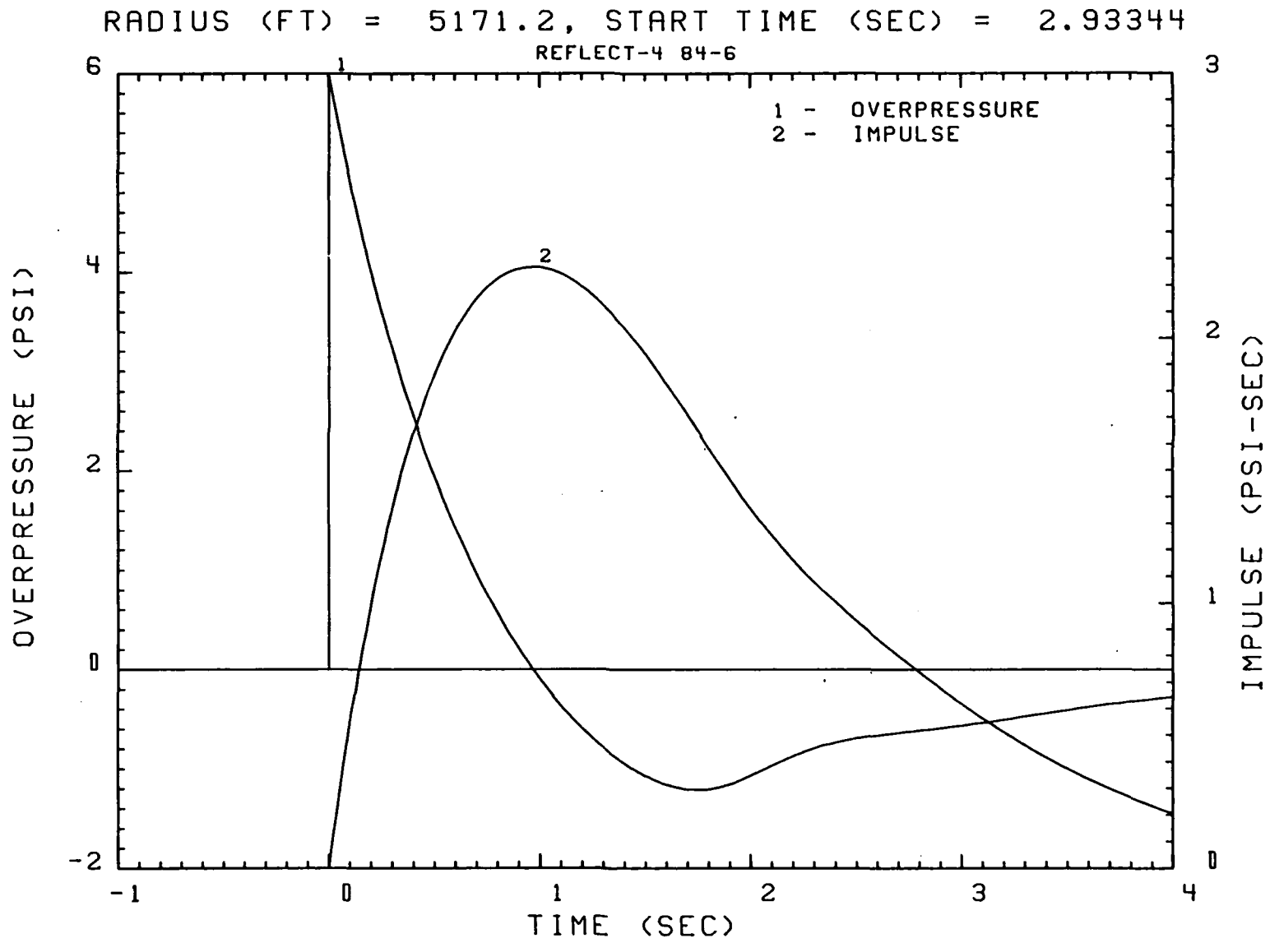

RADIUS (FT) = 4365.9, START TIME (SEC) = 2.32411
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
1
2
3
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

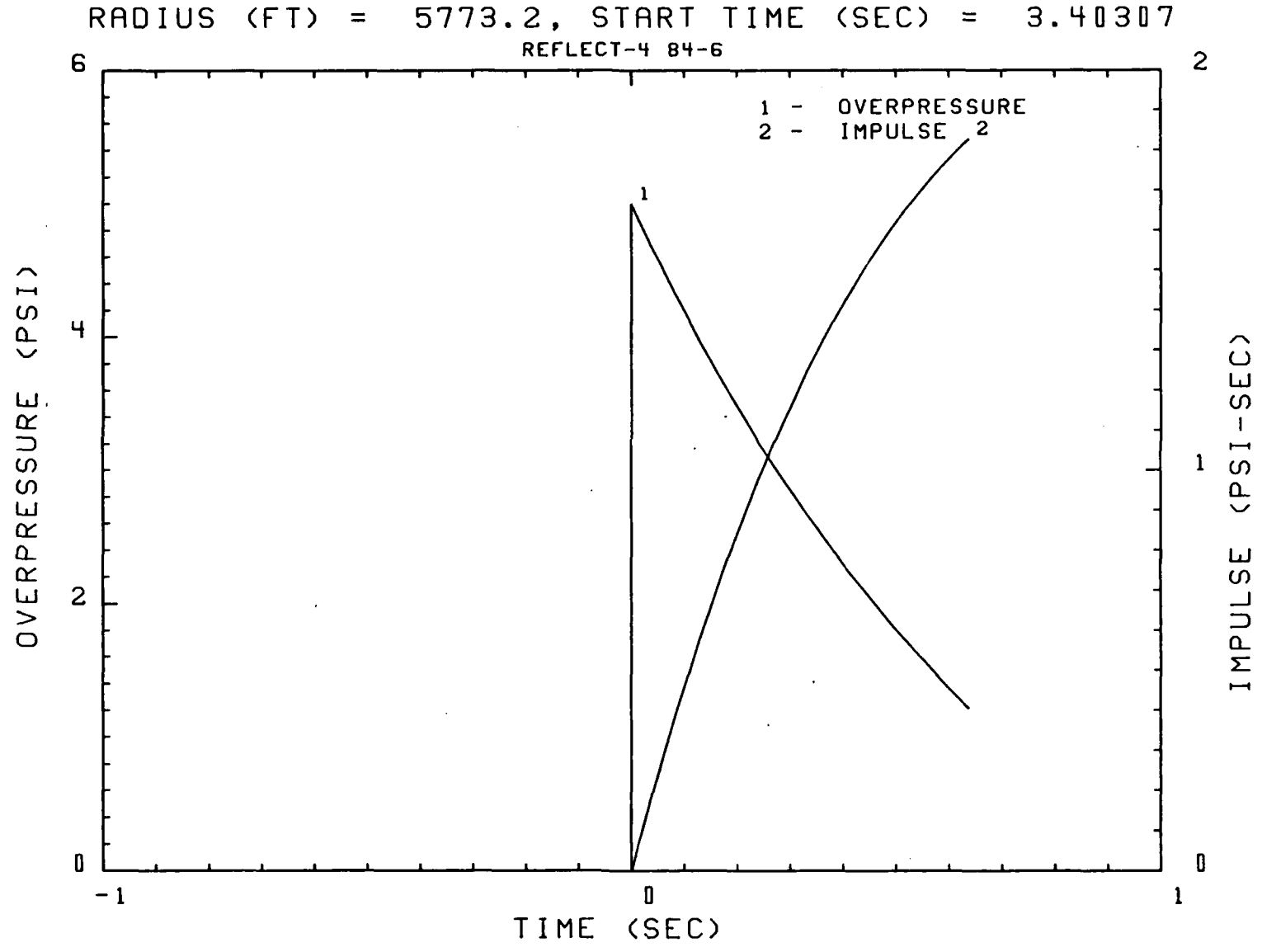

RADIUS (FT) = 4365.9, START TIME (SEC) = 2.32411
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
2
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
3
2
1
0
-1
0
1
2
3
4

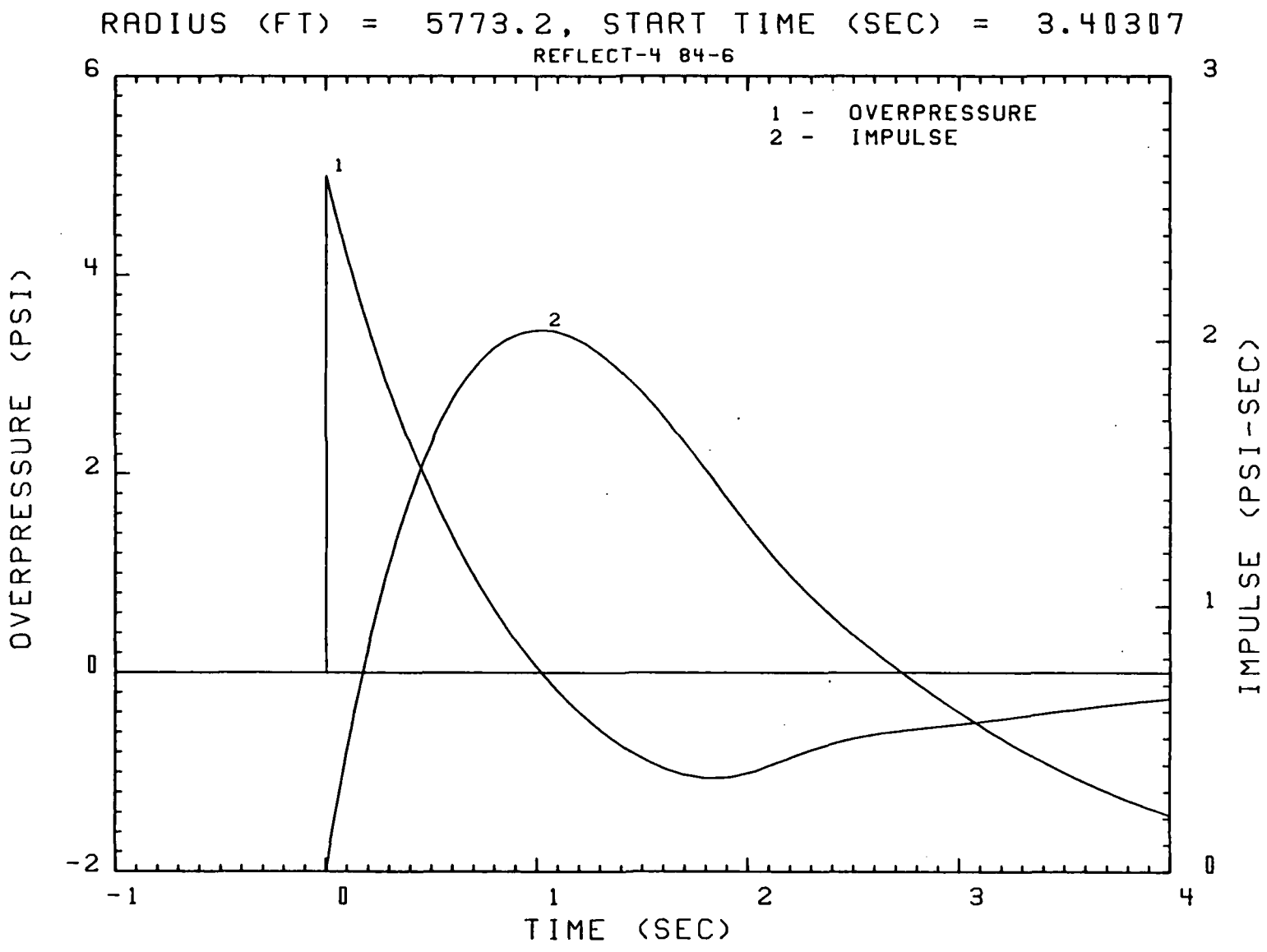

RADIUS (FT) = 4715.9, START TIME (SEC) = 2.58585
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
1
2
3
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

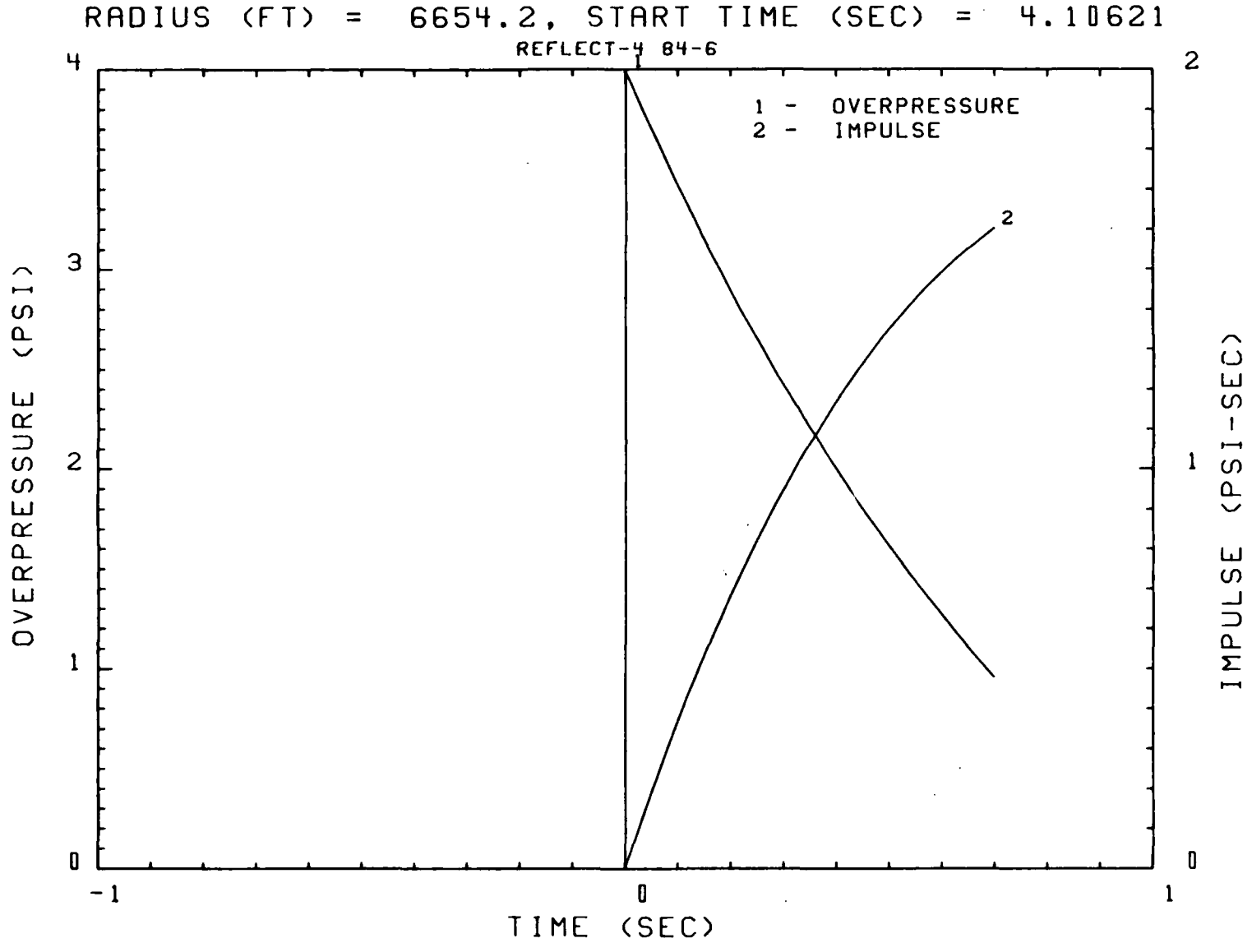

RADIUS (FT) = 4715.9, START TIME (SEC) = 2.58585
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
3
2
1
0
-1
0
1
2
3
4

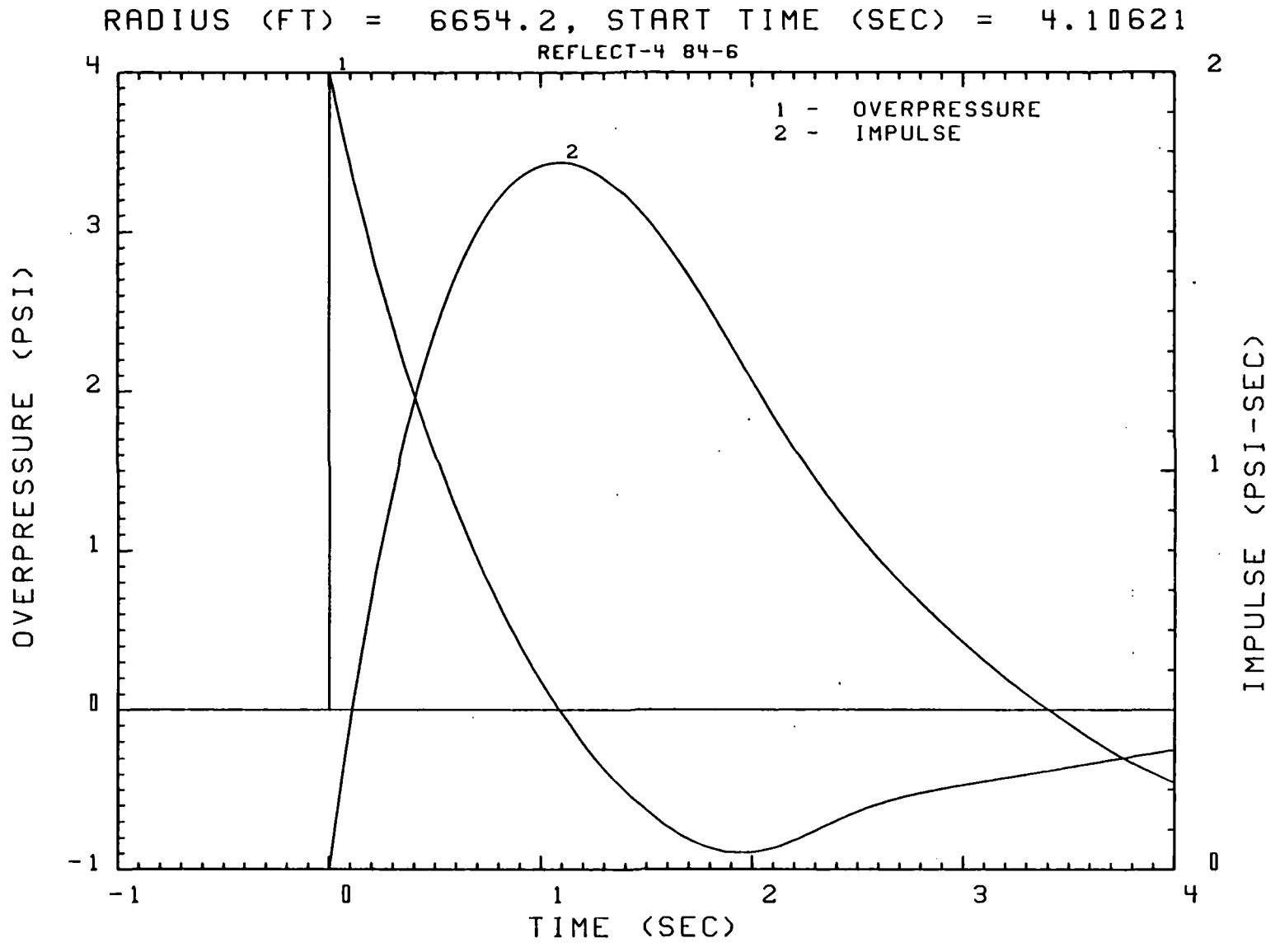

RADIUS (FT) = 5171.2, START TIME (SEC) = 2.93344
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

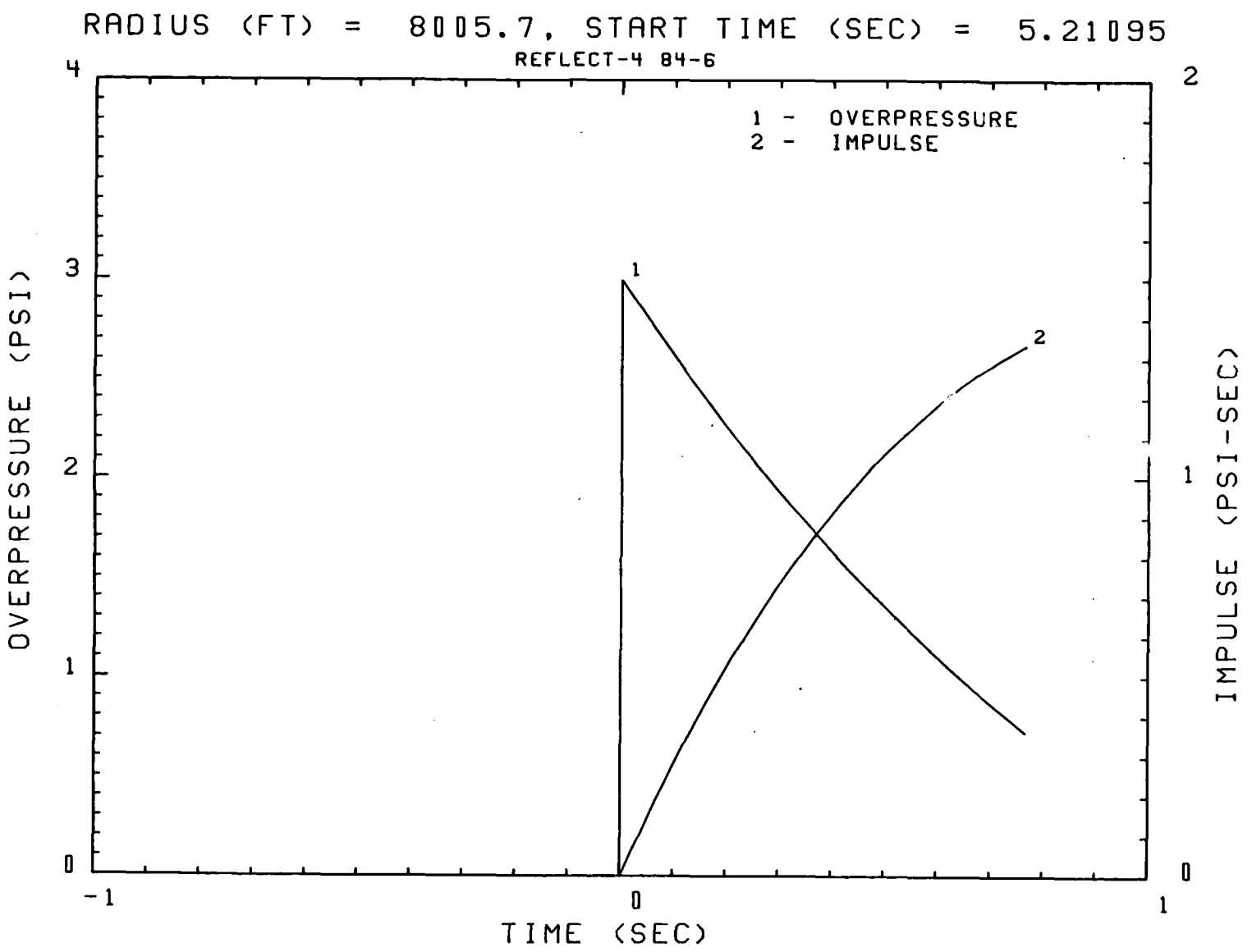

RADIUS (FT) = 5171.2, START TIME (SEC) = 2.93344
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
3
2
1
0
-1
0
1
2
3
4

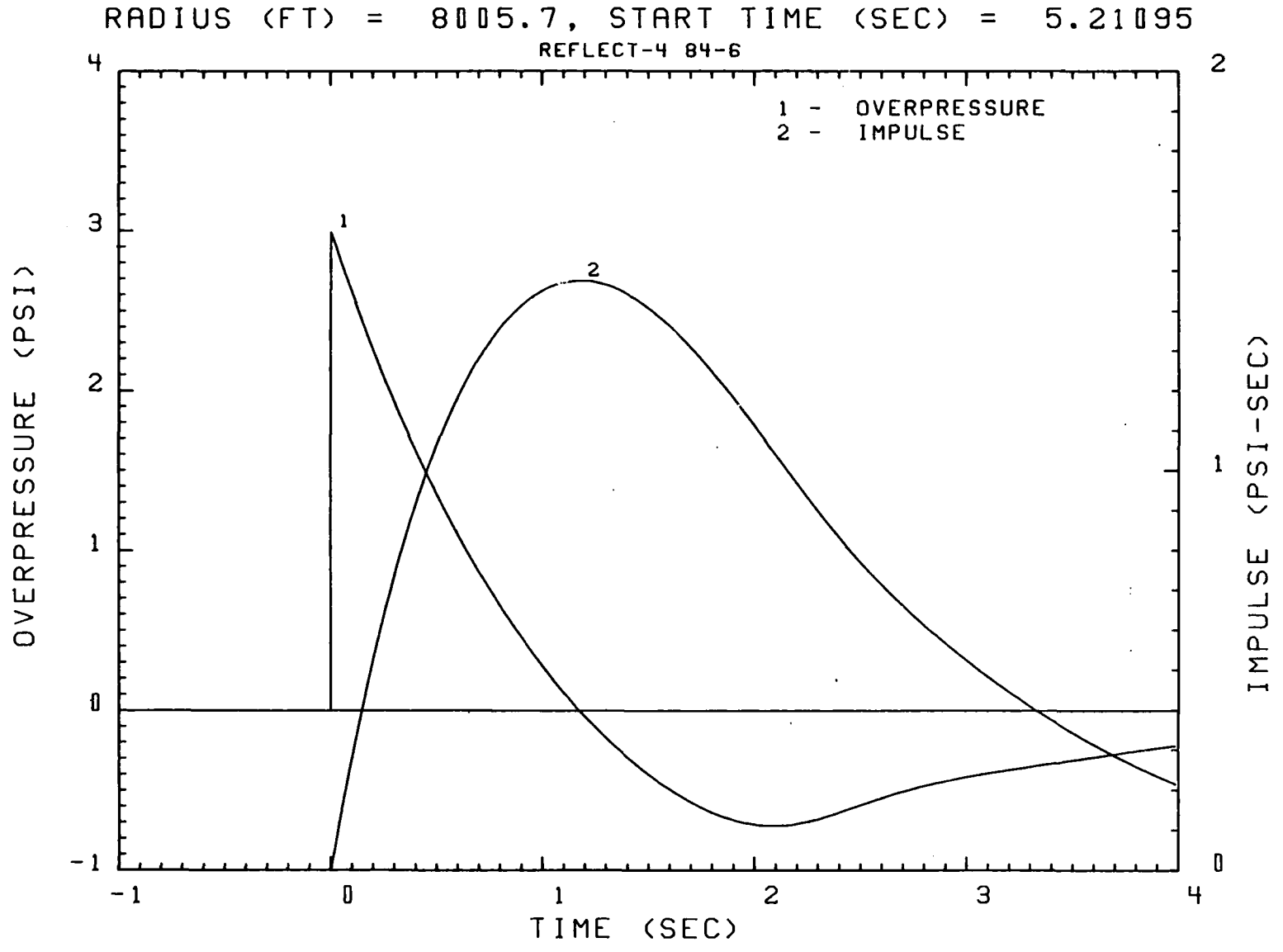

RADIUS (FT) = 5773.2, START TIME (SEC) = 3.40307
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
2
1
0
-1
0
1

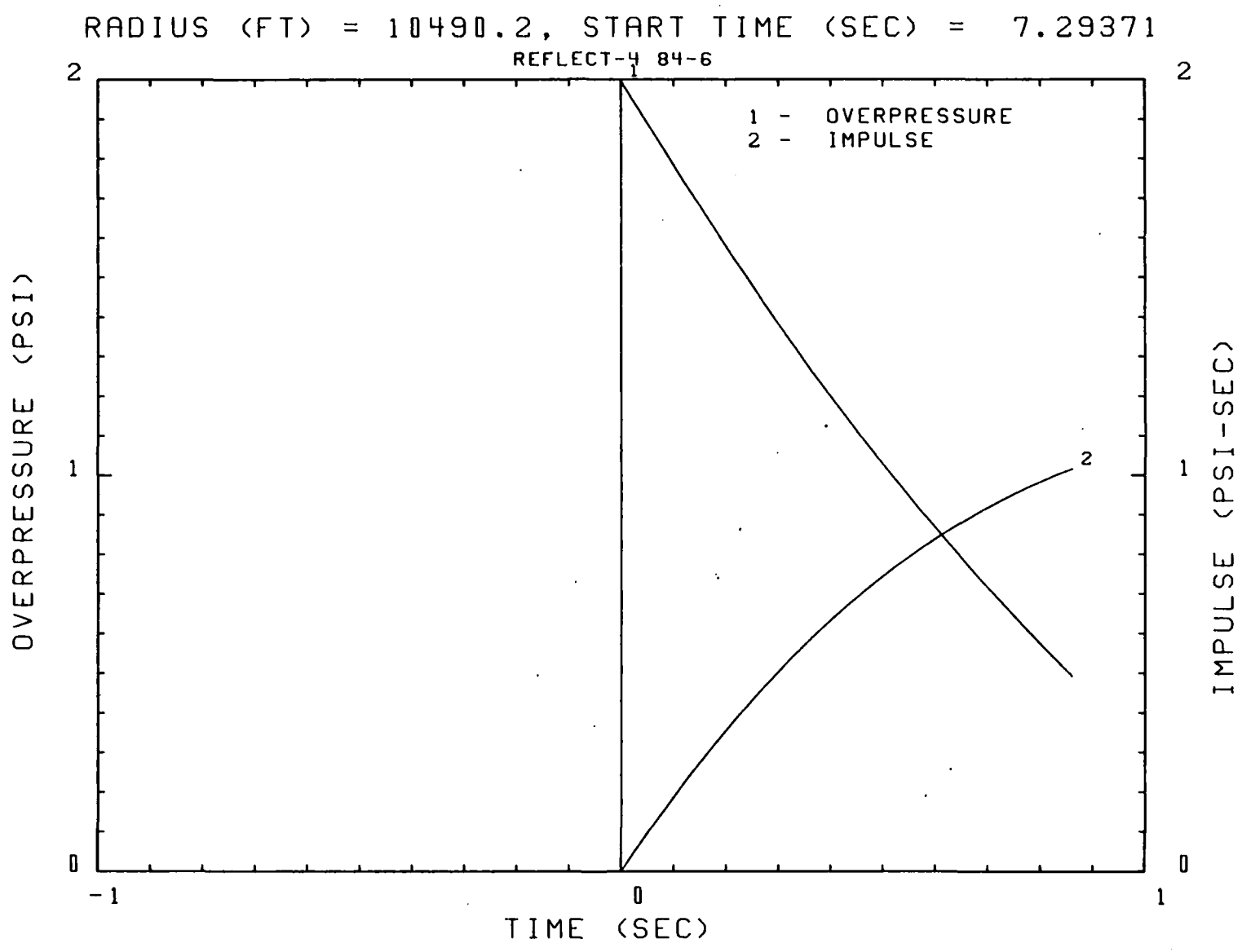

RADIUS (FT) = 5773.2, START TIME (SEC) = 3.40307
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
3
2
1
0
-1
0
1
2
3
4

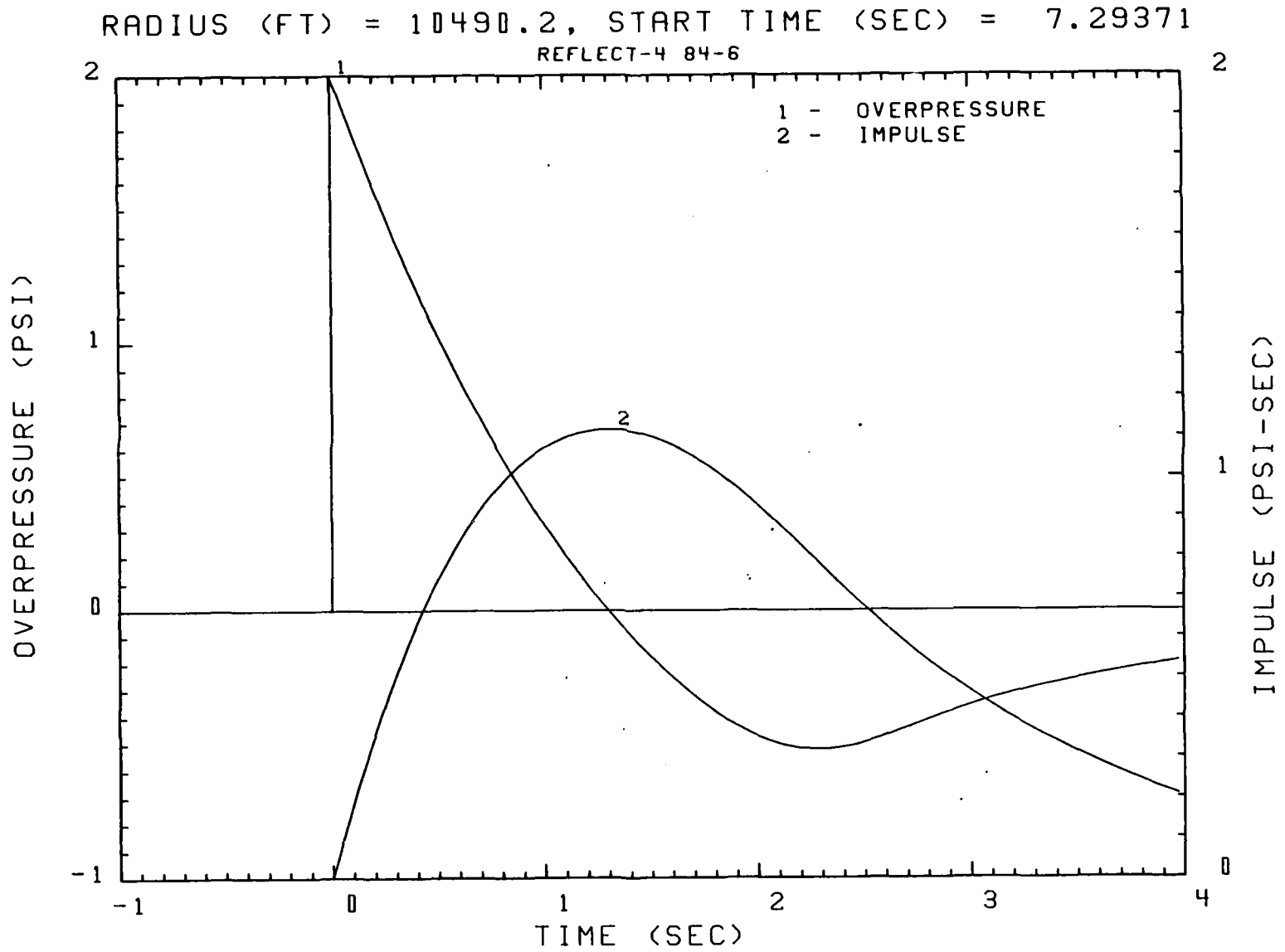

RADIUS (FT) = 6654.2, START TIME (SEC) = 4.10621
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
4
3
2
1
0
2
1
0
-1
0
1
2

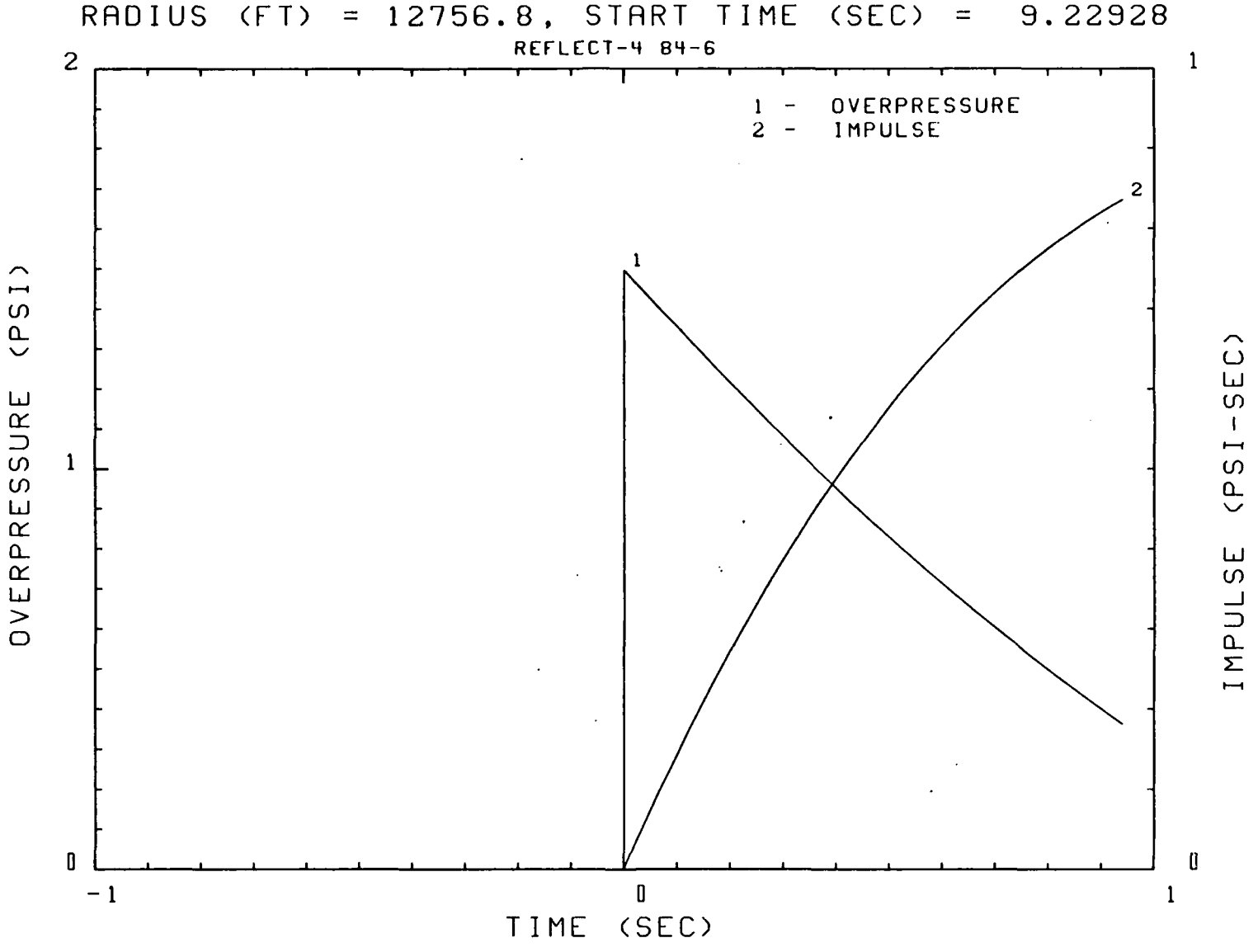

RADIUS (FT) = 6654.2, START TIME (SEC) = 4.10621
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
4
3
2
1
0
-1
-1
0
1
2
3
4
2
1
0

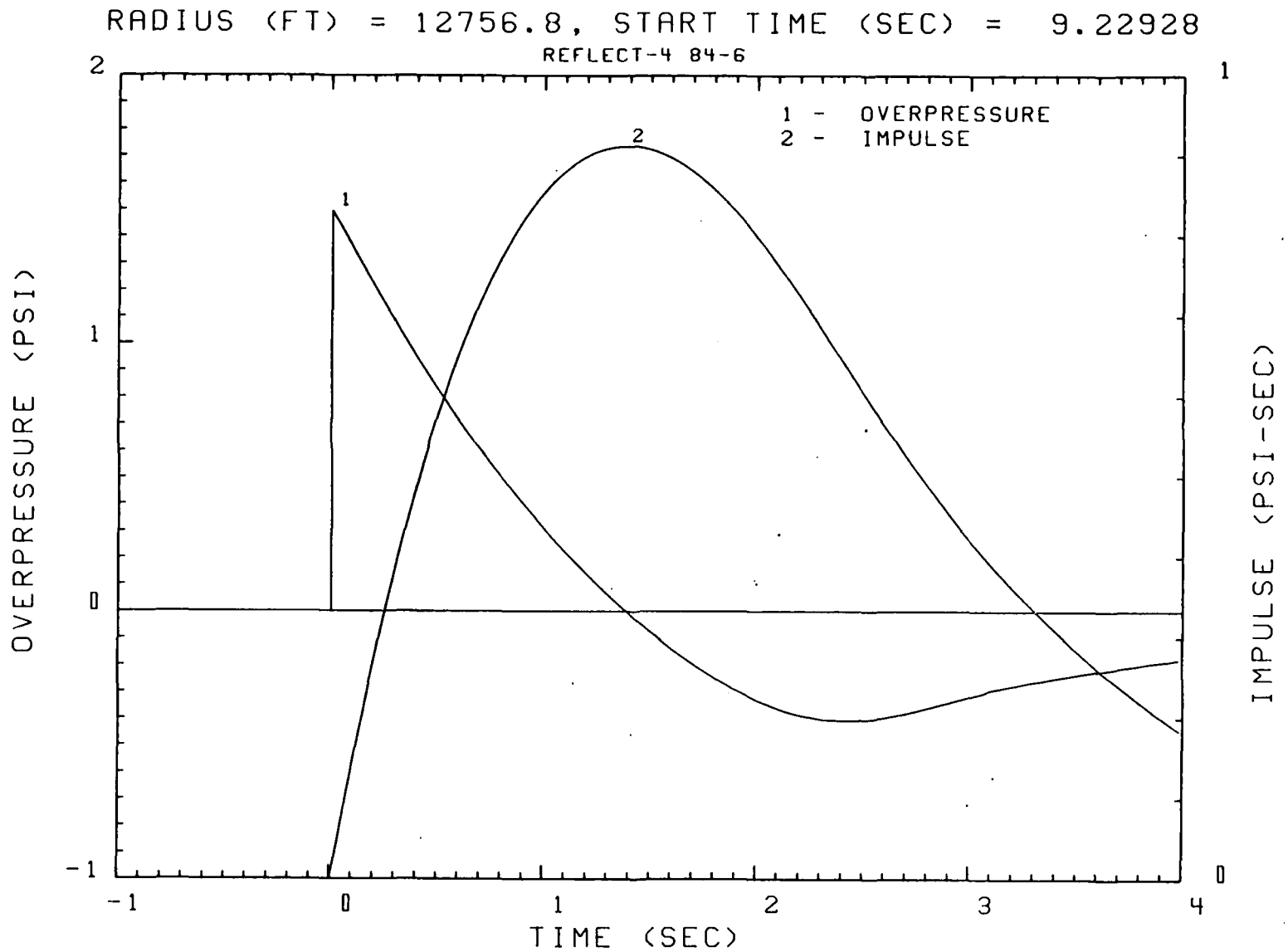

RADIUS (FT) = 8005.7, START TIME (SEC) = 5.21095
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
4
3
2
1
0
2
1
0
-1
0
1

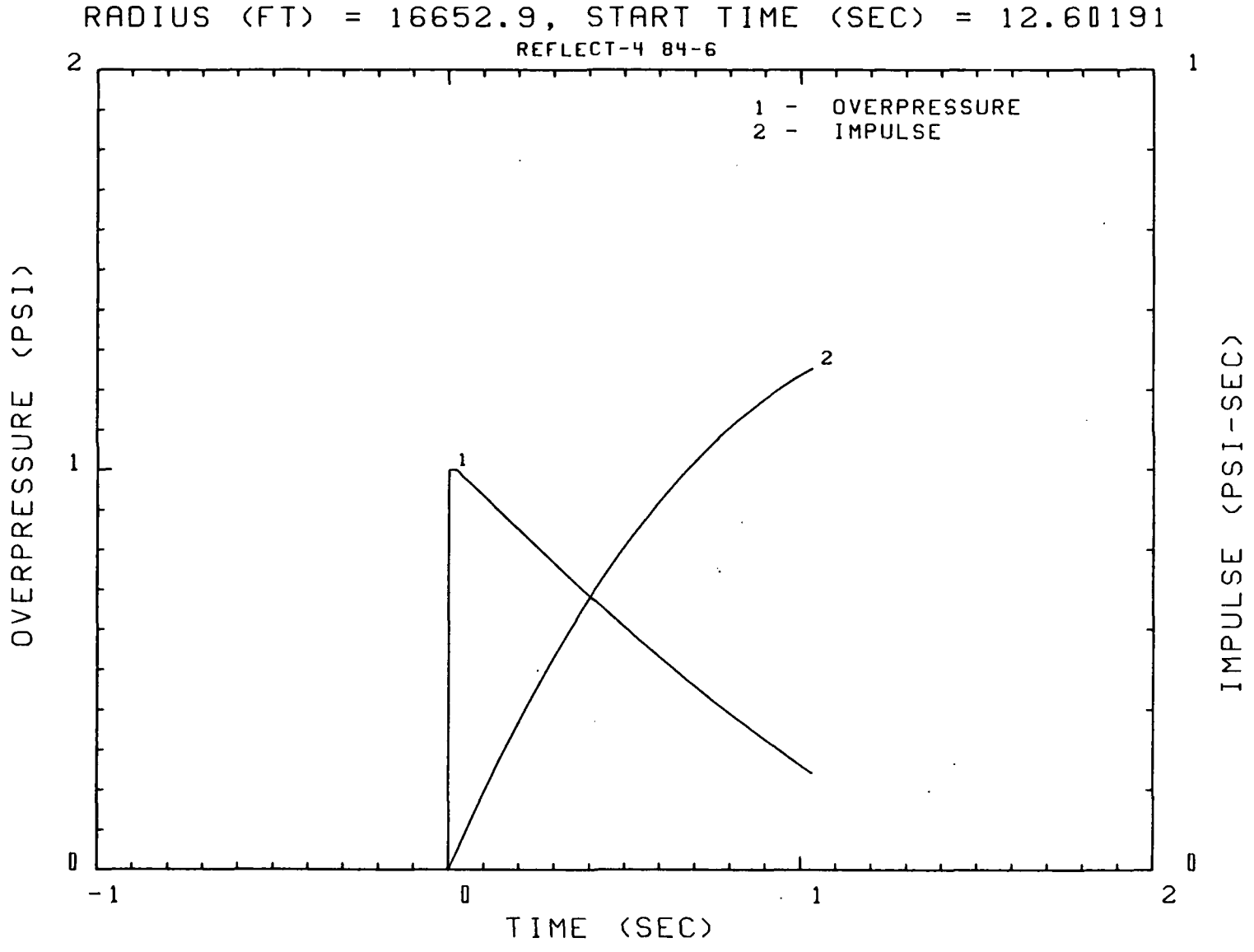

RADIUS (FT) = 8005.7, START TIME (SEC) = 5.21095
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
4
3
2
1
0
-1
-1
0
1
2
3
4
2
1
0


RADIUS (FT) = 10490.2, START TIME (SEC) = 7.29371
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0
1
2
1
0


RADIUS (FT) = 10490.2, START TIME (SEC) = 7.29371
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
-1
0
1
2
3
4


RADIUS (FT) = 12756.8, START TIME (SEC) = 9.22928
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0
1
1
2


RADIUS (FT) = 12756.8, START TIME (SEC) = 9.22928
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
-1
0
1
2
3
4
1
2


RADIUS (FT) = 16652.9, START TIME (SEC) = 12.60191
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0
1
2

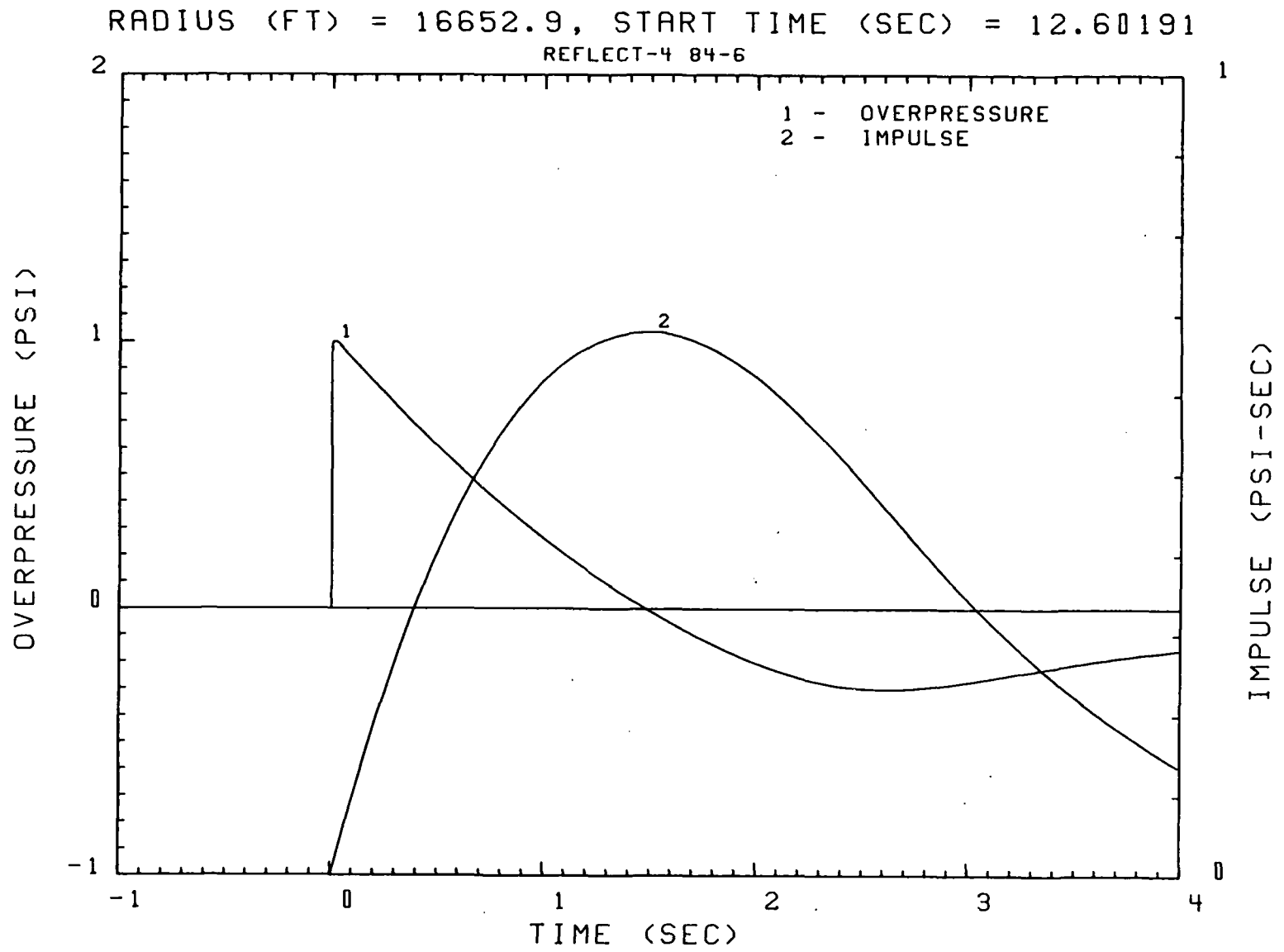
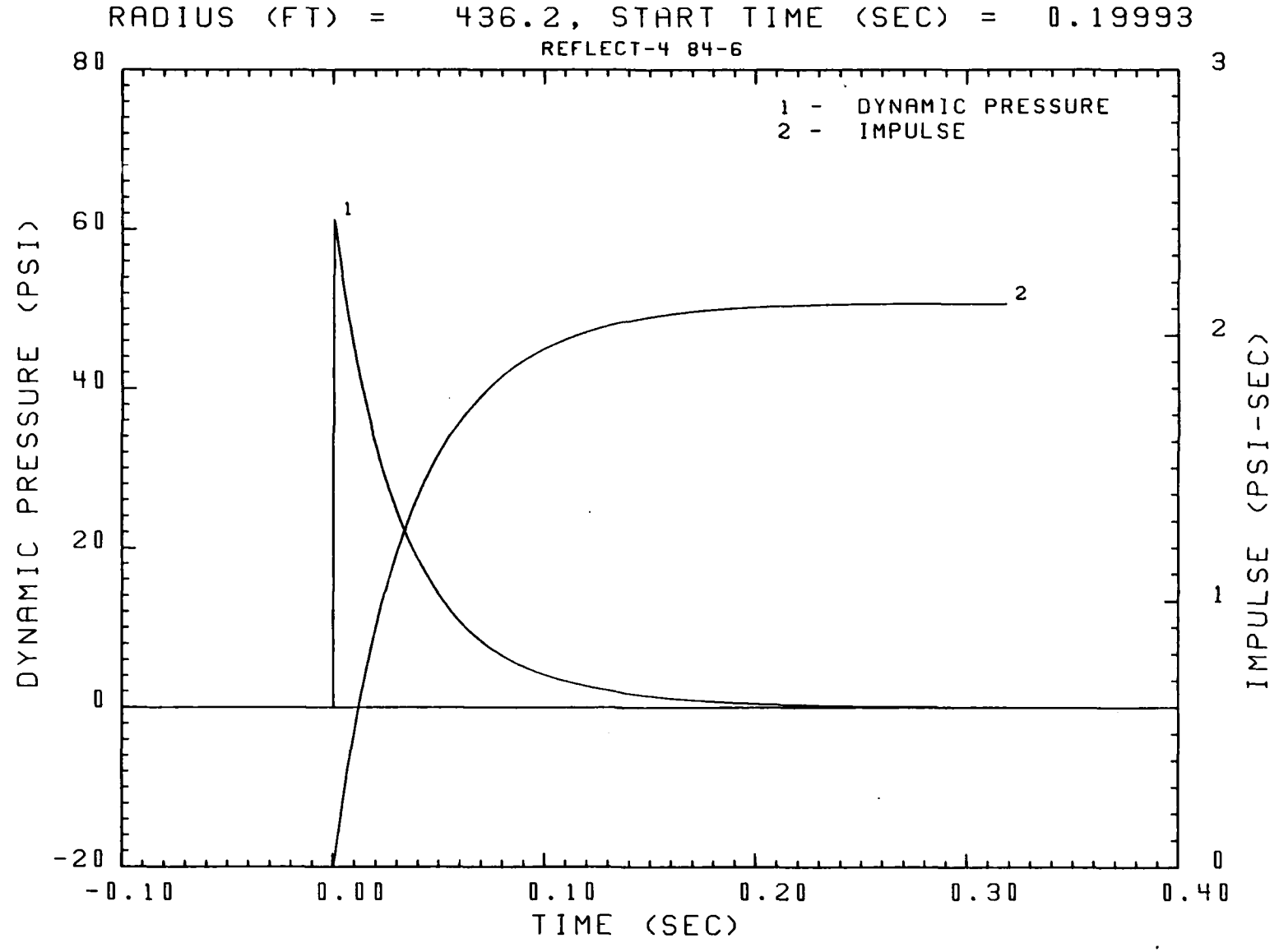
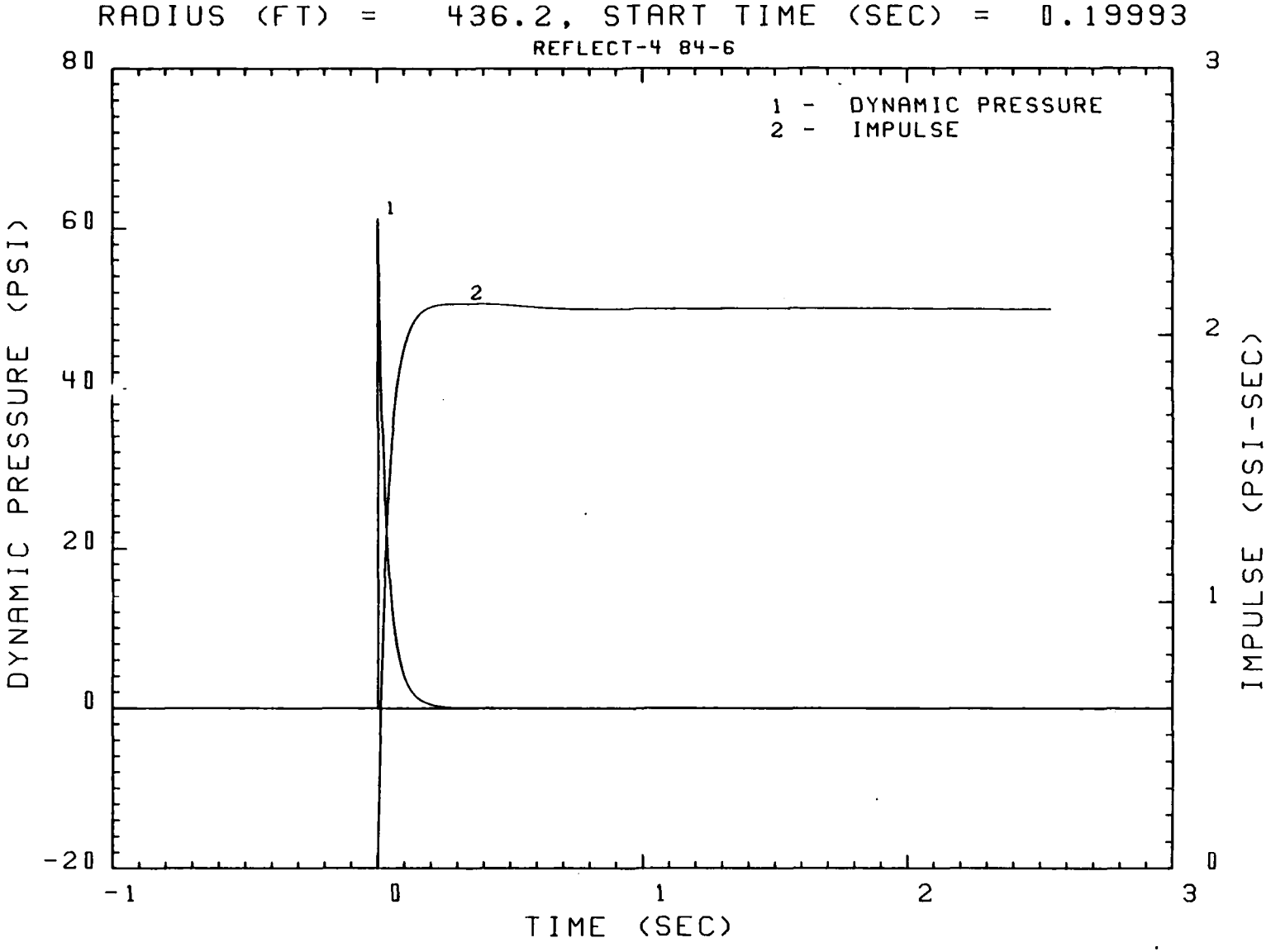

RADIUS (FT) = 16652.9, START TIME (SEC) = 12.60191
REFLECT-4 84-6
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
1
0
-1
0
1
2
3
4

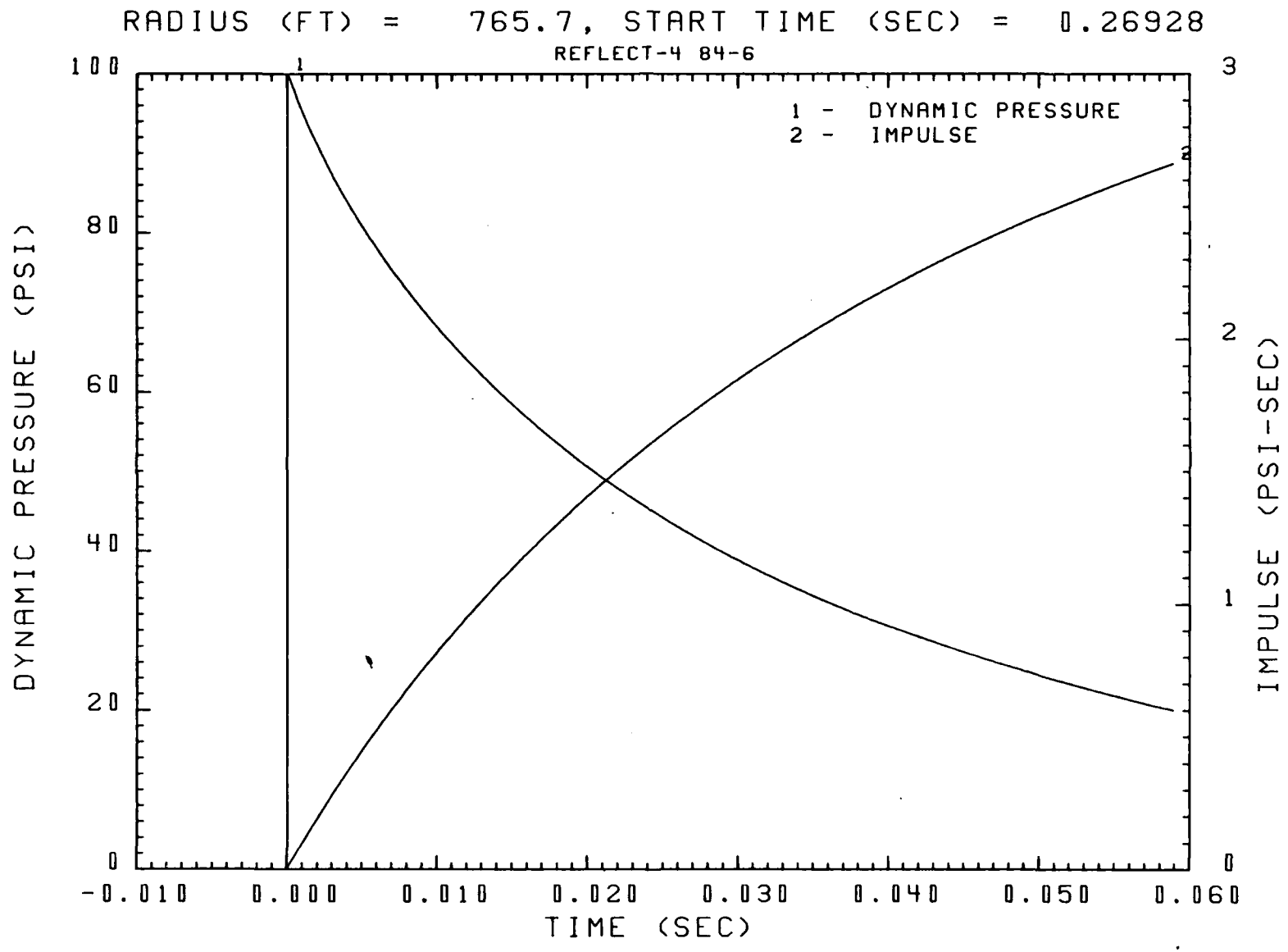
Table 12. Ground range and maximum dynamic pressure for dynamic pressure plots for 1026-ft HOB.

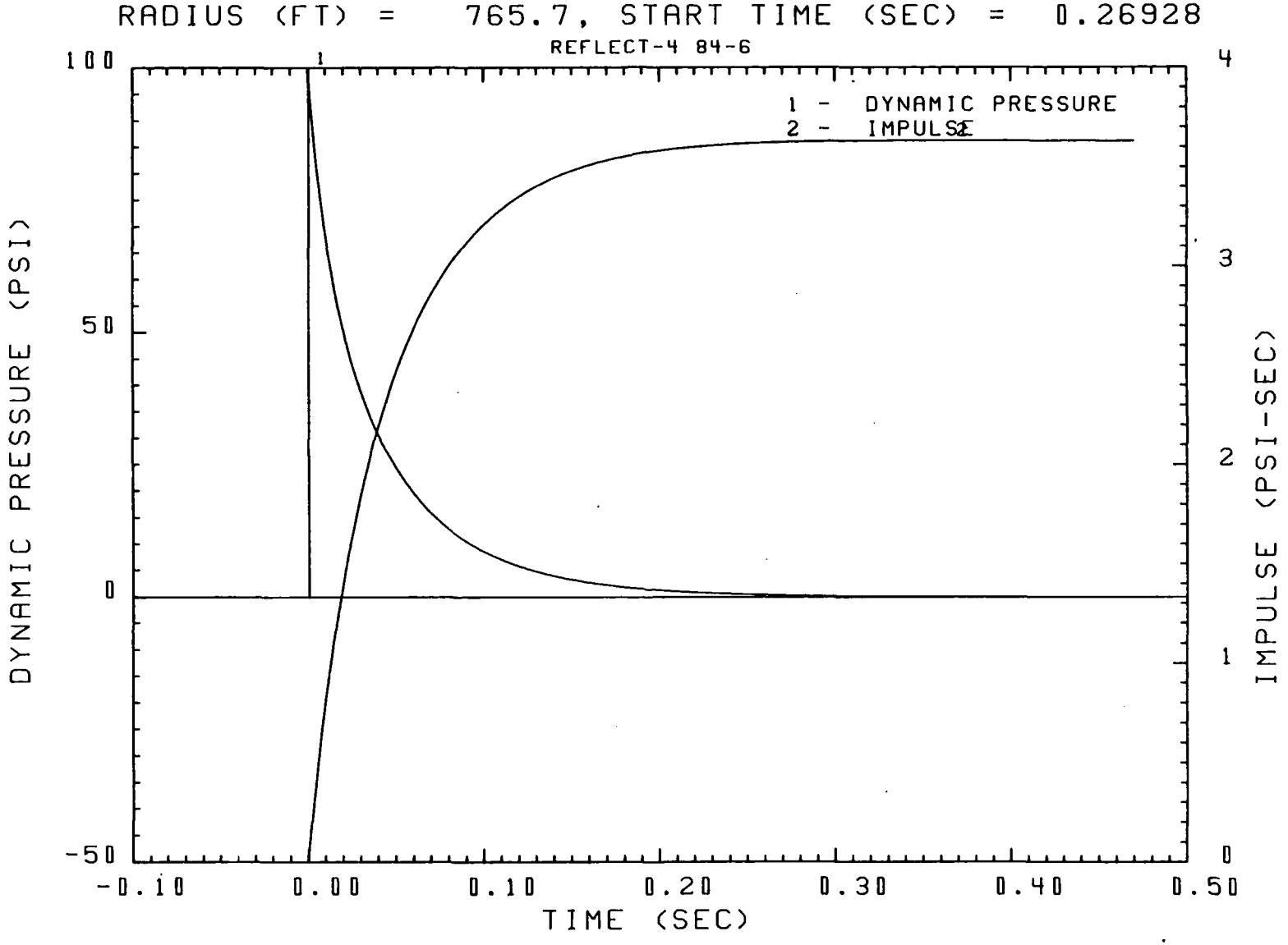
Range (ft)	Maximum Dynamic Overpressure (psi)
436.2	62.2
765.7	100.0
897.6	201.7
922.9	270.7
955.4	250.8
1001.2	200.0
1078.3	150.3
1174.0	100.2
1207.0	90.0
1258.1	80.1
1319.2	70.1
1398.3	60.0
1474.7	49.9
1593.7	39.9
1747.5	30.1
1989.1	19.9
2169.5	15.0
2447.6	10.0
2521.4	9.0
2605.6	8.0
2710.0	7.0
2836.9	6.0
3018.3	4.9
3199.7	4.0
3501.1	3.0
3941.8	2.0
4312.2	1.5
4878.2	1.0
5332.0	0.75
6056.0	0.5
7604.0	0.25
10334.6	0.10
12756.8	0.054
16652.9	0.024

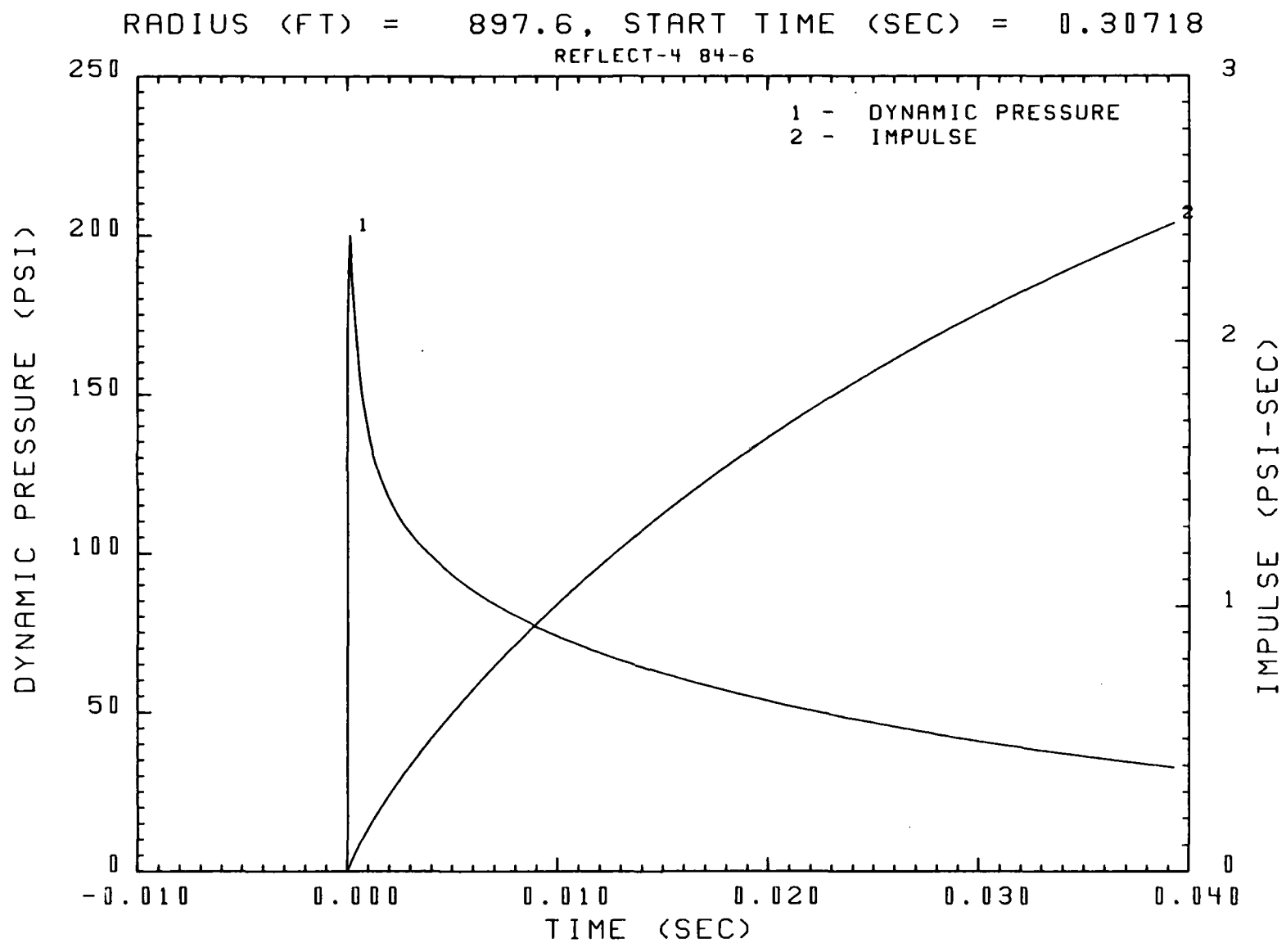
Figure 2. Dynamic pressure and impulse time histories for 1026-ft HOB.

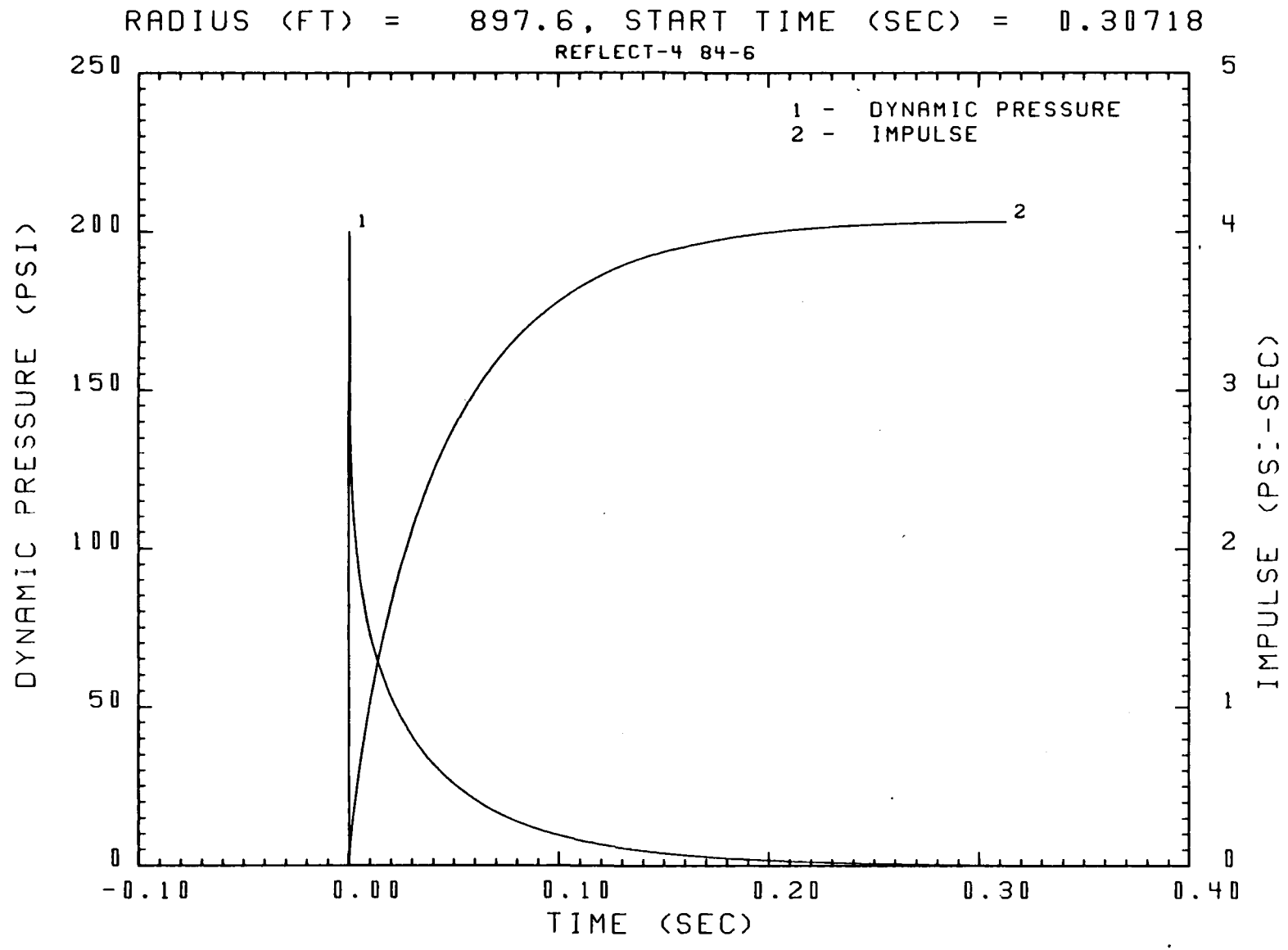

RADIUS (FT) = 436.2, START TIME (SEC) = 0.19993
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
-20
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40

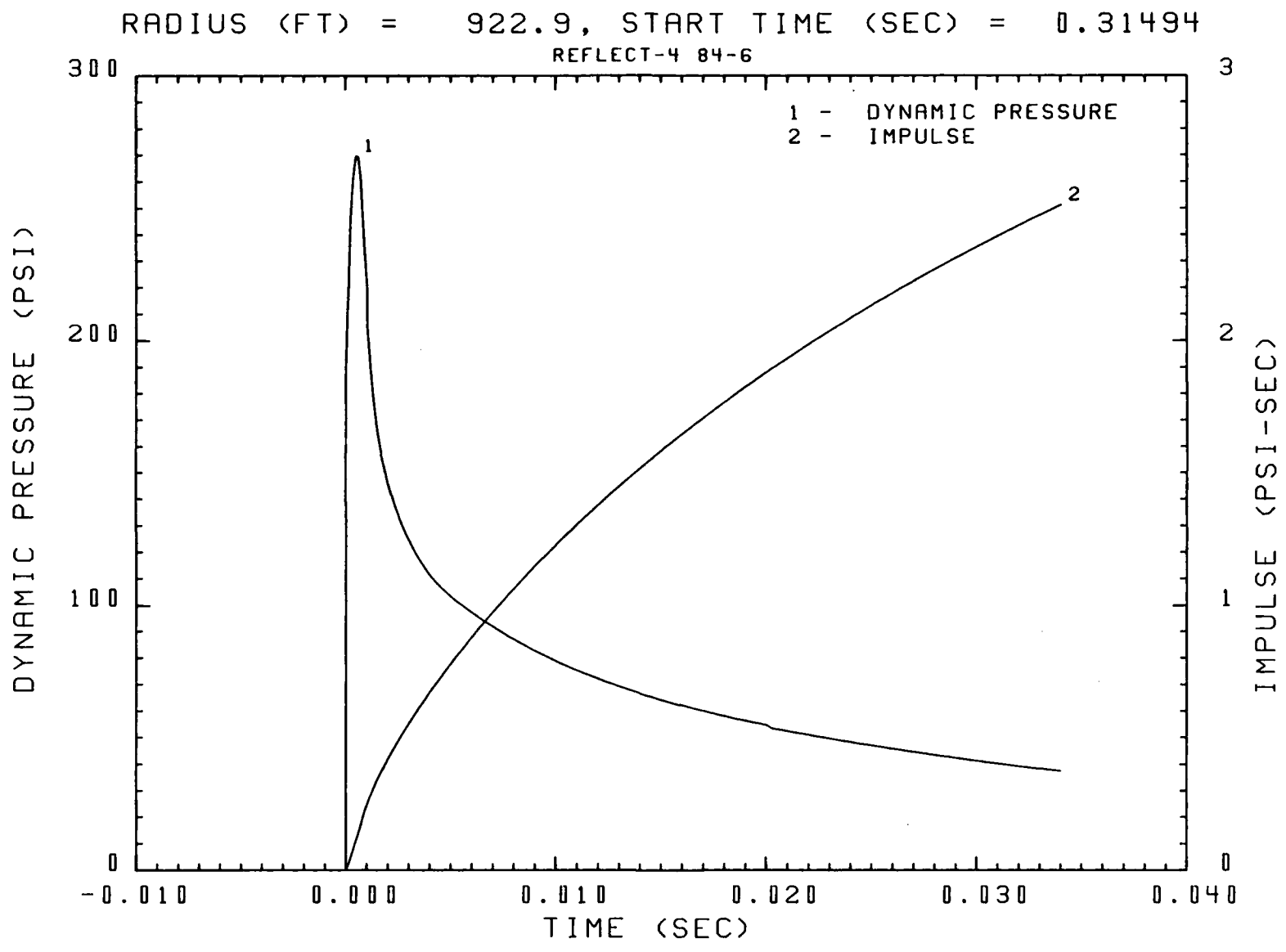

RADIUS (FT) = 436.2, START TIME (SEC) = 0.19993
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
-20
3
2
1
0
-1
0
1
2
3

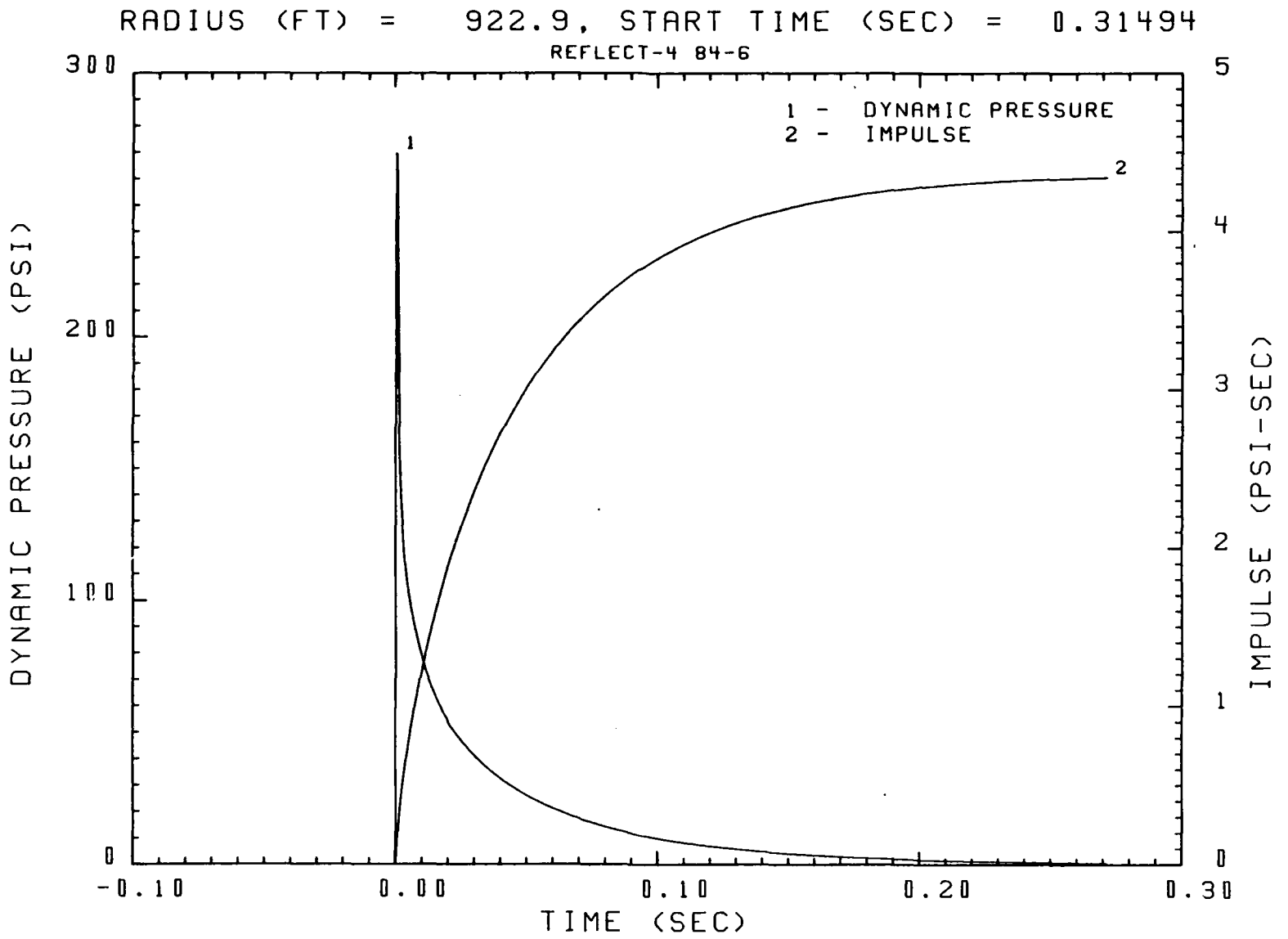

RADIUS (FT) = 765.7, START TIME (SEC) = 0.26928
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
80
60
40
20
0
3
2
1
0
-0.010
0.000
0.010
0.020
0.030
0.040
0.050
0.060

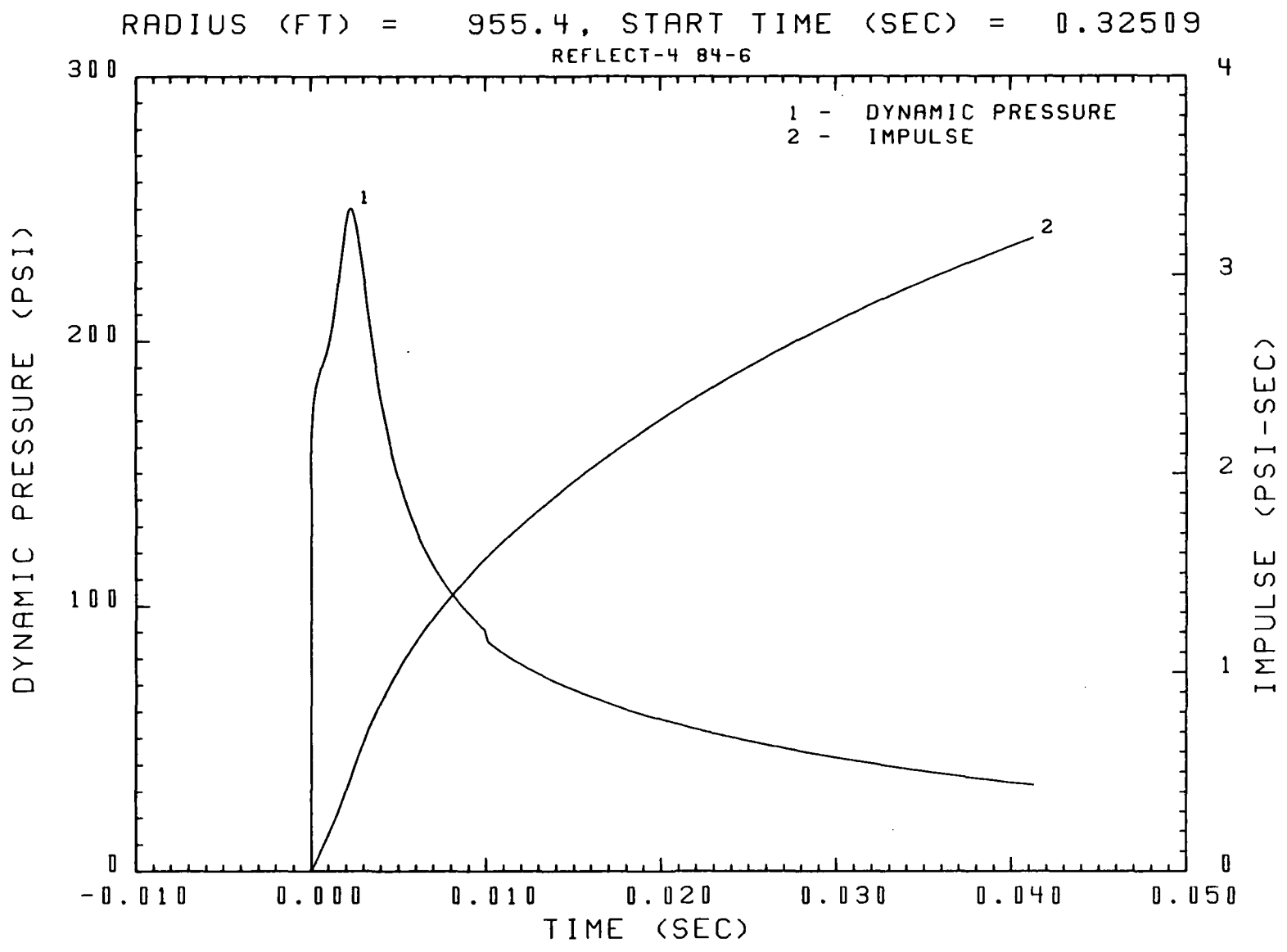

RADIUS (FT) = 765.7, START TIME (SEC) = 0.26928
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
50
0
-50
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

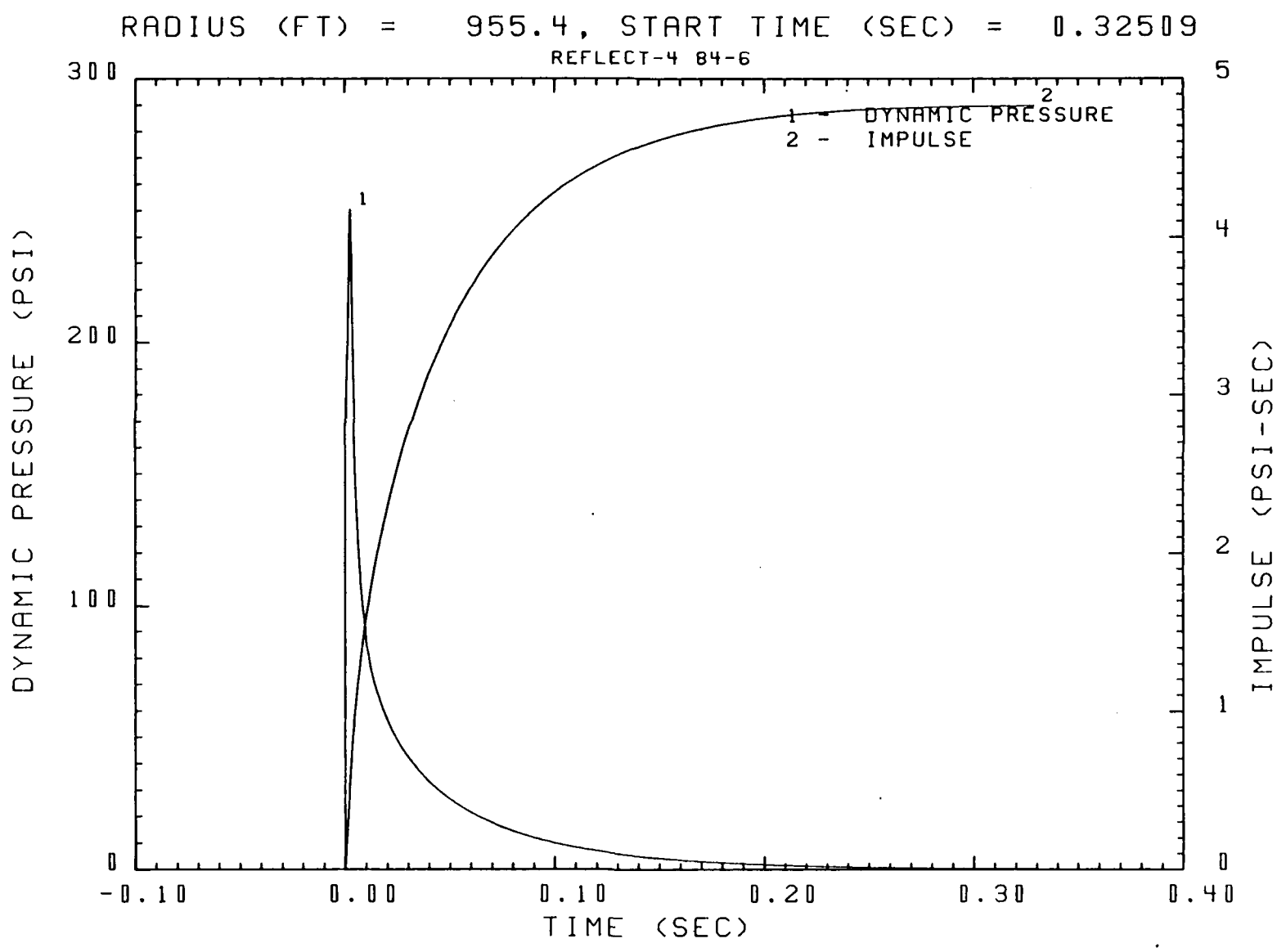

RADIUS (FT) = 897.6, START TIME (SEC) = 0.30718
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
250
200
150
100
50
0
3
2
1
0
-0.010
0.000
0.010
0.020
0.030
0.040

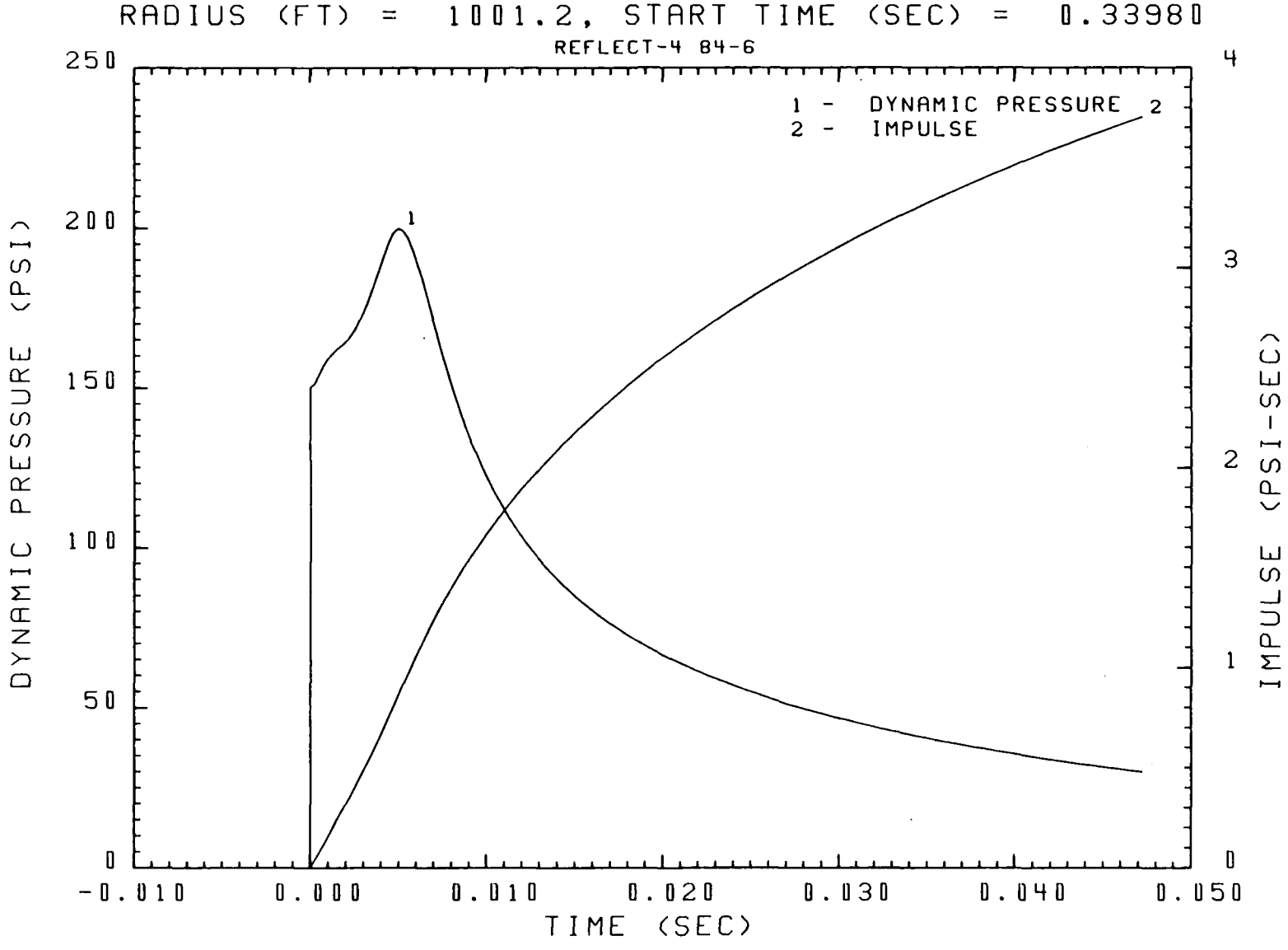

RADIUS (FT) = 897.6, START TIME (SEC) = 0.30718
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PS:-SEC)
TIME (SEC)
250
200
150
100
50
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
1
2

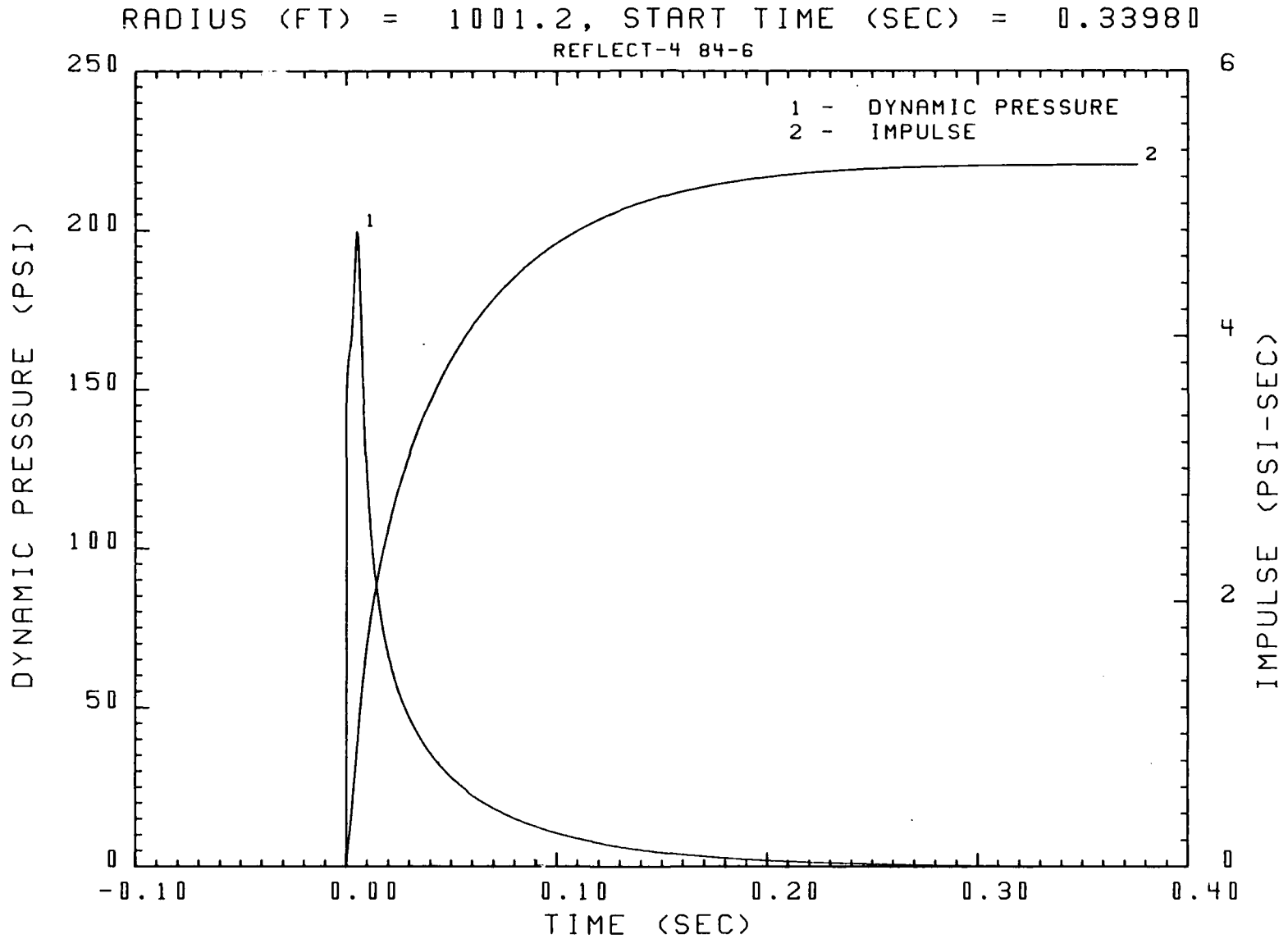

RADIUS (FT) = 922.9, START TIME (SEC) = 0.31494
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
300
200
100
0
3
2
1
0
-0.010
0.000
0.010
0.020
0.030
0.040

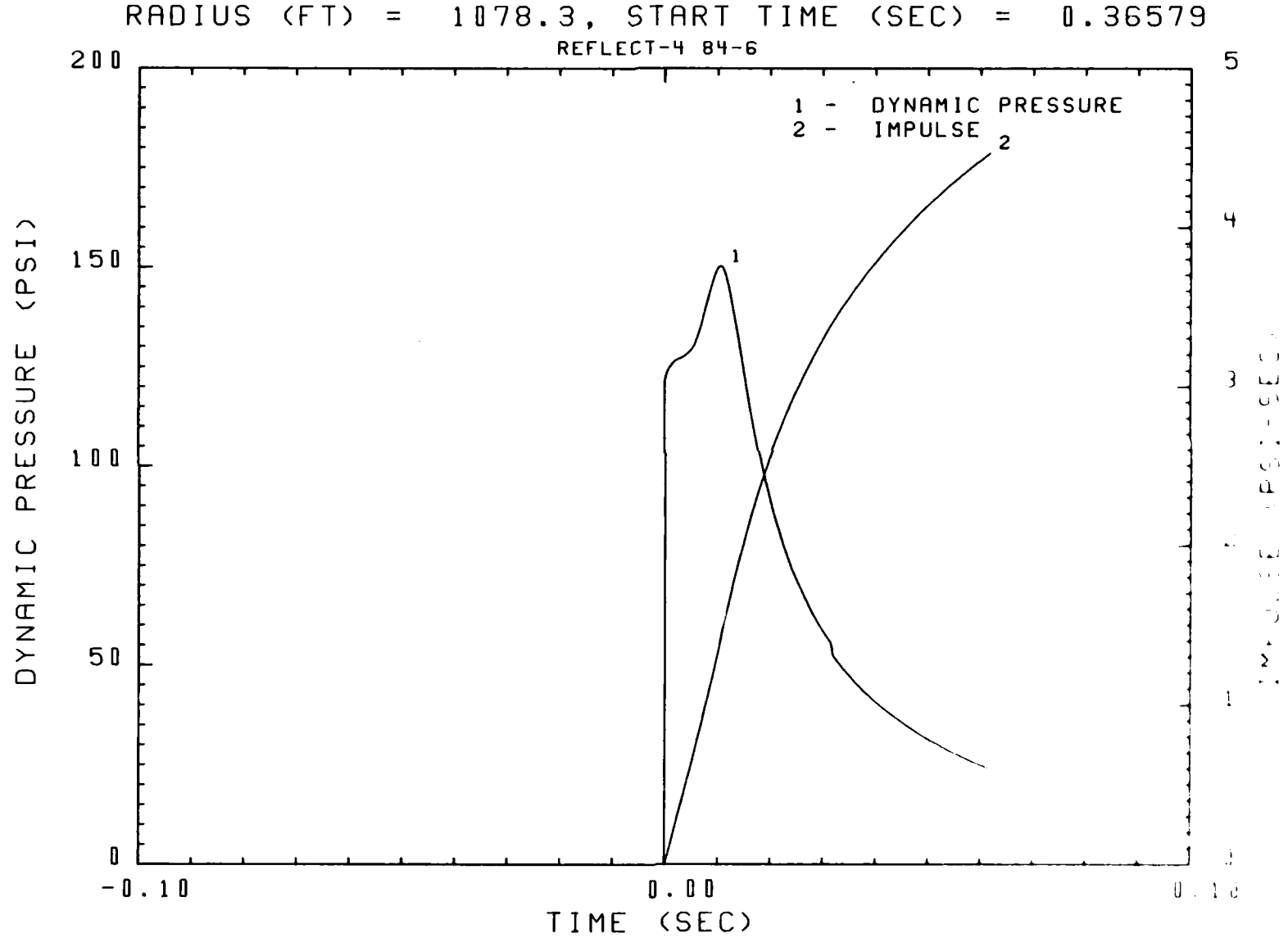

RADIUS (FT) = 922.9, START TIME (SEC) = 0.31494
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
300
200
100
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

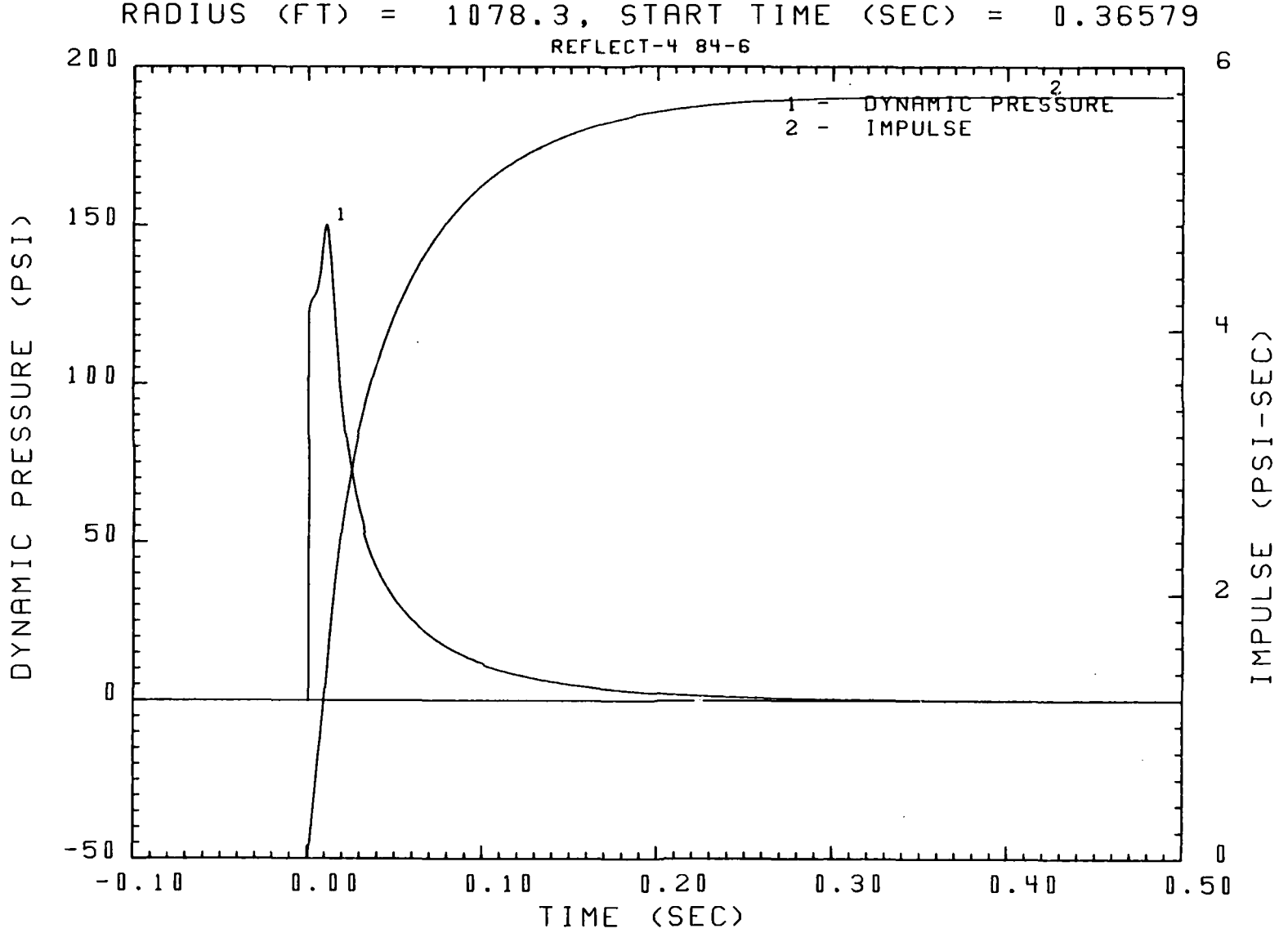

RADIUS (FT) = 955.4, START TIME (SEC) = 0.32509
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
300
200
100
0
4
3
2
1
0
-0.010
0.000
0.010
0.020
0.030
0.040
0.050

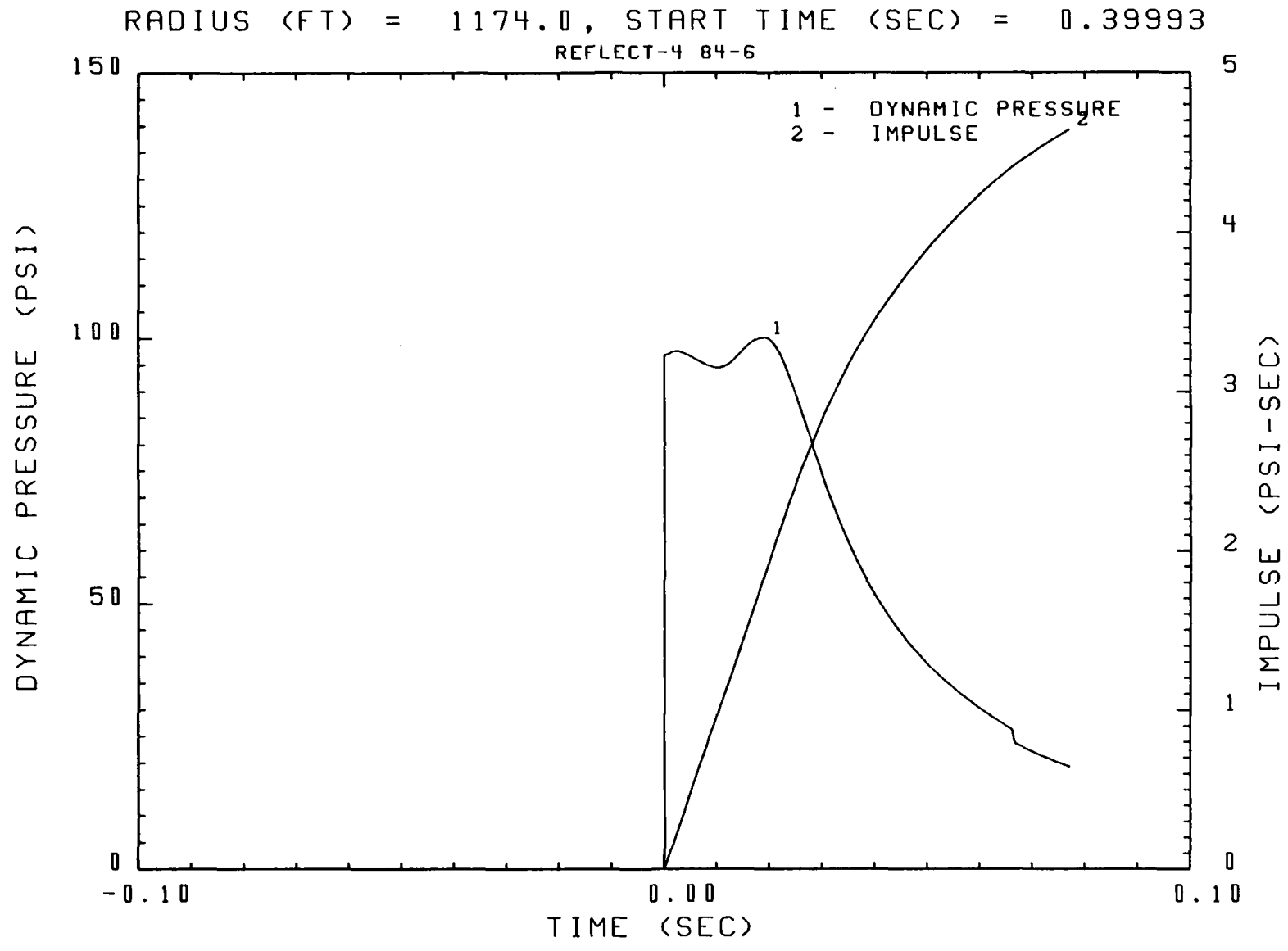

RADIUS (FT) = 955.4, START TIME (SEC) = 0.32509
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
300
200
100
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40

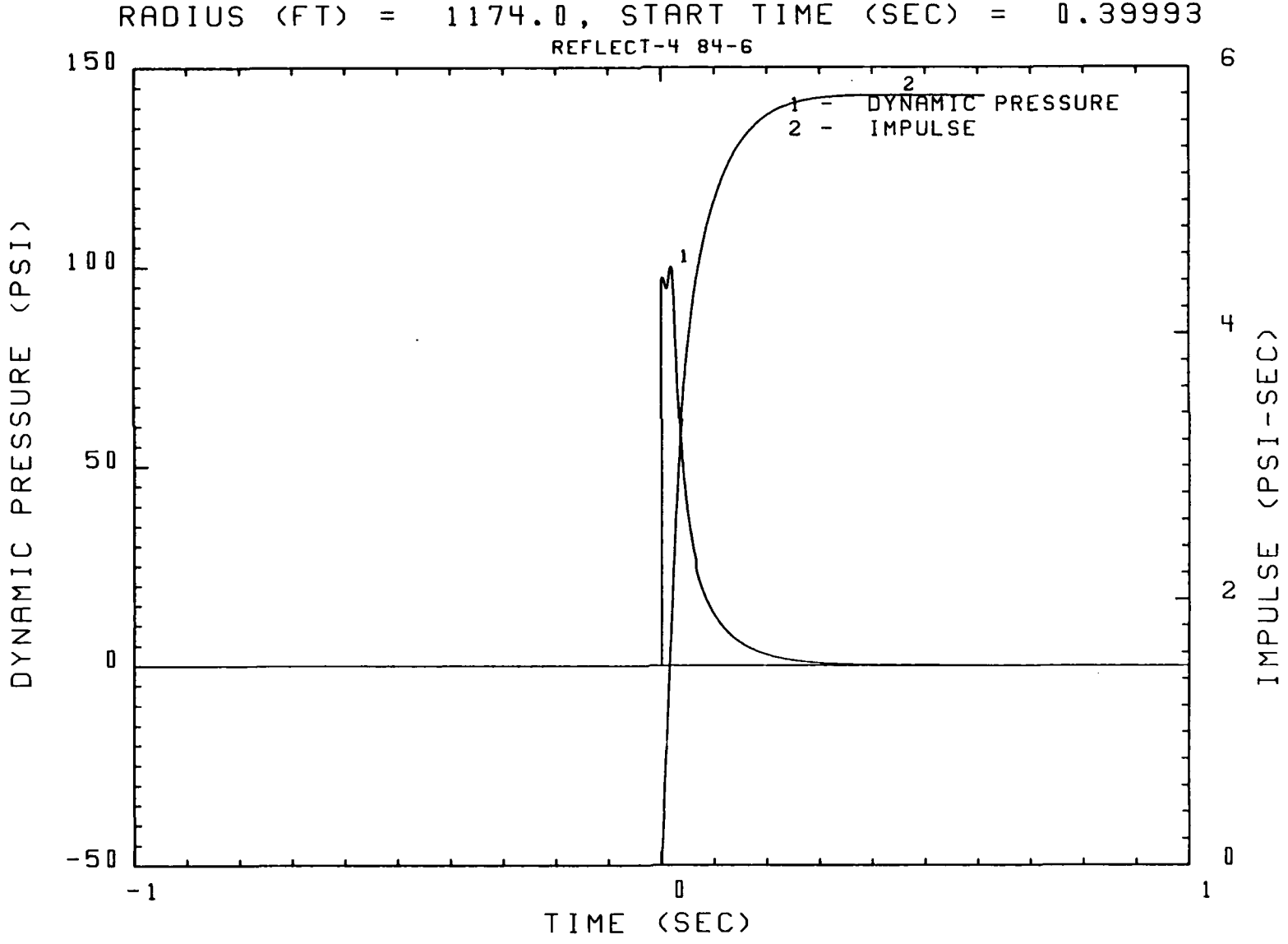

RADIUS (FT) = 1001.2, START TIME (SEC) = 0.33980
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
250
200
150
100
50
0
4
3
2
1
0
-0.010
0.000
0.010
0.020
0.030
0.040
0.050

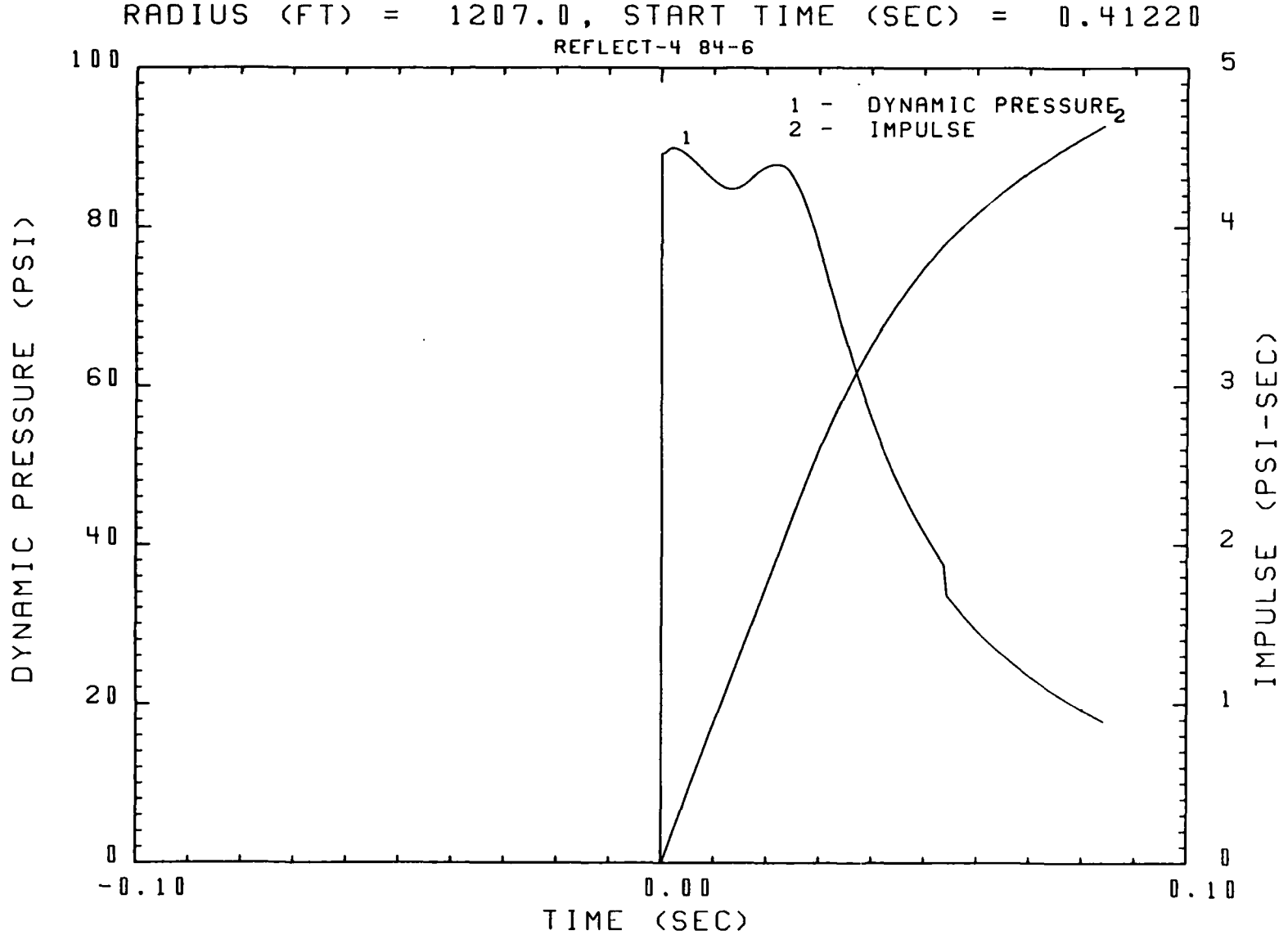

RADIUS (FT) = 1001.2, START TIME (SEC) = 0.33980
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
250
200
150
100
50
0
6
4
2
0
-0.10
0.00
0.10
0.20
0.30
0.40
1
2

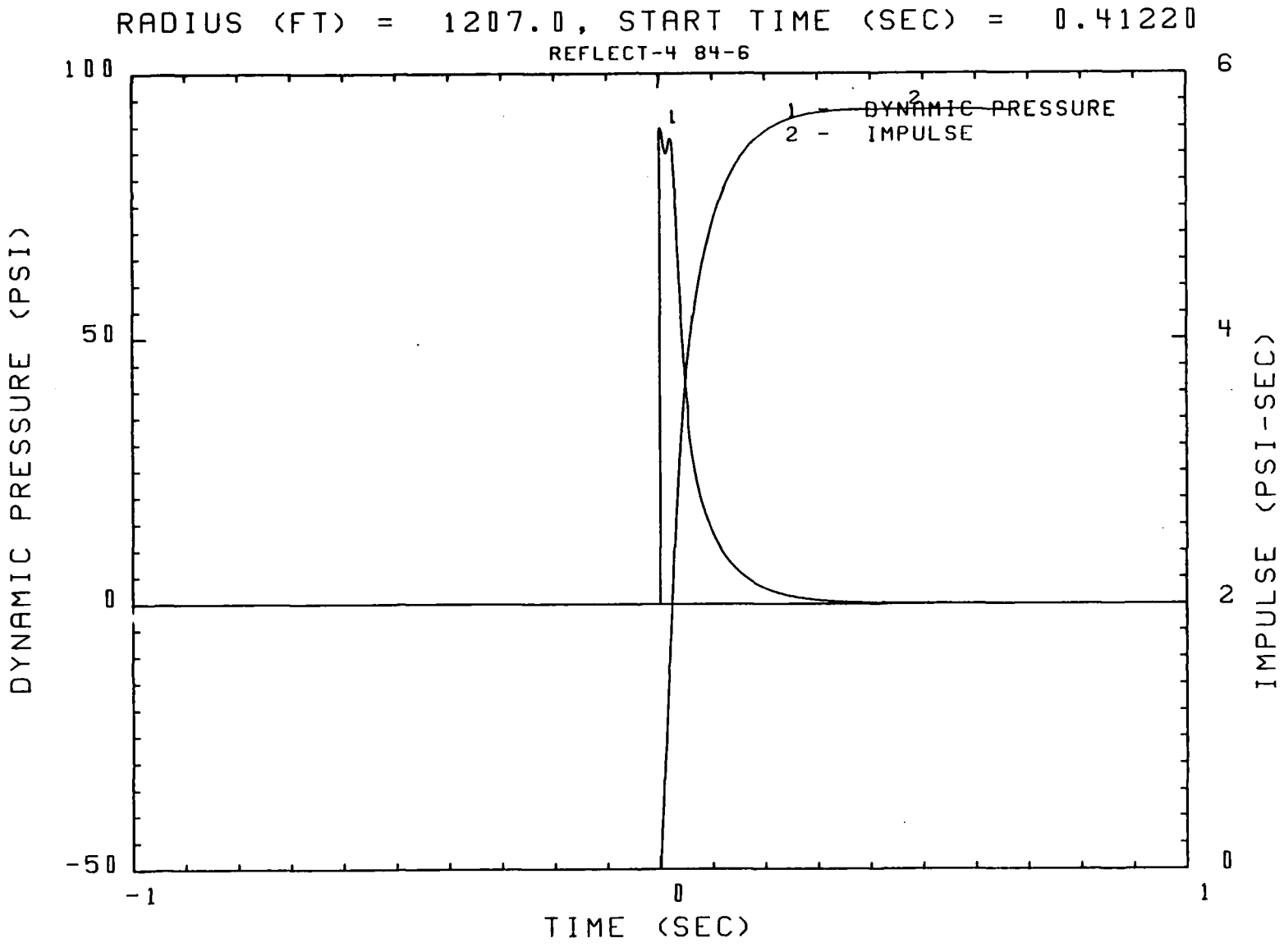

RADIUS (FT) = 1078.3, START TIME (SEC) = 0.36579
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
200
150
100
50
0
5
4
3
1
-0.10
0.00
TIME (SEC)

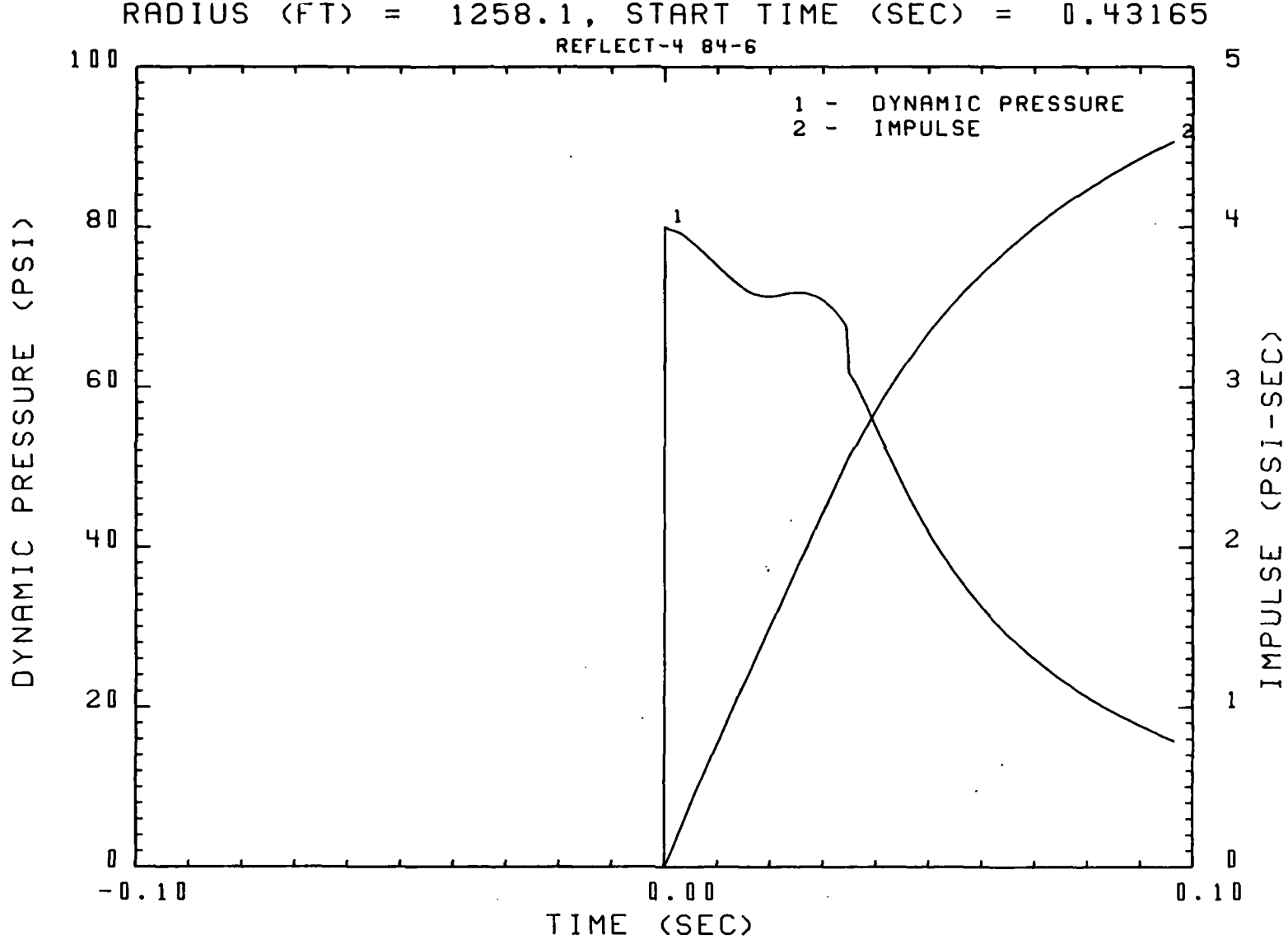

RADIUS (FT) = 1078.3, START TIME (SEC) = 0.36579
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
200
150
100
50
0
-50
6
4
2
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

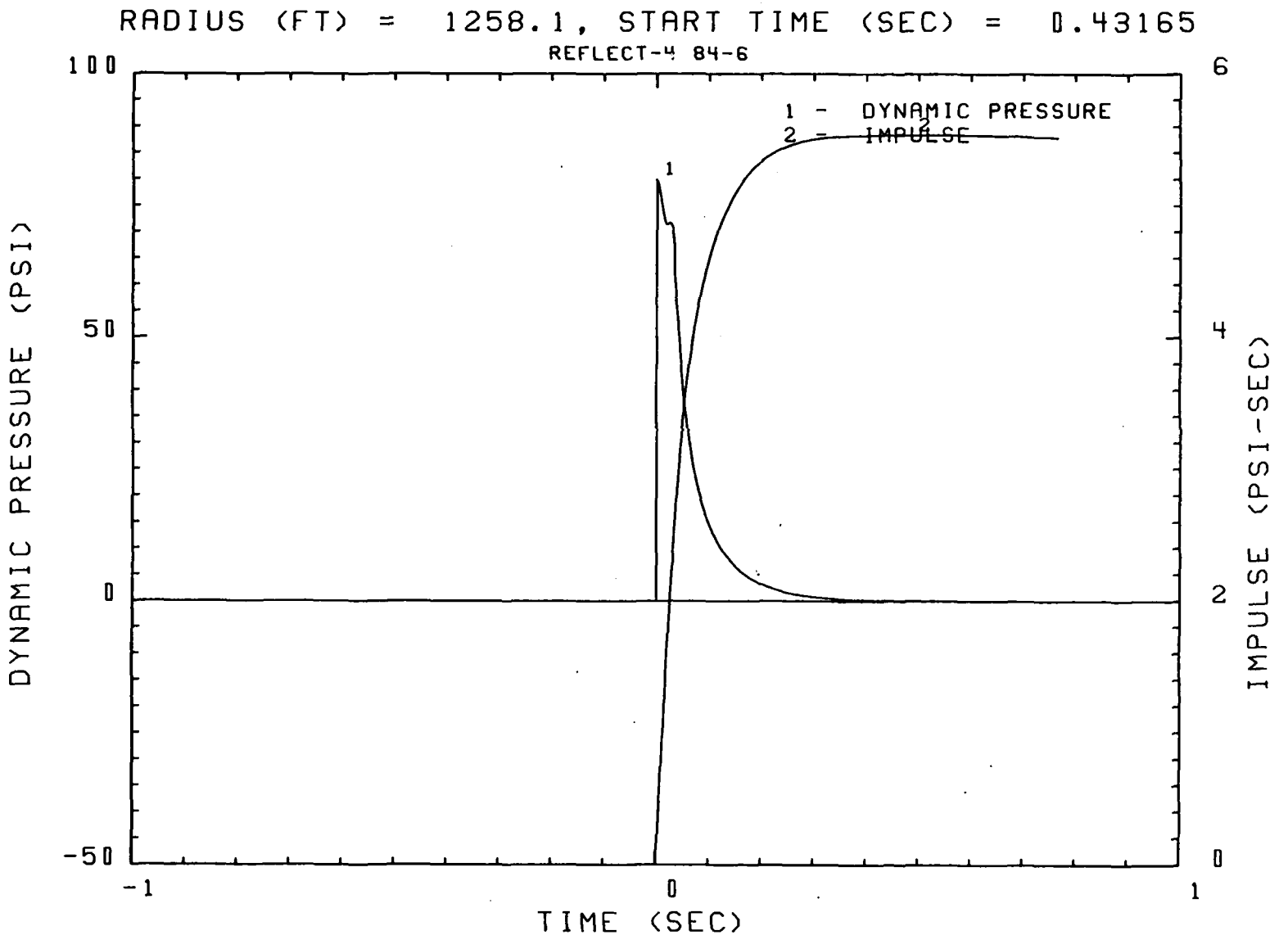

RADIUS (FT) = 1174.0, START TIME (SEC) = 0.39993
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
150
100
50
0
5
4
3
2
1
0
-0.10
0.00
0.10

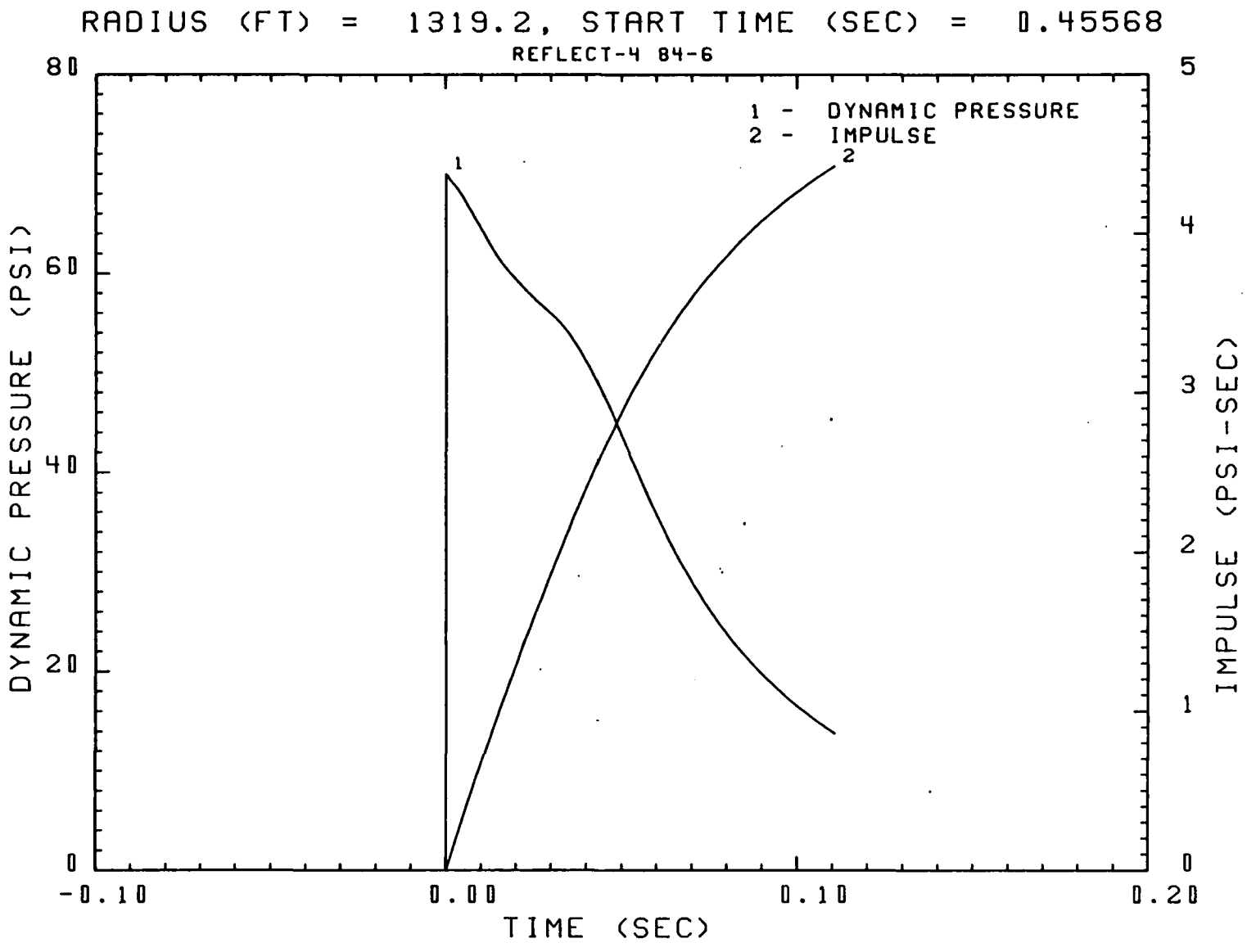

RADIUS (FT) = 1174.0, START TIME (SEC) = 0.39993
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
150
100
50
0
-50
6
4
2
0
-1
0
1

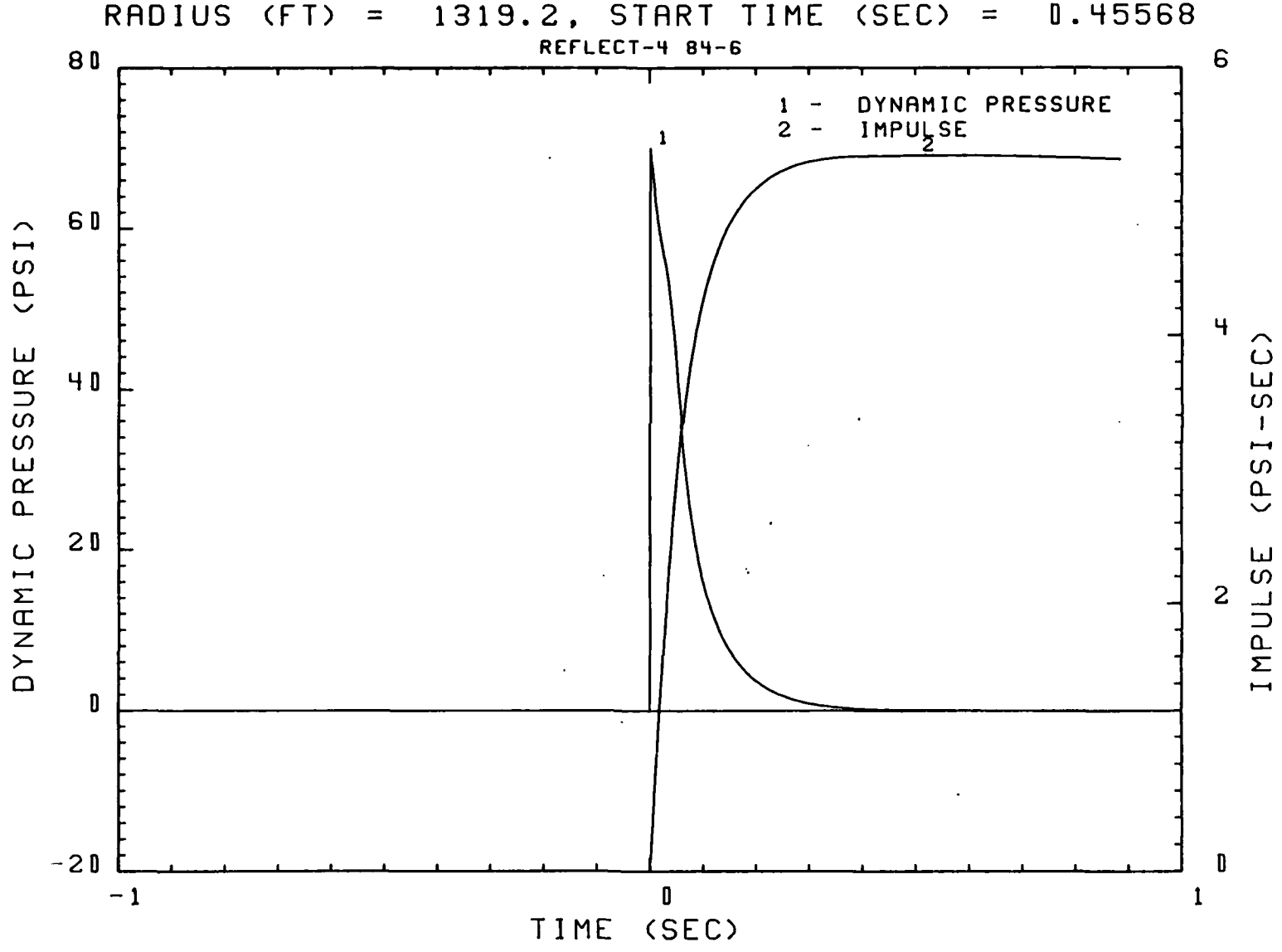

RADIUS (FT) = 1207.0, START TIME (SEC) = 0.41220
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
80
60
40
20
0
5
4
3
2
1
0
-0.10
0.00
0.10

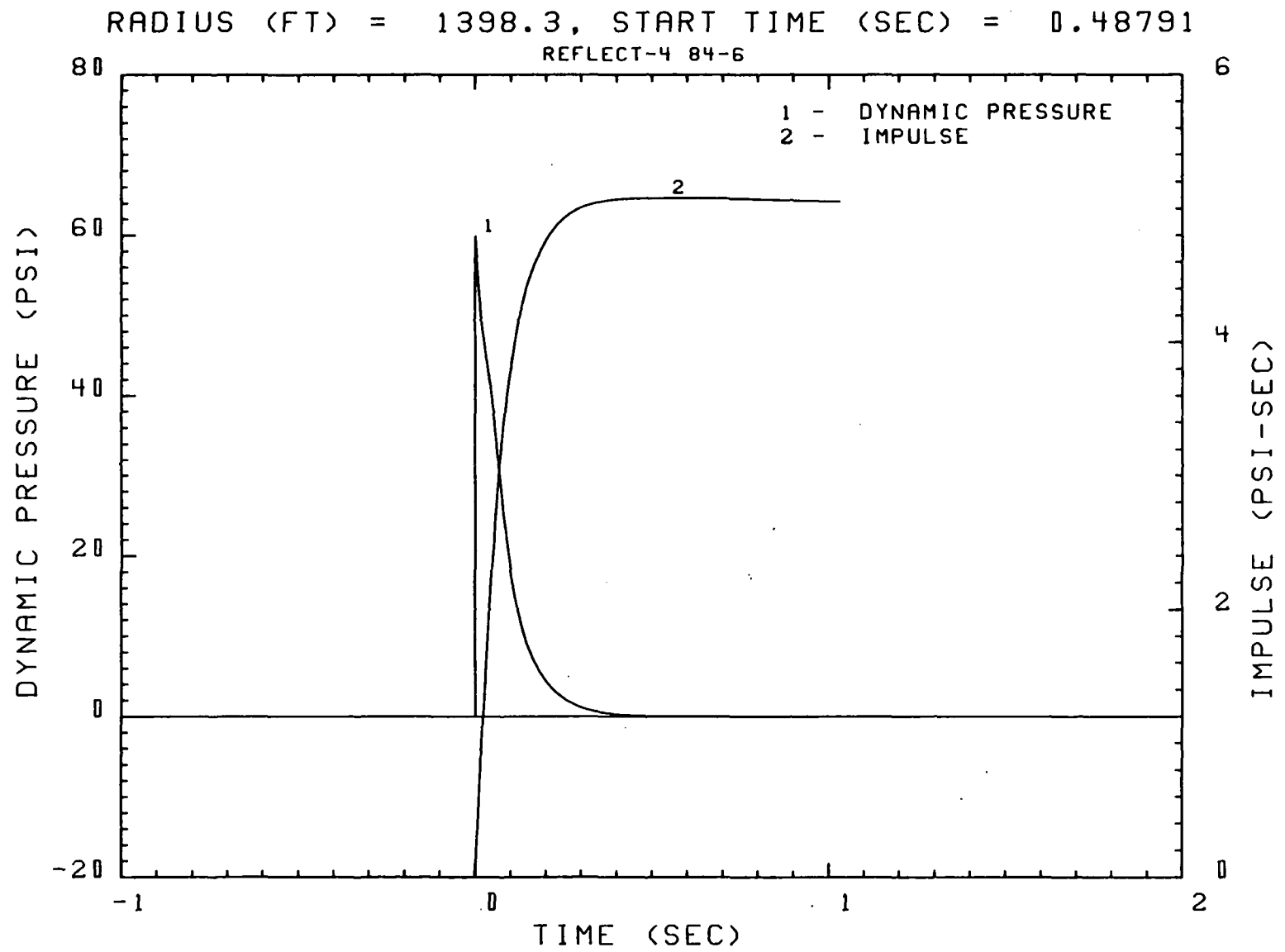

RADIUS (FT) = 1207.0, START TIME (SEC) = 0.41220
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
50
0
-50
-1
0
1
6
4
2
0

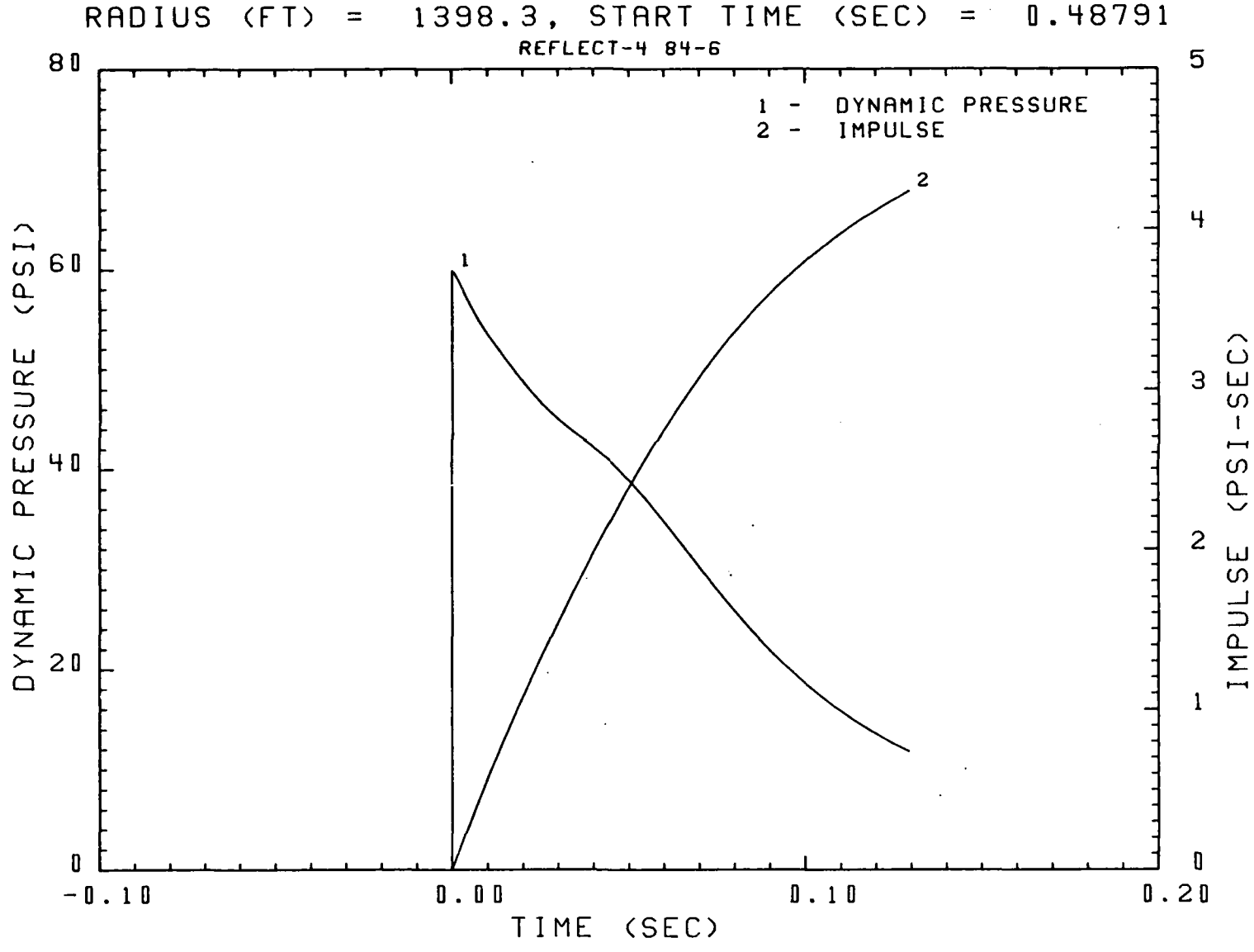

RADIUS (FT) = 1258.1, START TIME (SEC) = 0.43165
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
80
60
40
20
0
5
4
3
2
1
0
-0.10
0.00
0.10

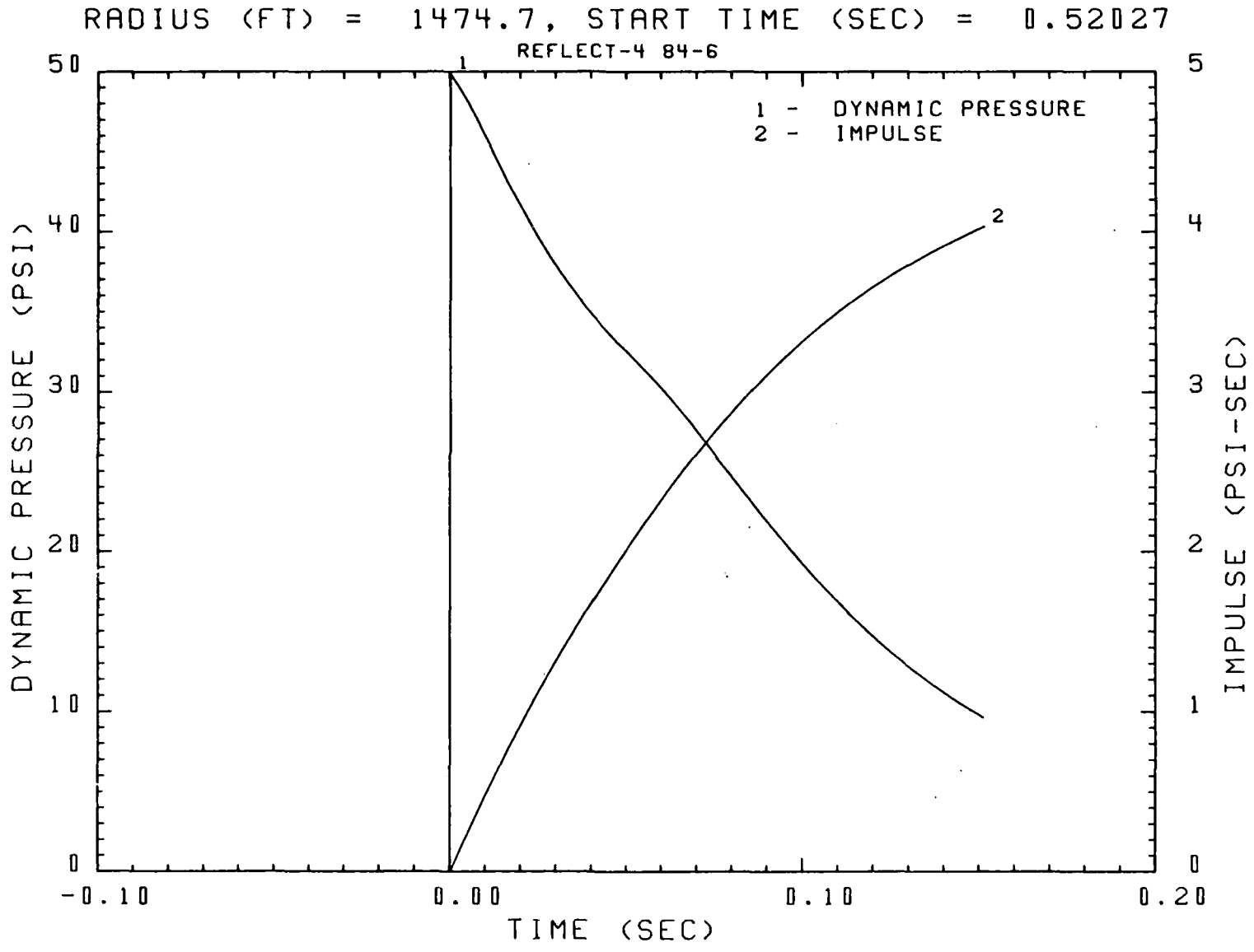

RADIUS (FT) = 1258.1, START TIME (SEC) = 0.43165
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
50
0
-50
6
4
2
0
-1
0
1


RADIUS (FT) = 1319.2, START TIME (SEC) = 0.45568
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20


RADIUS (FT) = 1319.2, START TIME (SEC) = 0.45568
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
-20
6
4
2
0
-1
0
1

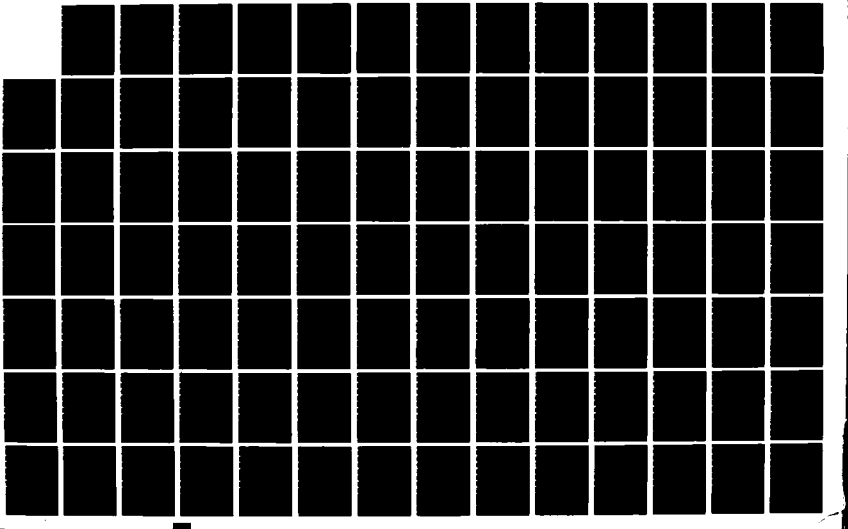

RADIUS (FT) = 1398.3, START TIME (SEC) = 0.48791
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
-20
6
4
2
0
-1
0
1
2

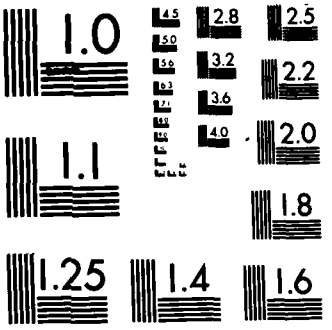

RADIUS (FT) = 1398.3, START TIME (SEC) = 0.48791
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
1
2


RADIUS (FT) = 1474.7, START TIME (SEC) = 0.52027
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
50
40
30
20
10
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20

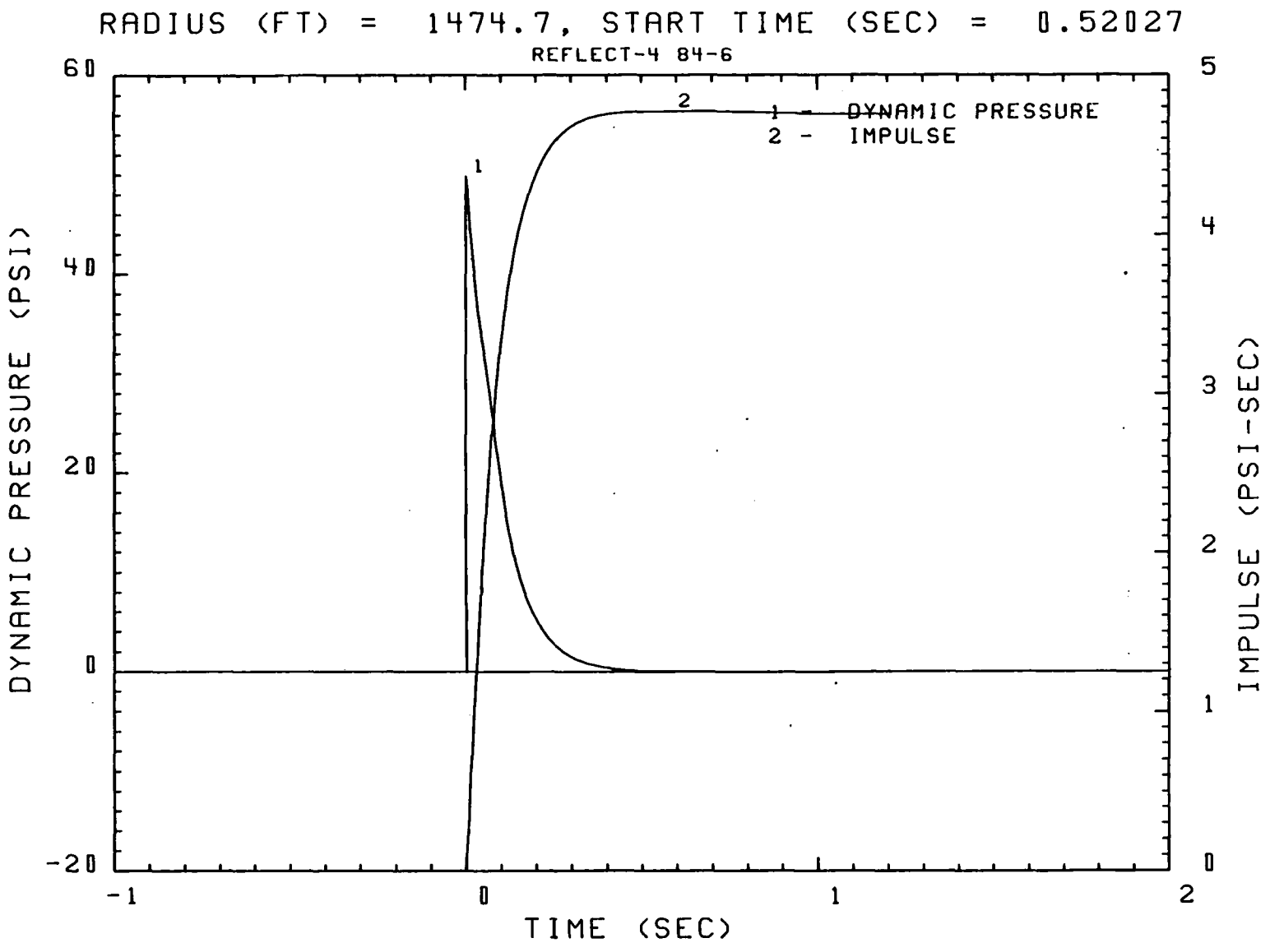
AD-A160 567 REFLECT-4 CODE COMPUTATIONS OF 40 KT NUCLEAR BLAST WAVES REFLECTED FROM T... (U) KAMAN AVIDYNE BURLINGTON MA R F SMILEY ET AL 14 SEP 84 KA-TR-222-VOL-2 4/6

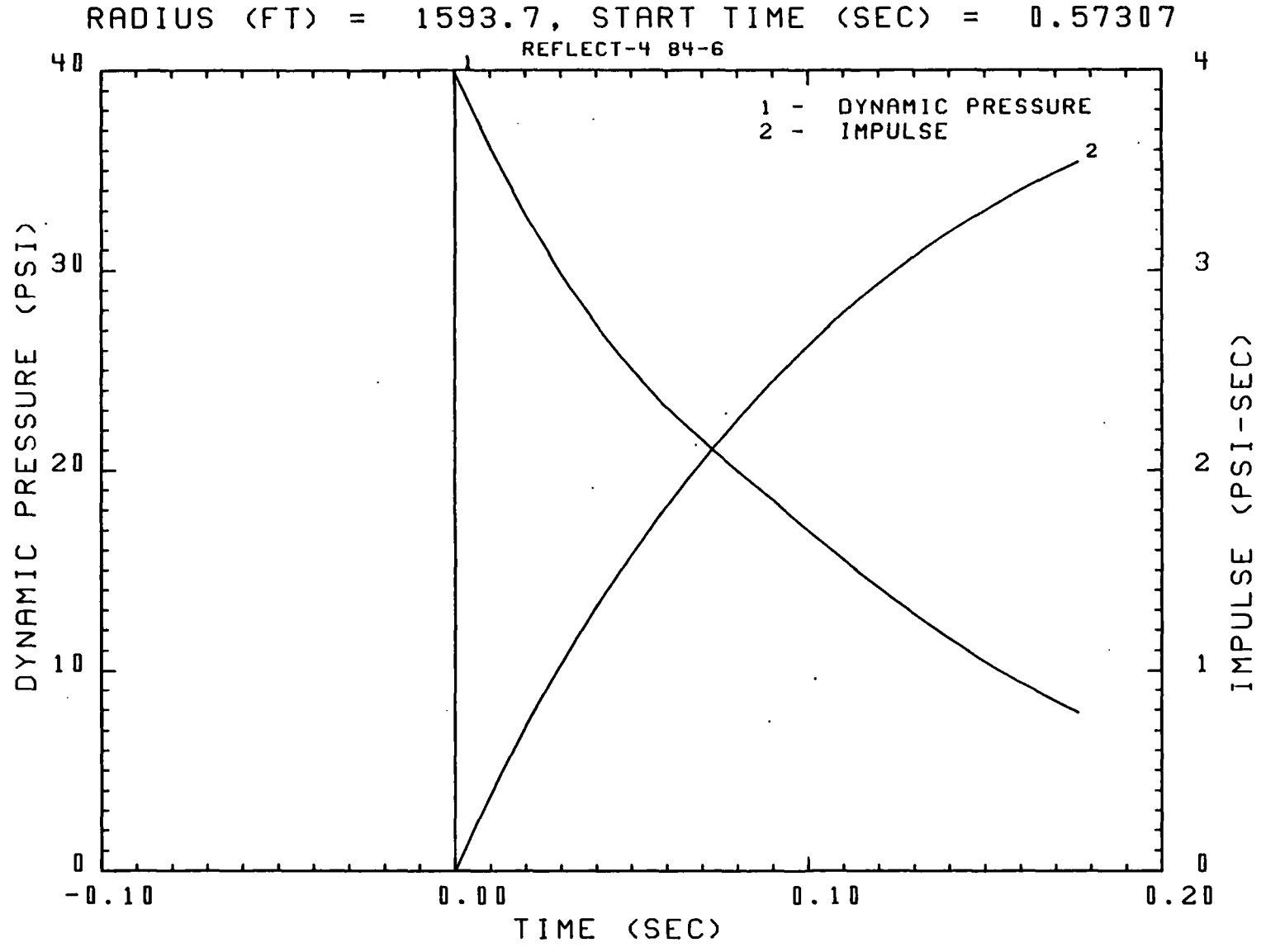
UNCLASSIFIED DNA-TR-84-348-V2 DNA001-83-C-0351 F/G 18/3 NL

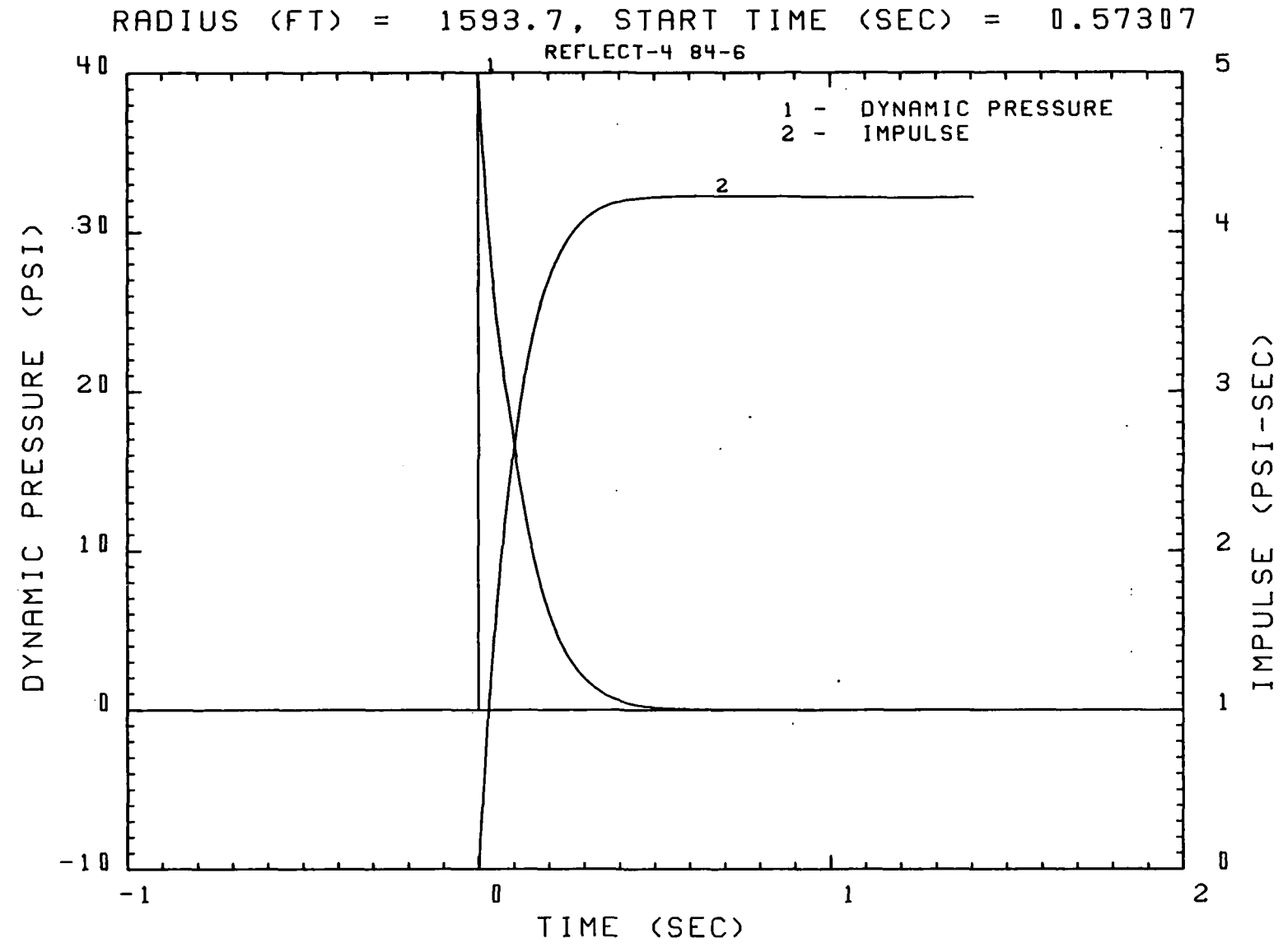


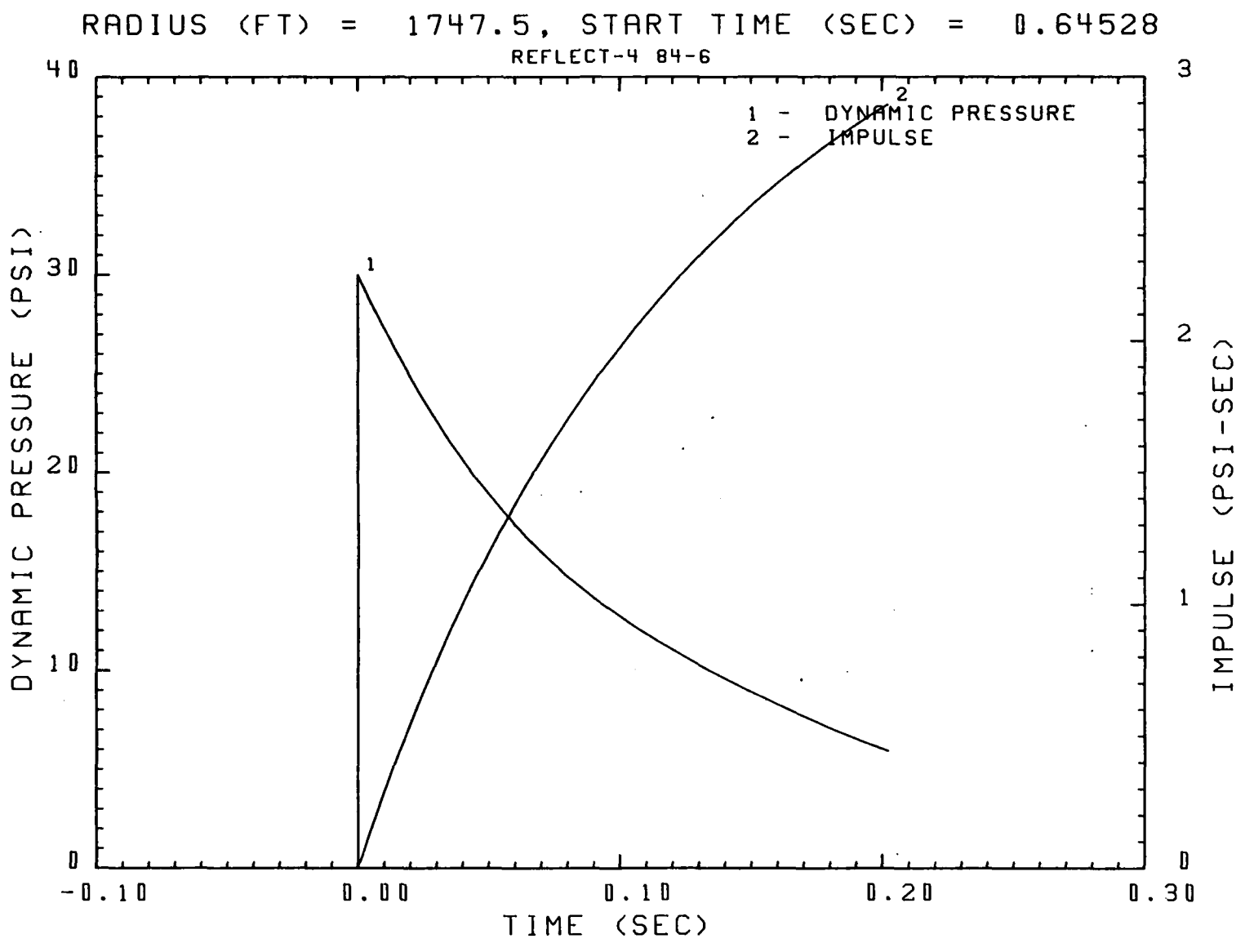


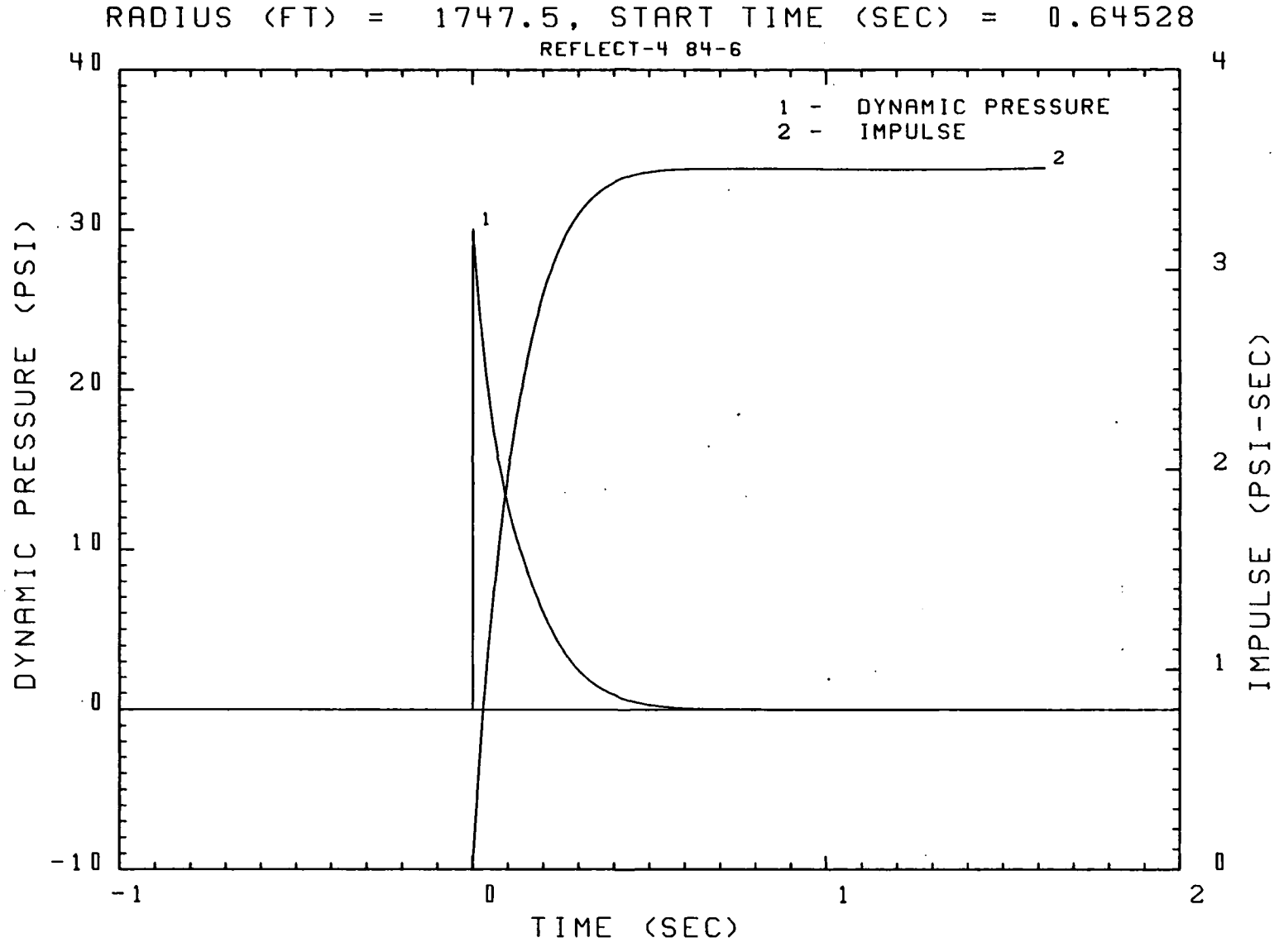
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

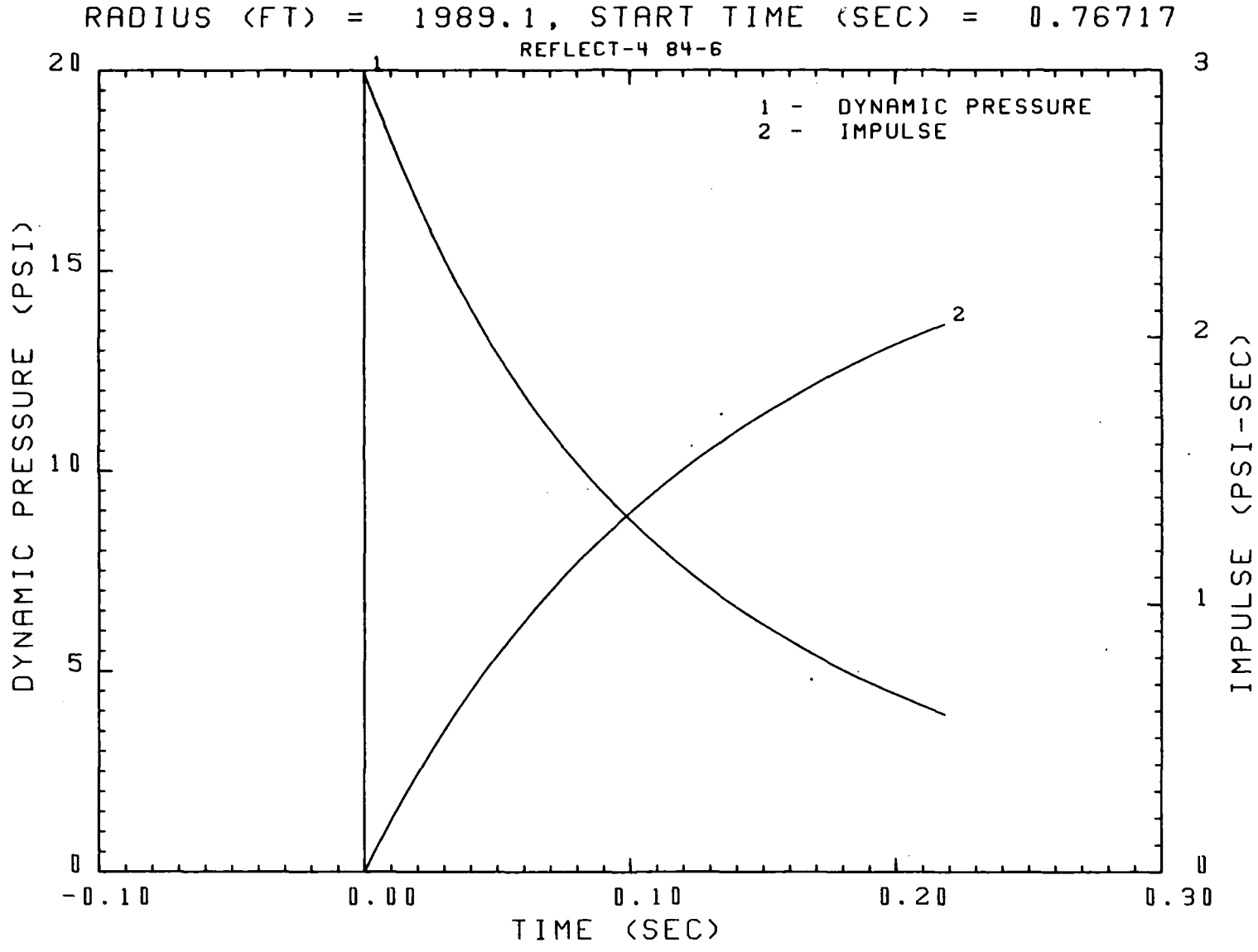

RADIUS (FT) = 1474.7, START TIME (SEC) = 0.52027
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
5
4
3
2
1
0
-1
0
1
2

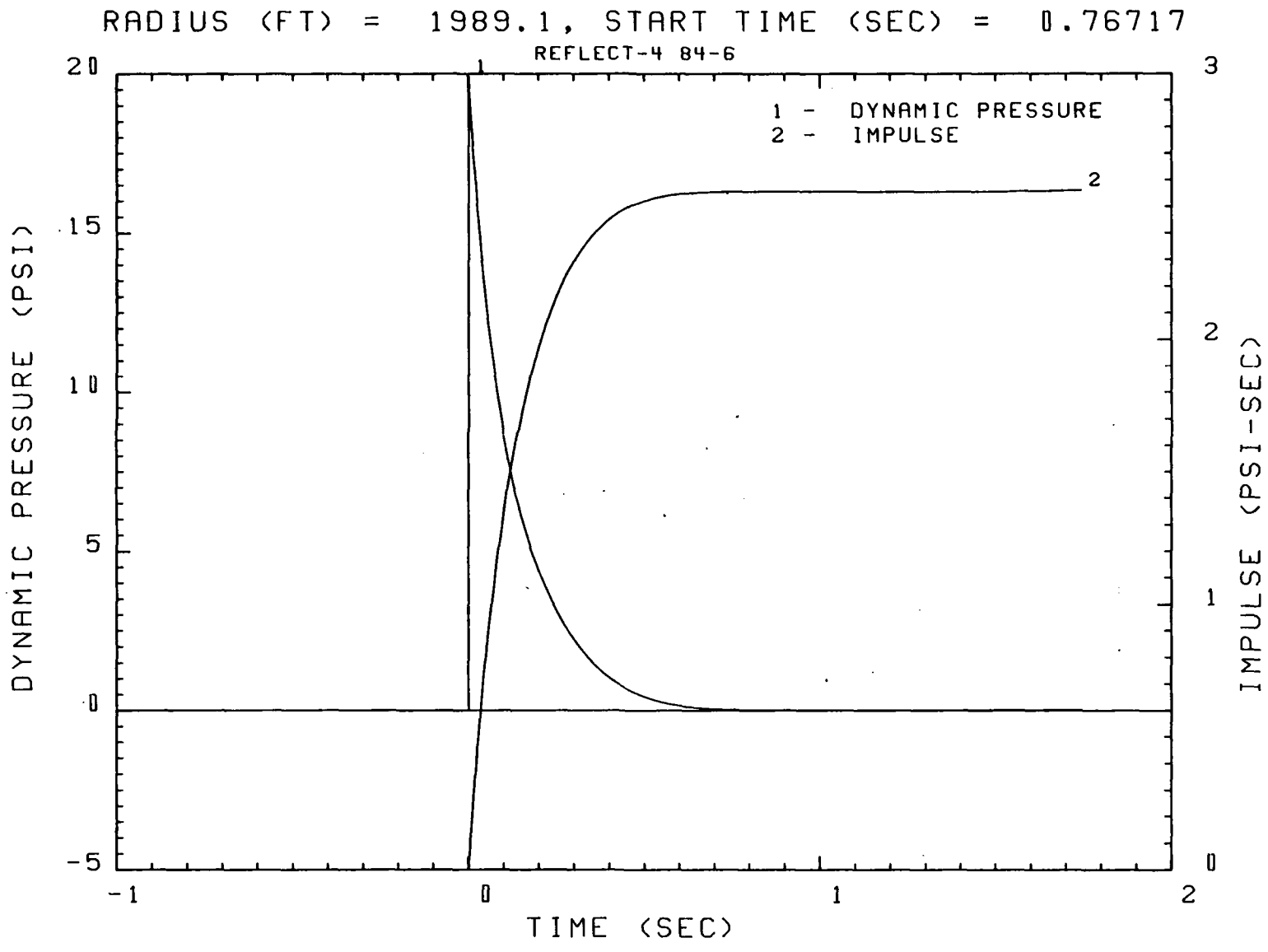

RADIUS (FT) = 1593.7, START TIME (SEC) = 0.57307
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20

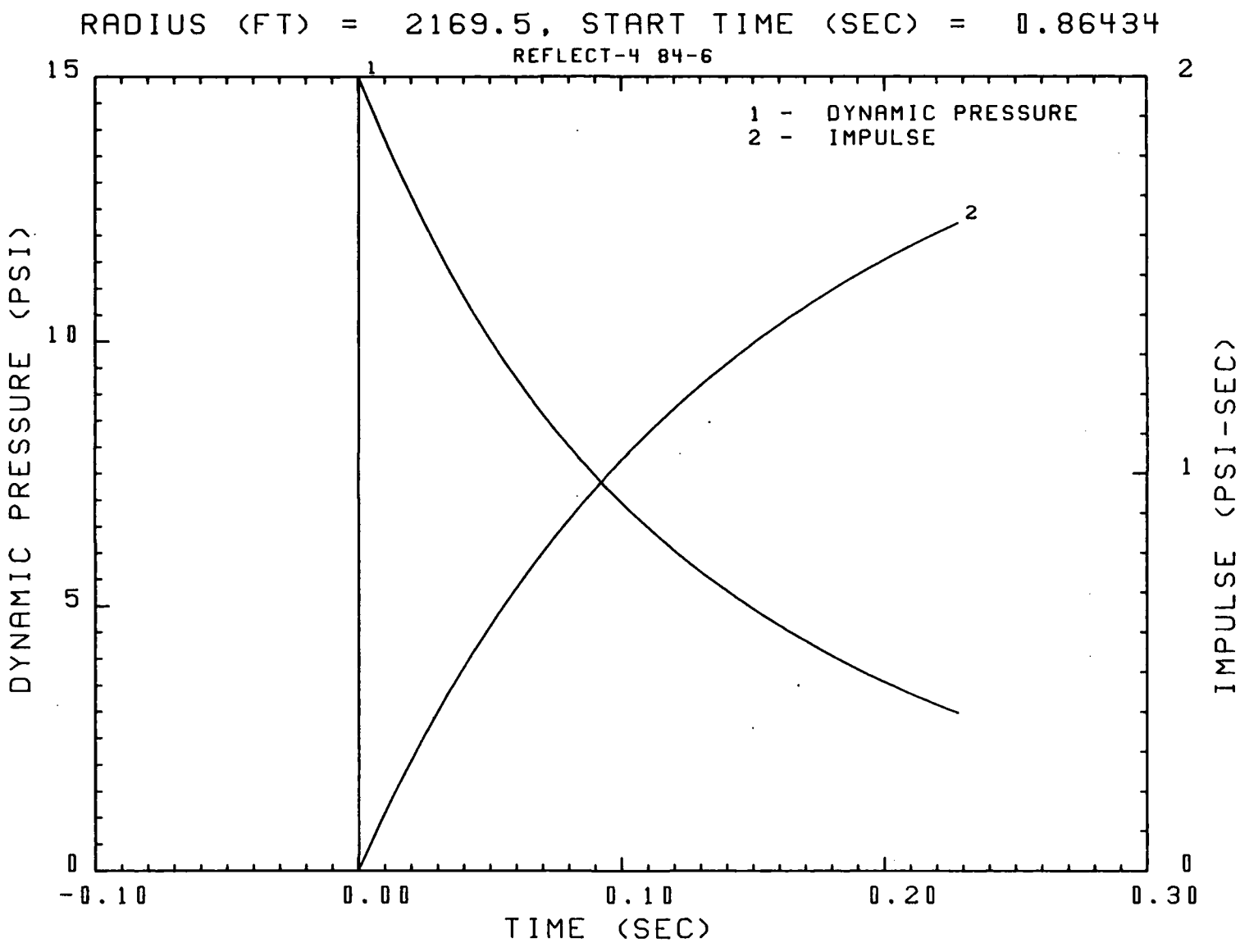

RADIUS (FT) = 1593.7, START TIME (SEC) = 0.57307
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2

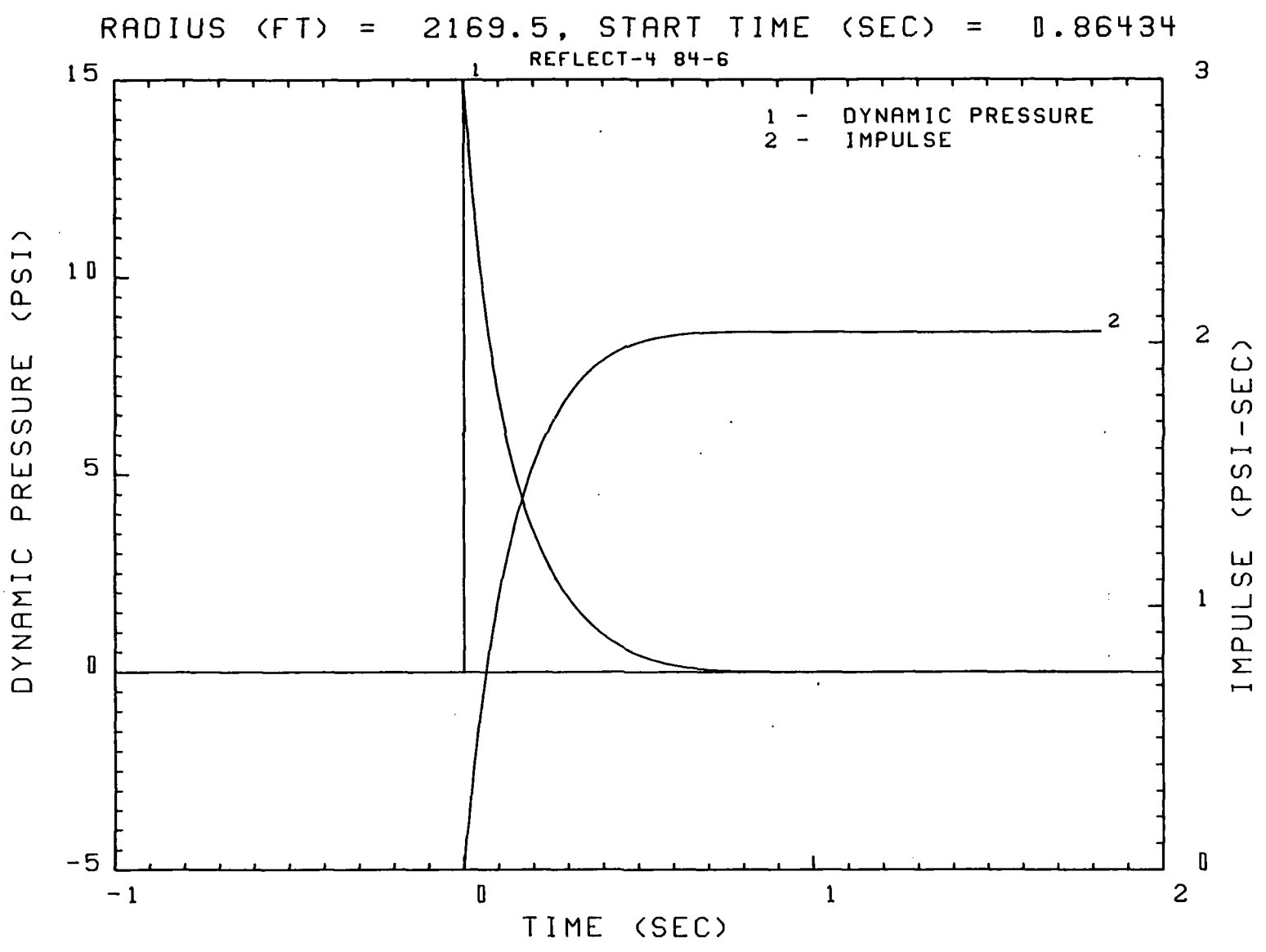

RADIUS (FT) = 1747.5, START TIME (SEC) = 0.64528
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

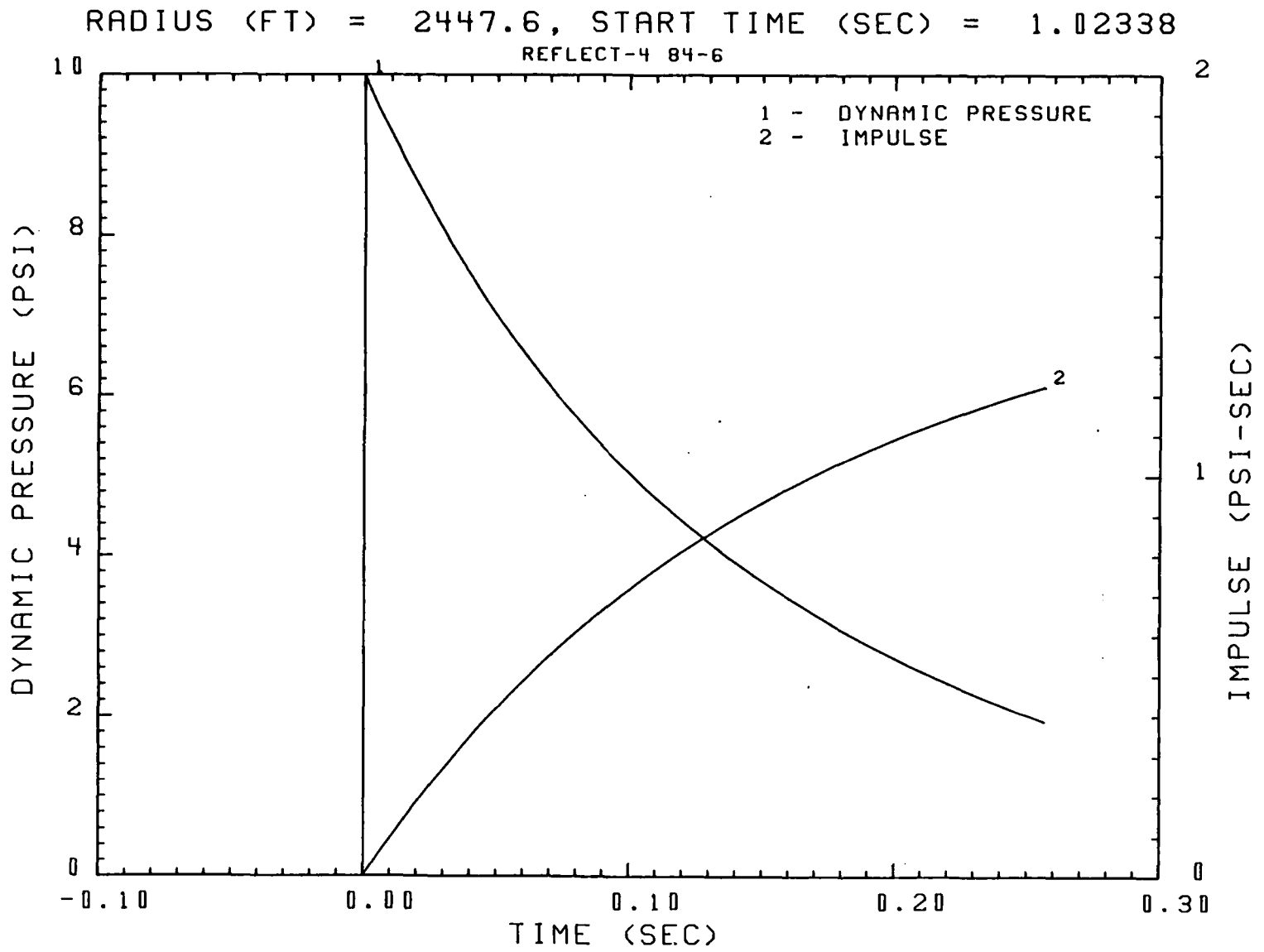

RADIUS (FT) = 1747.5, START TIME (SEC) = 0.64528
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
-10
4
3
2
1
0
-1
0
1
2

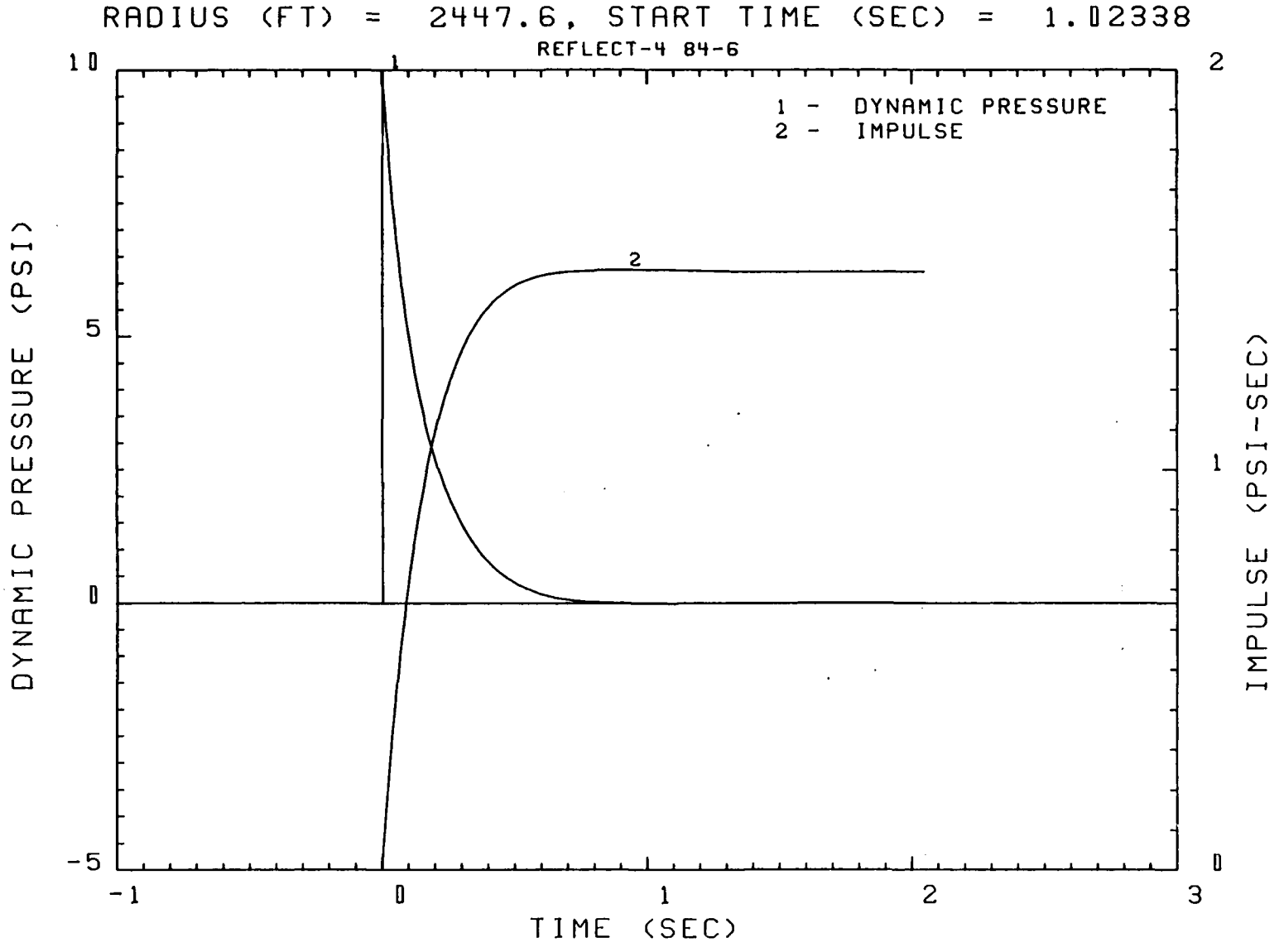

RADIUS (FT) = 1989.1, START TIME (SEC) = 0.76717
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

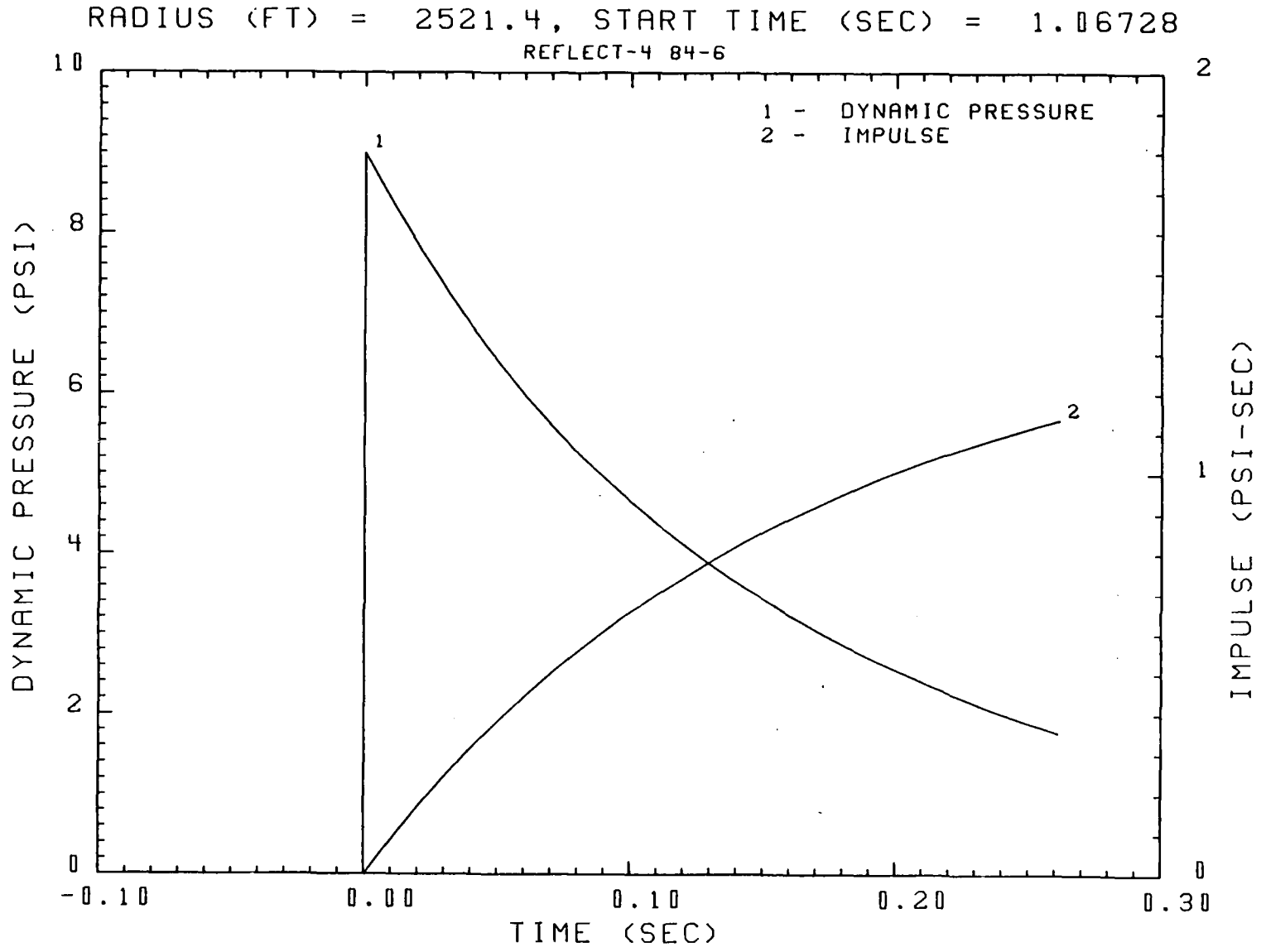

RADIUS (FT) = 1989.1, START TIME (SEC) = 0.76717
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
-5
3
2
1
0
-1
0
1
2

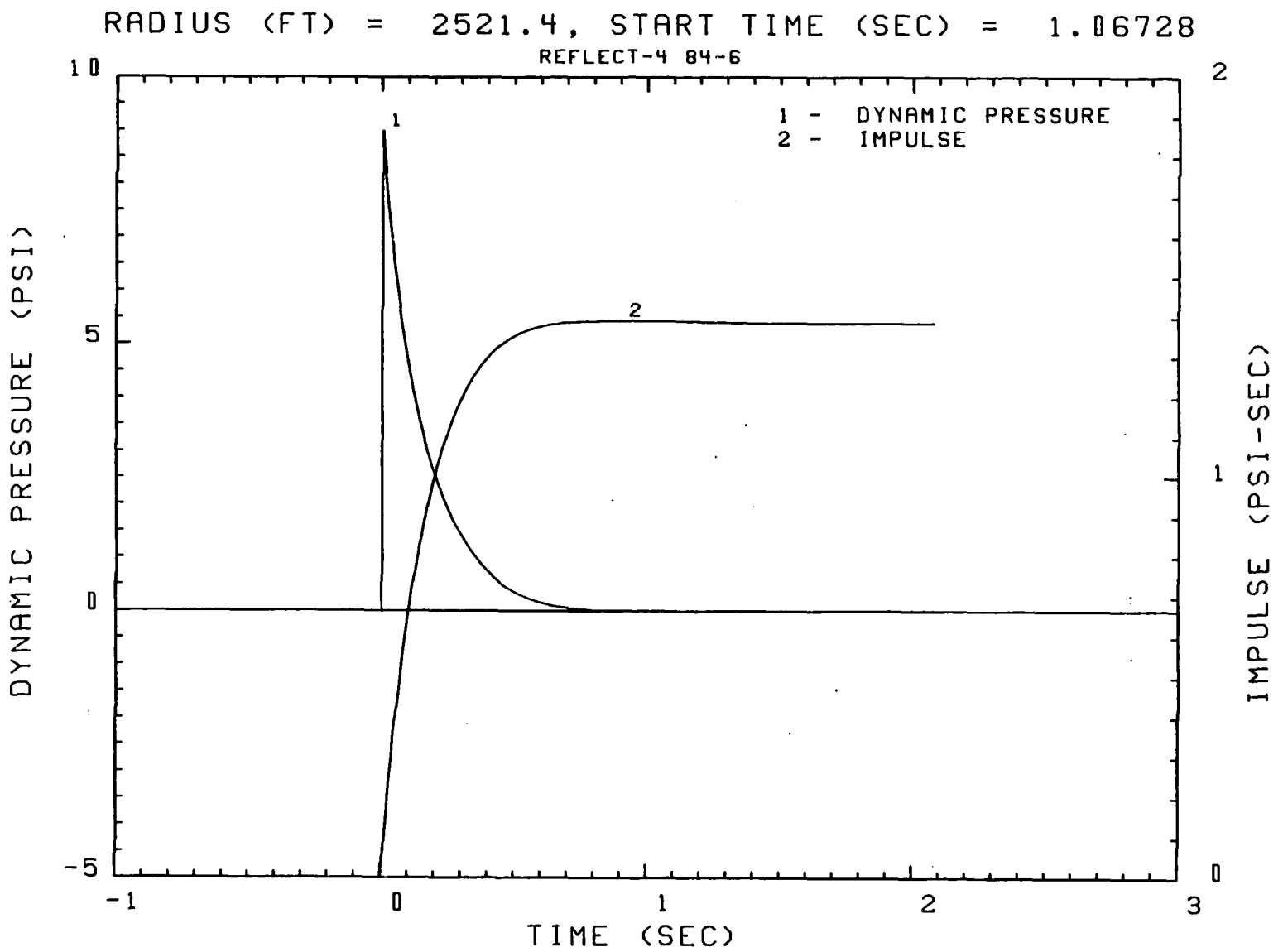

RADIUS (FT) = 2169.5, START TIME (SEC) = 0.86434
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
2
1
0
-0.10
0.00
0.10
0.20
0.30

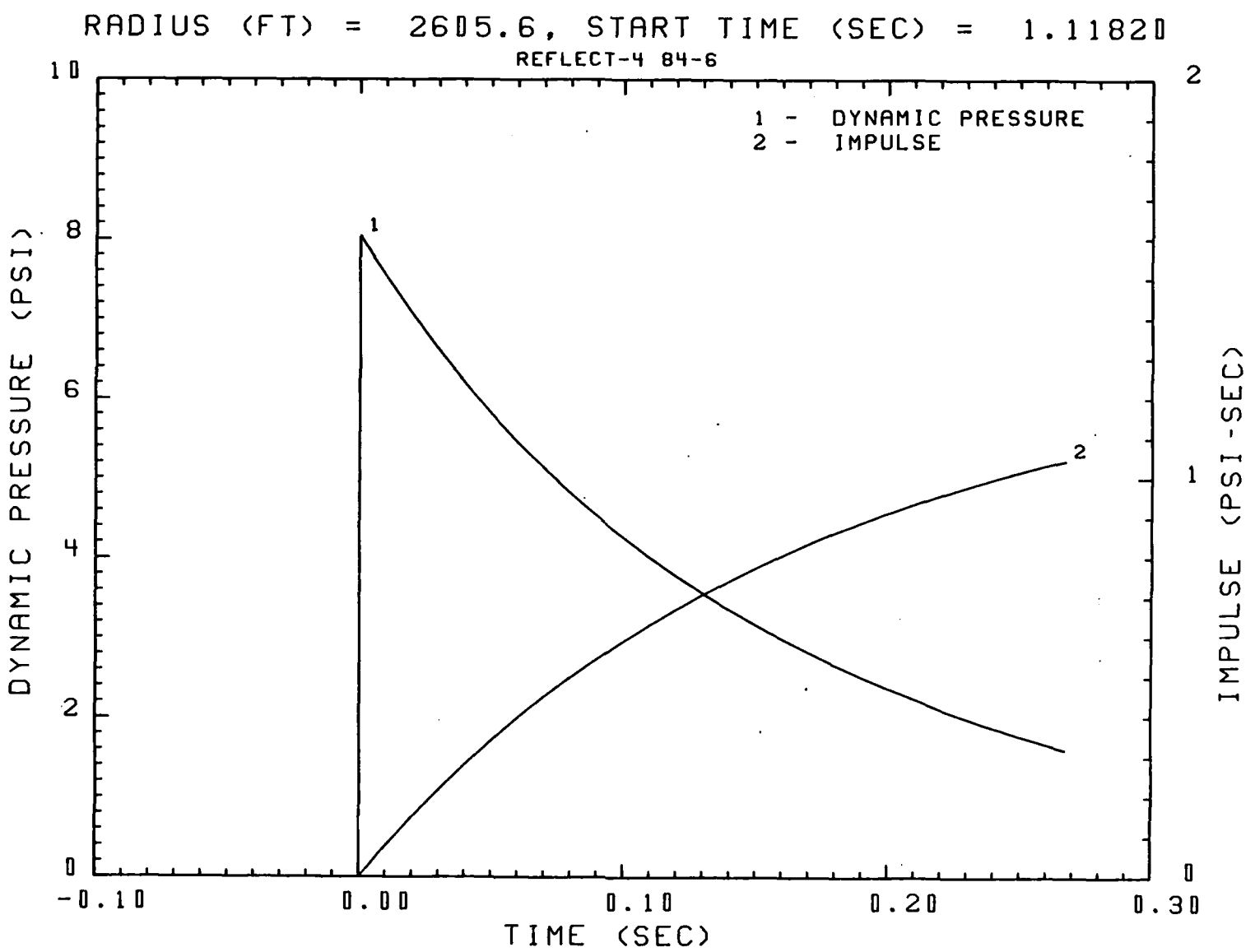

RADIUS (FT) = 2169.5, START TIME (SEC) = 0.86434
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
3
2
1
0
-1
0
1
2

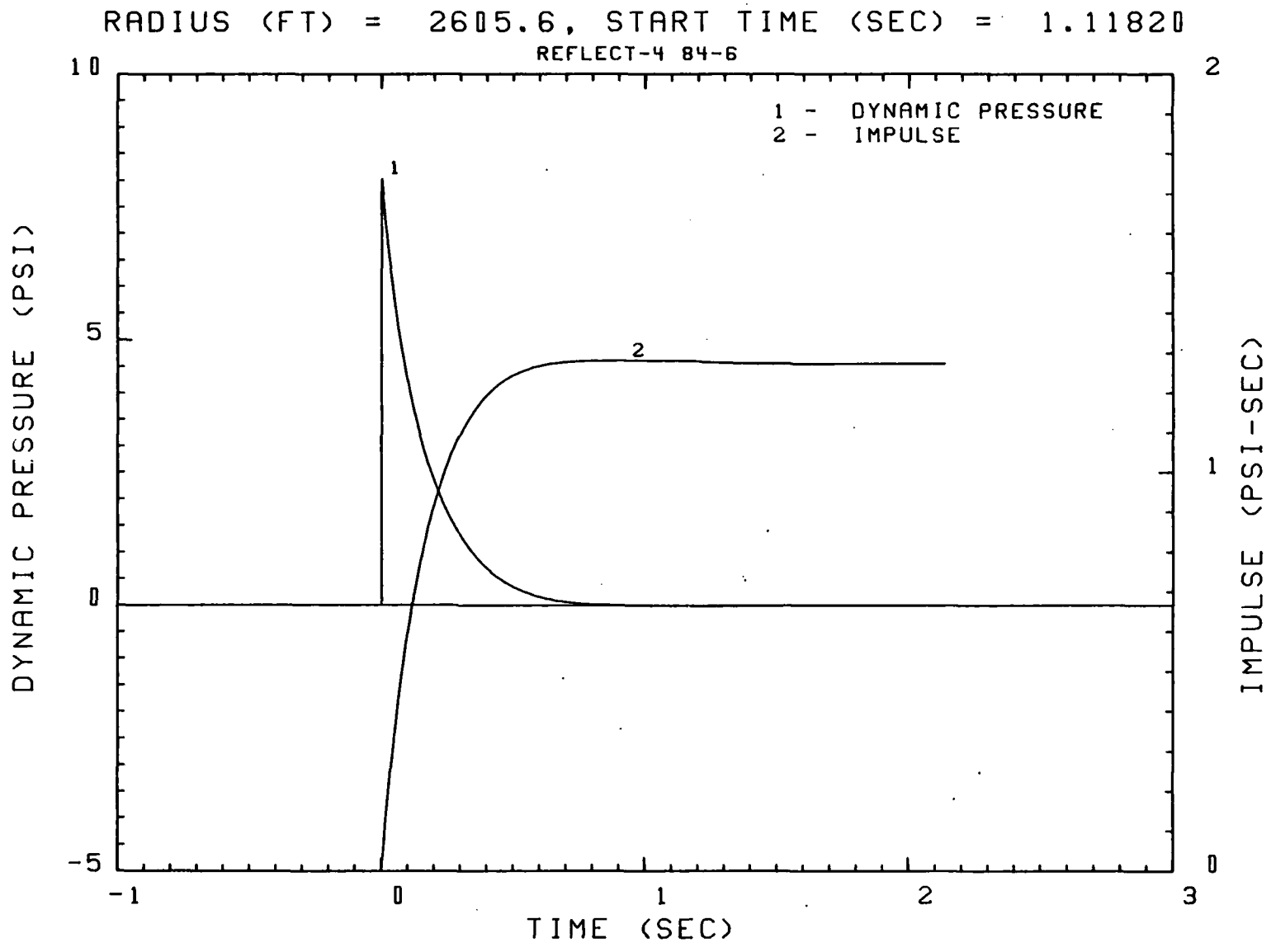

RADIUS (FT) = 2447.6, START TIME (SEC) = 1.02338
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
2
1
0
-0.10
0.00
0.10
0.20
0.30

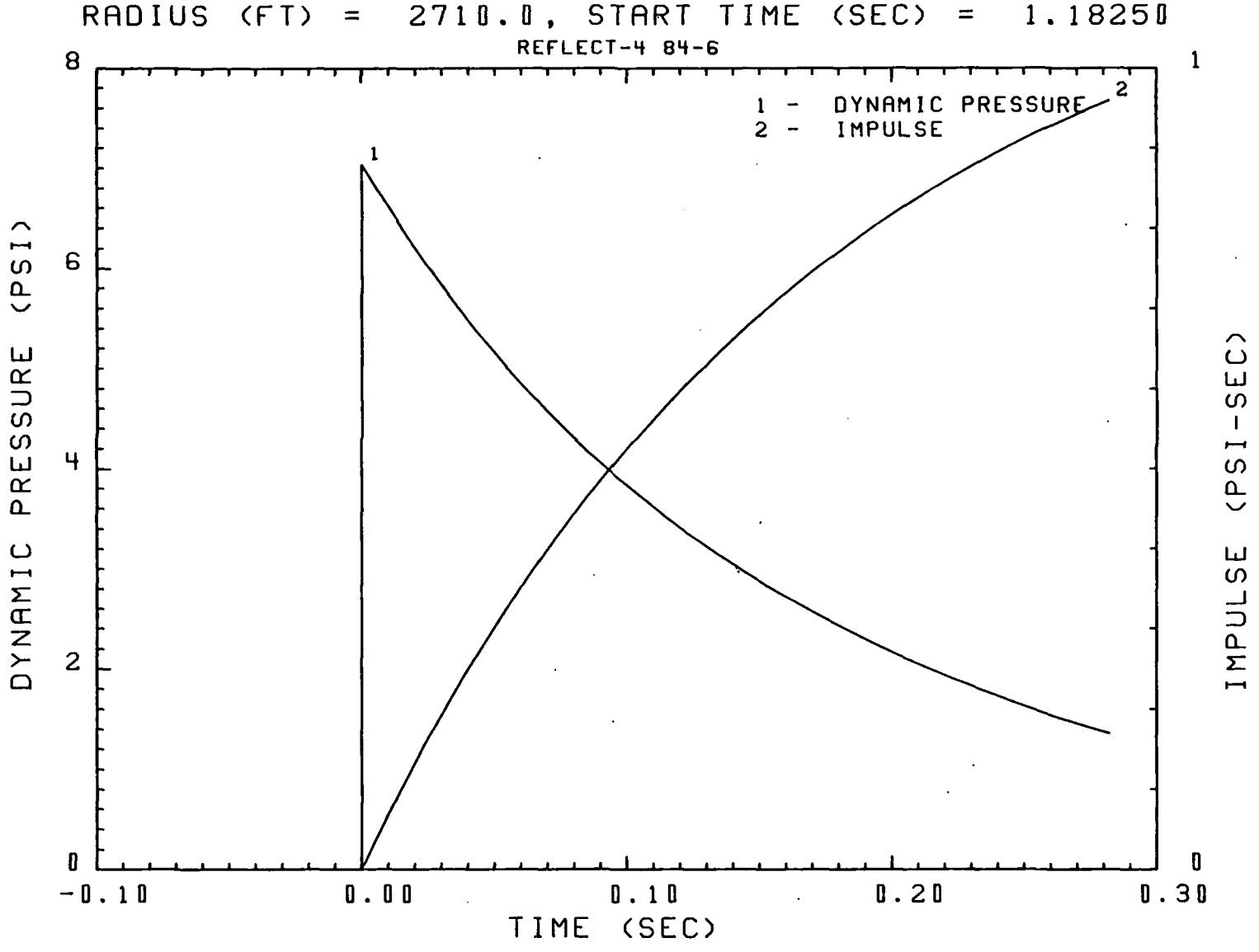

RADIUS (FT) = 2447.6, START TIME (SEC) = 1.02338
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
2
1
0
-1
0
1
2
3

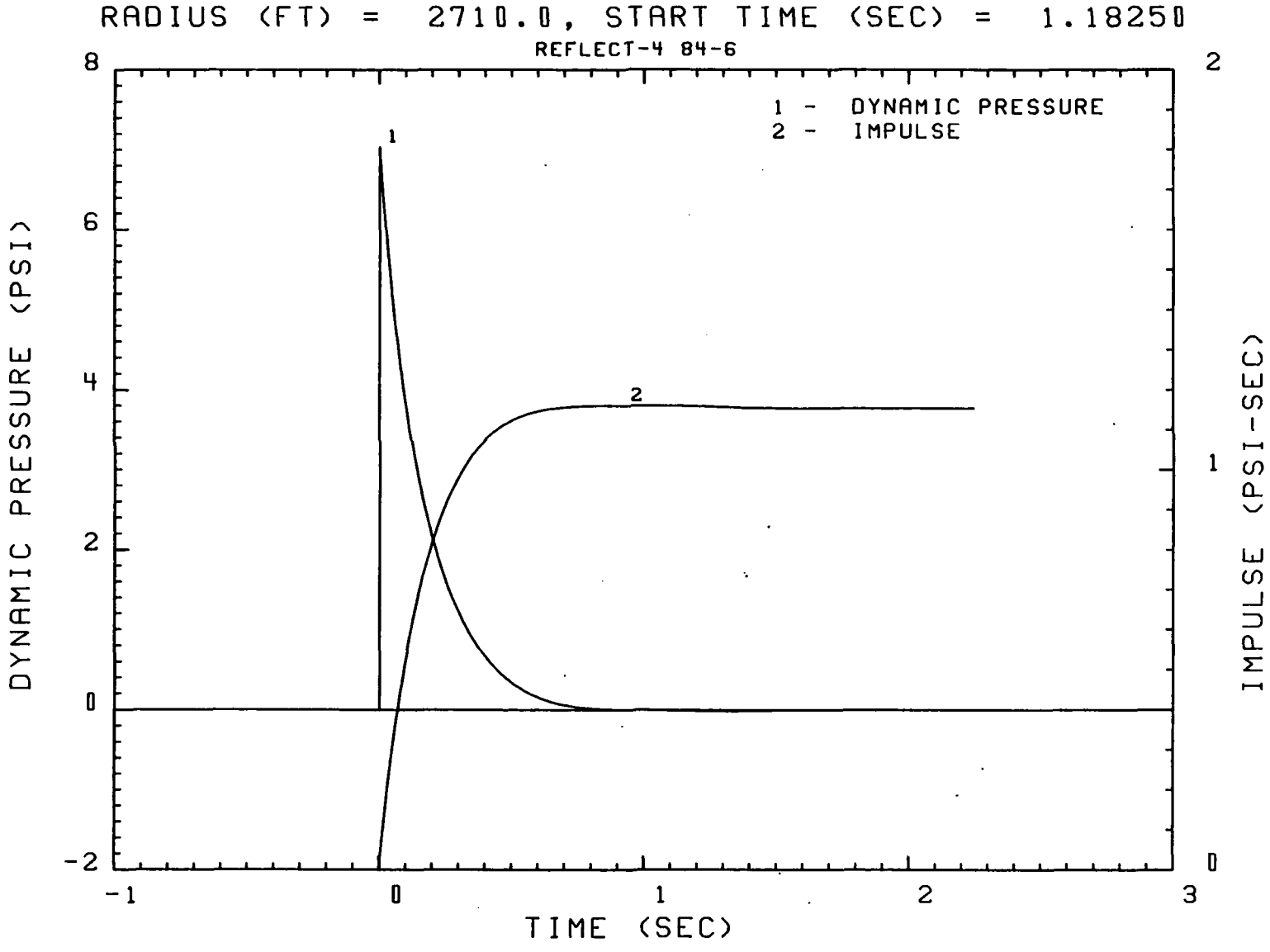

RADIUS (FT) = 2521.4, START TIME (SEC) = 1.06728
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
2
1
0
-0.10
0.00
0.10
0.20
0.30
1
2

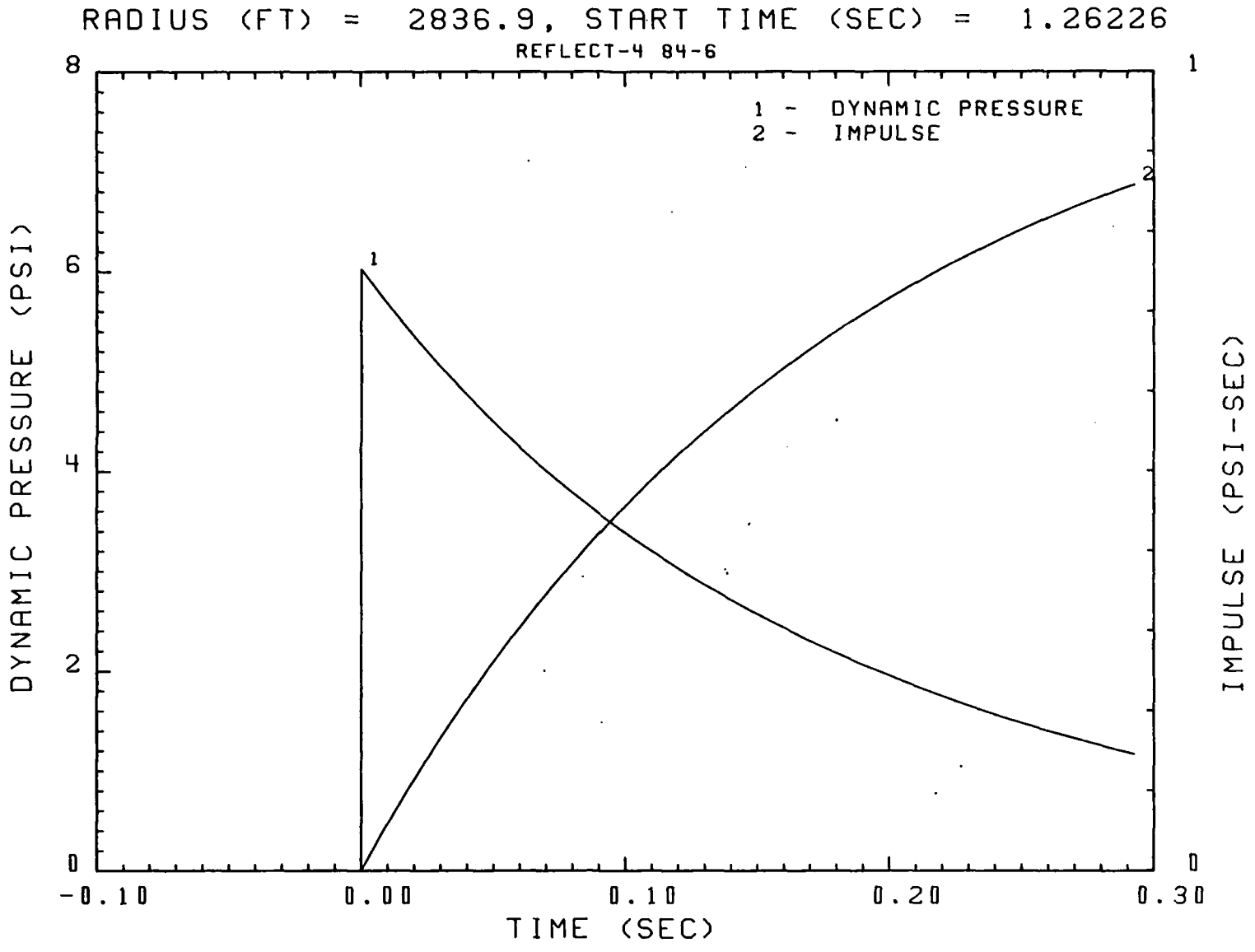

RADIUS (FT) = 2521.4, START TIME (SEC) = 1.06728
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
2
1
0
-1
0
1
2
3

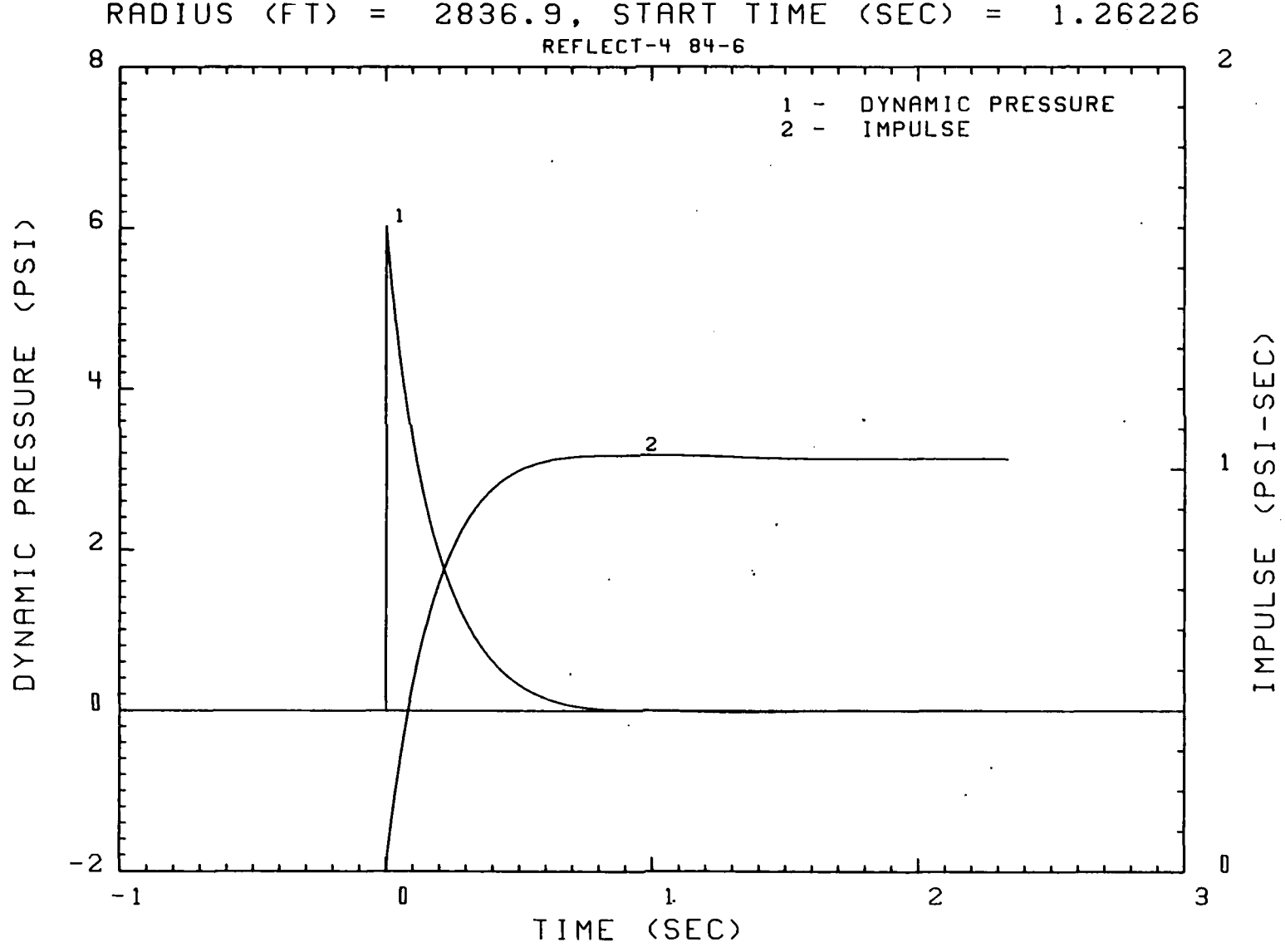

RADIUS (FT) = 2605.6, START TIME (SEC) = 1.11820
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
2
1
0
-0.10
0.00
0.10
0.20
0.30
1
2

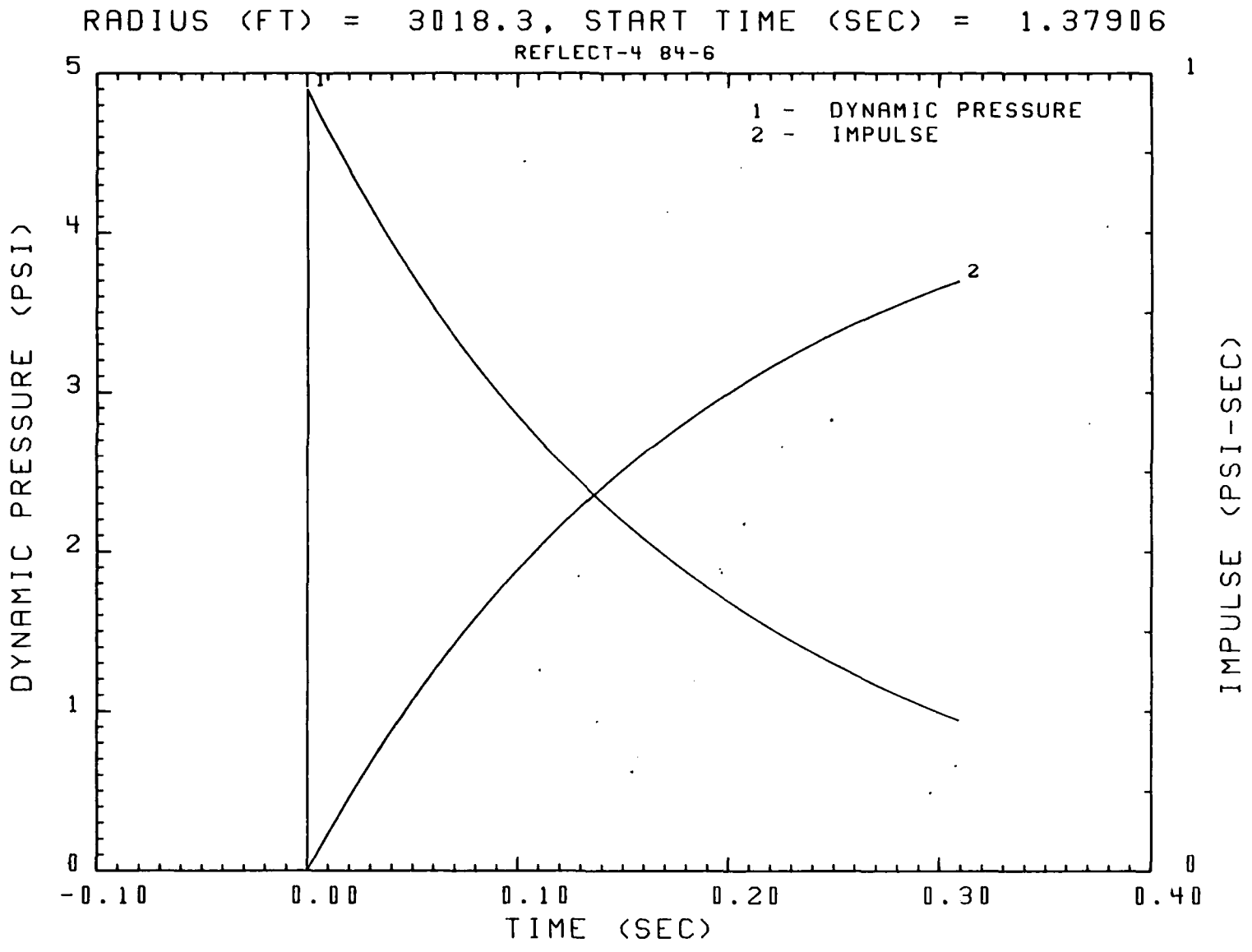

RADIUS (FT) = 2605.6, START TIME (SEC) = 1.11820
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
2
1
0
-1
0
1
2
3

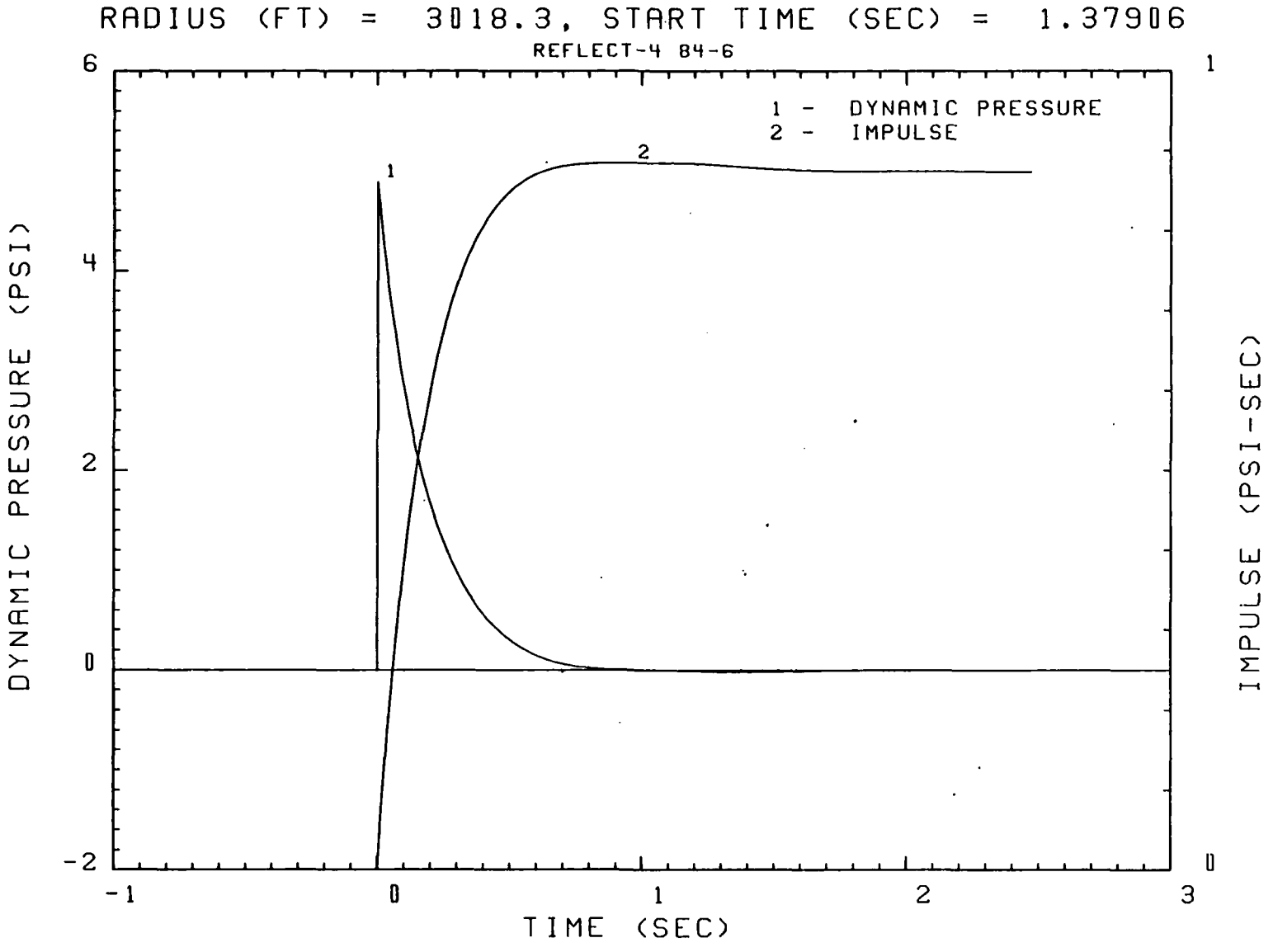

RADIUS (FT) = 2710.0, START TIME (SEC) = 1.18250
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
1
0
-0.10
0.00
0.10
0.20
0.30

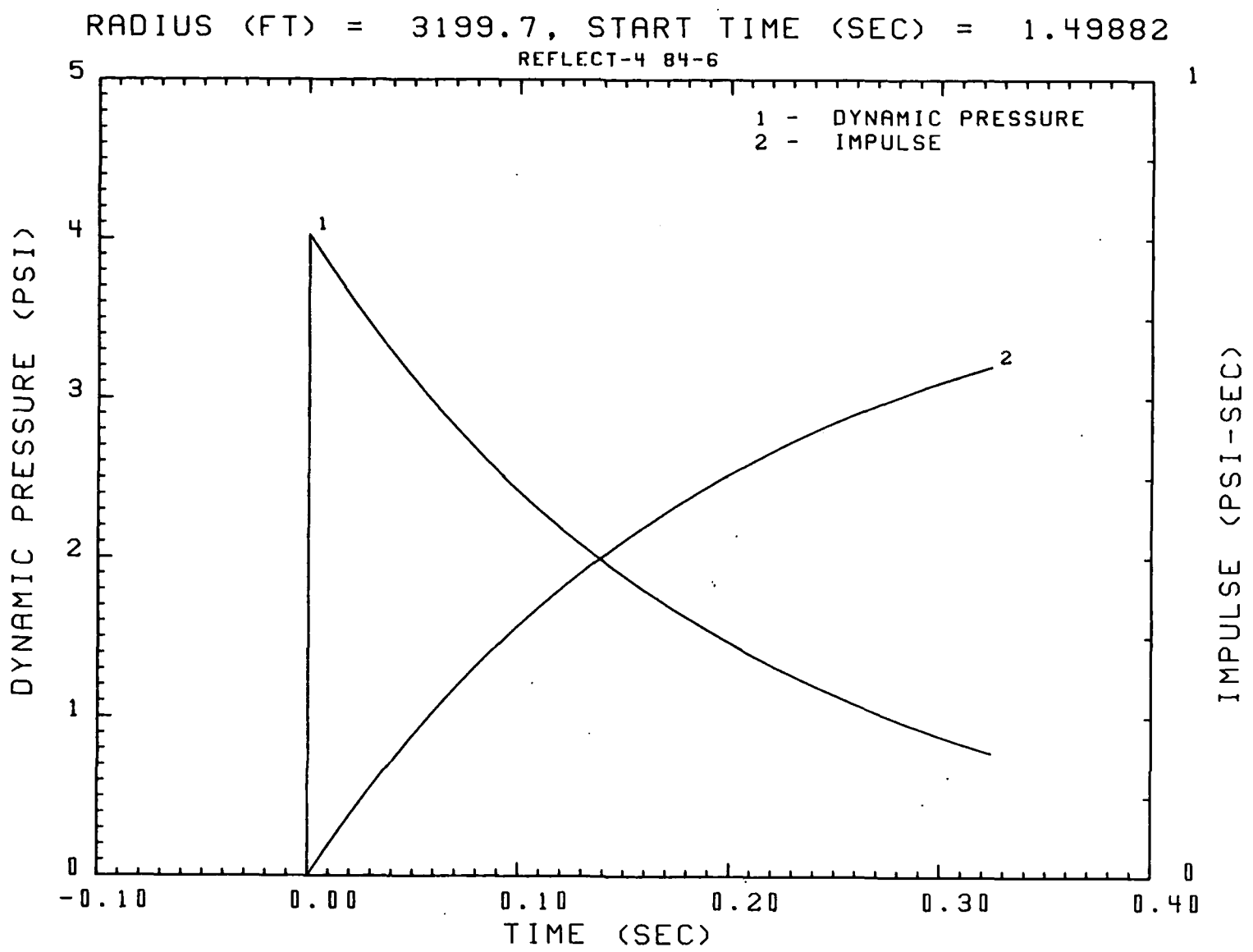

RADIUS (FT) = 2710.0, START TIME (SEC) = 1.18250
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
2
1
0
-1
0
1
2
3

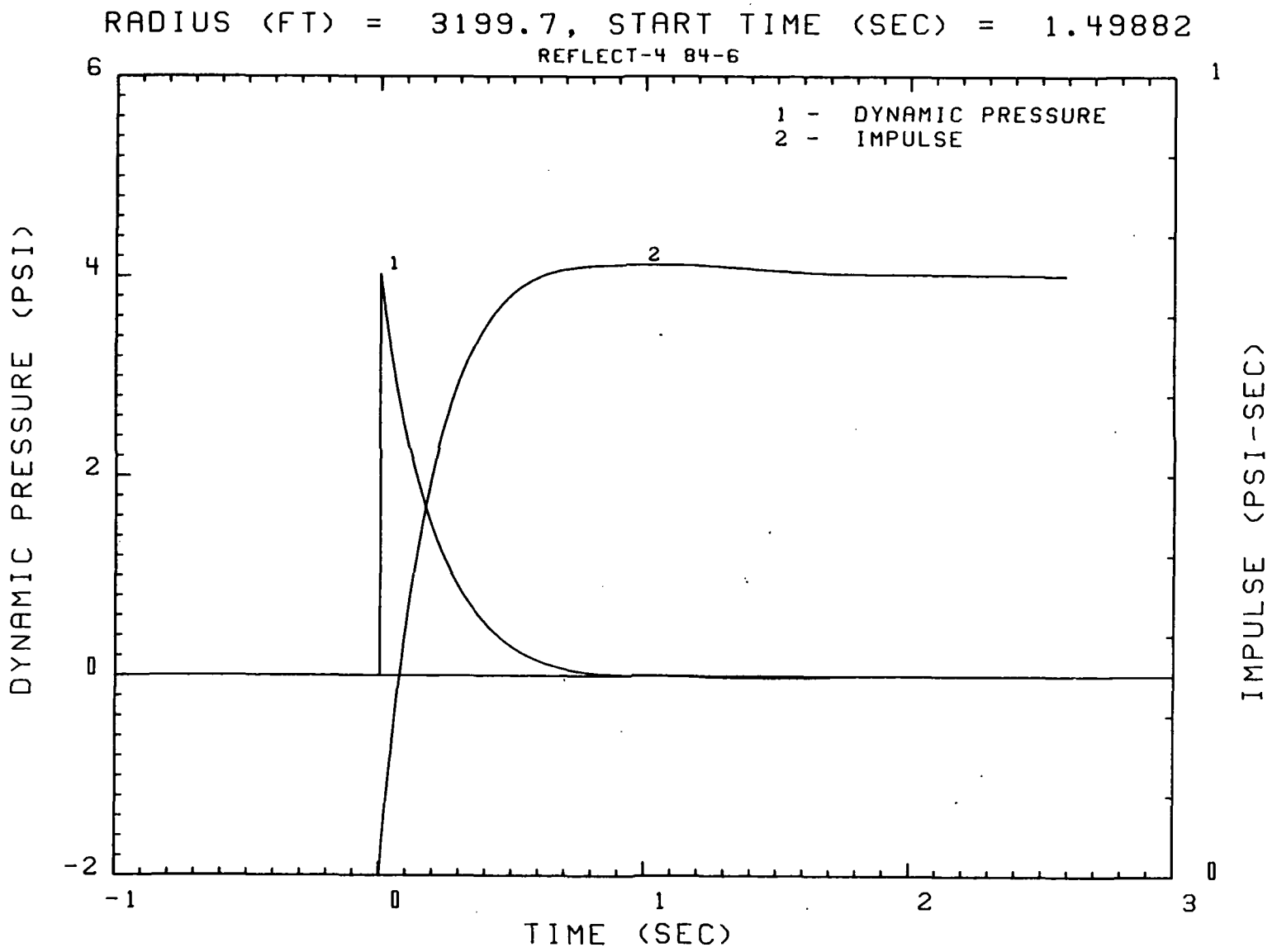

RADIUS (FT) = 2836.9, START TIME (SEC) = 1.26226
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
1
0
-0.10
0.00
0.10
0.20
0.30

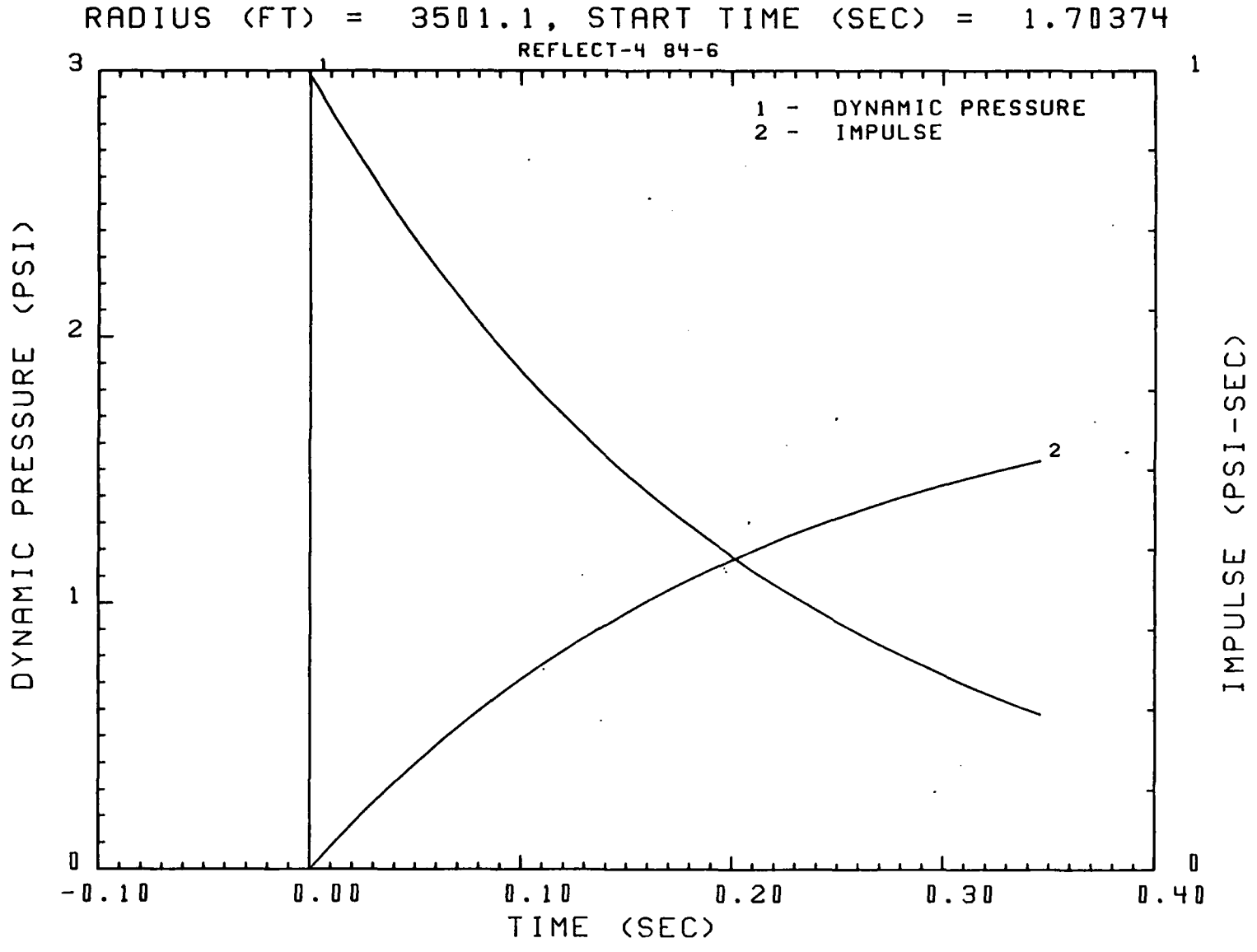

RADIUS (FT) = 2836.9, START TIME (SEC) = 1.26226
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
2
1
0
-1
0
1
2
3
1
2

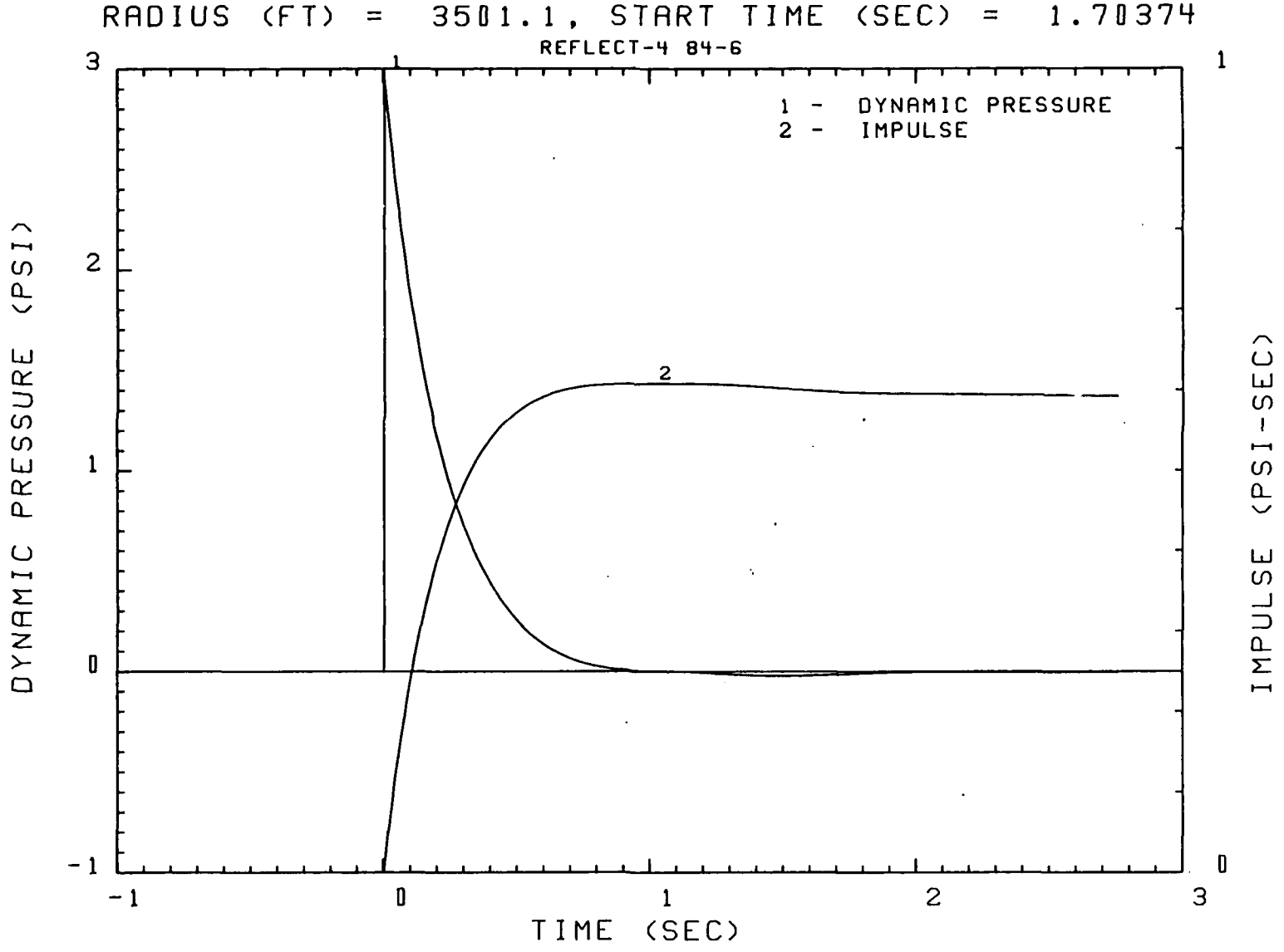

RADIUS (FT) = 3018.3, START TIME (SEC) = 1.37906
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
1
2
3
4
5
-0.10
0.00
0.10
0.20
0.30
0.40

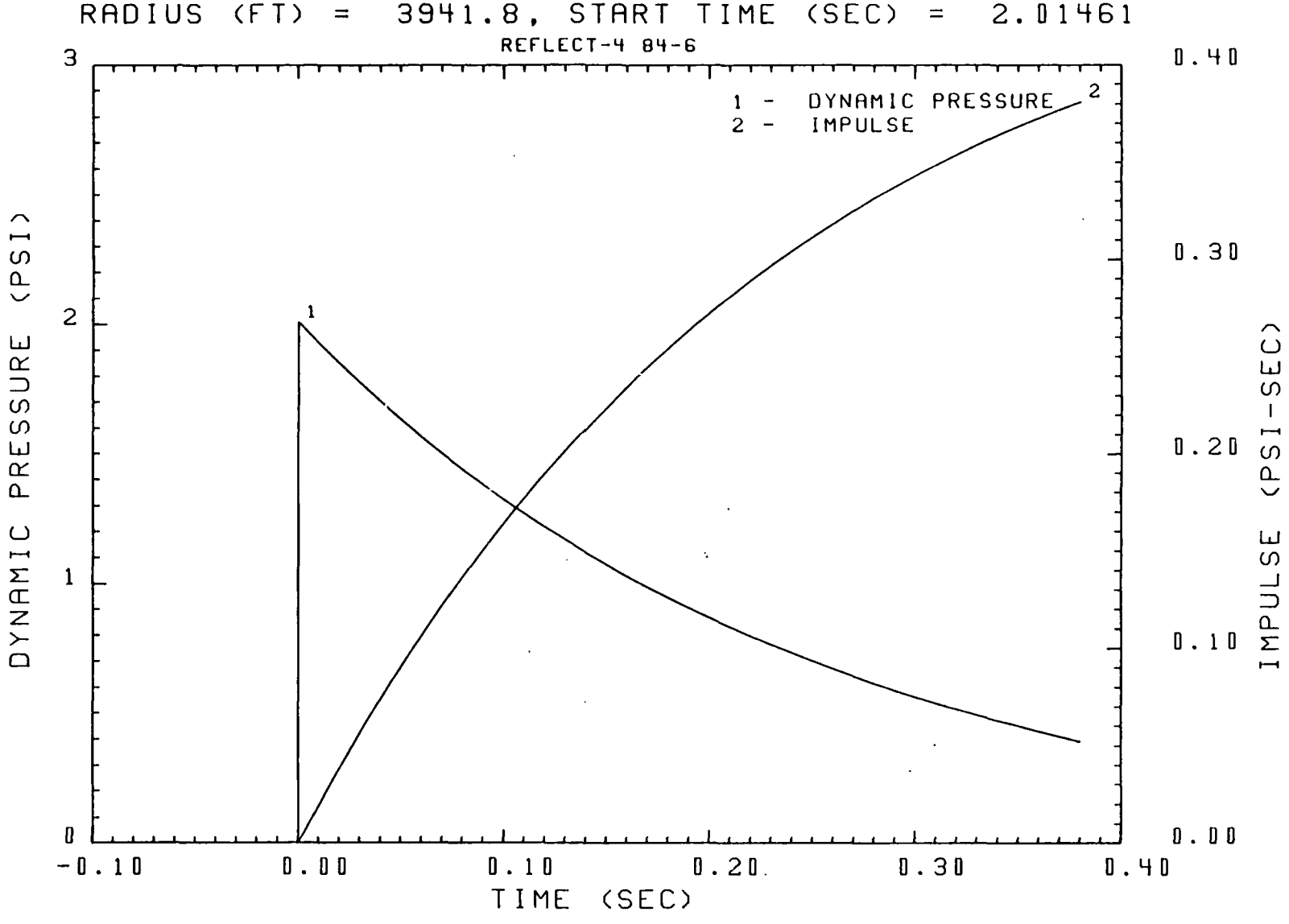

RADIUS (FT) = 3018.3, START TIME (SEC) = 1.37906
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
1
0
-1
2
3

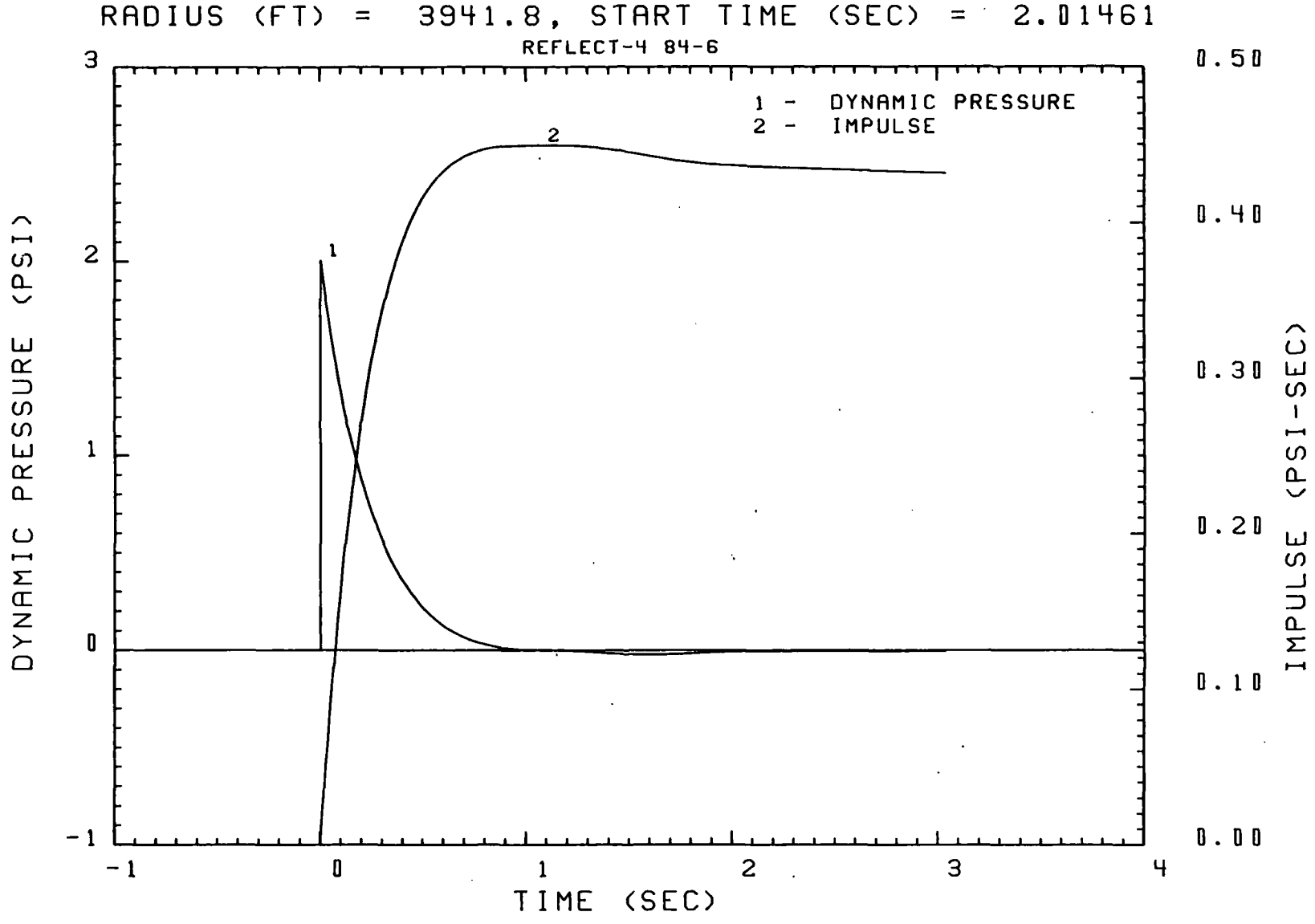

RADIUS (FT) = 3199.7, START TIME (SEC) = 1.49882
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
1
2
3
4
5
-0.10
0.00
0.10
0.20
0.30
0.40

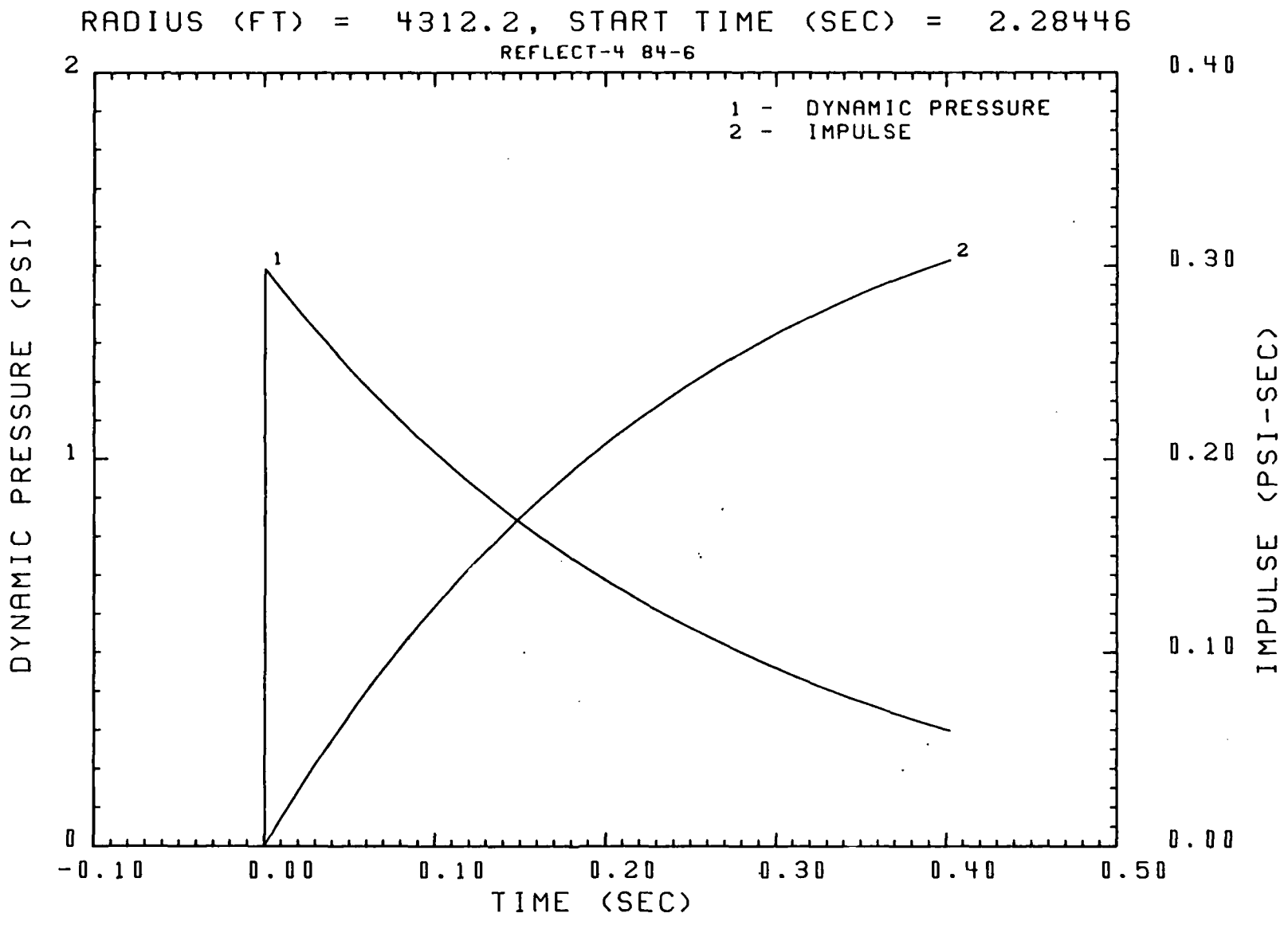

RADIUS (FT) = 3199.7, START TIME (SEC) = 1.49882
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
1
0
-1
-2
-1
0
1
2
3

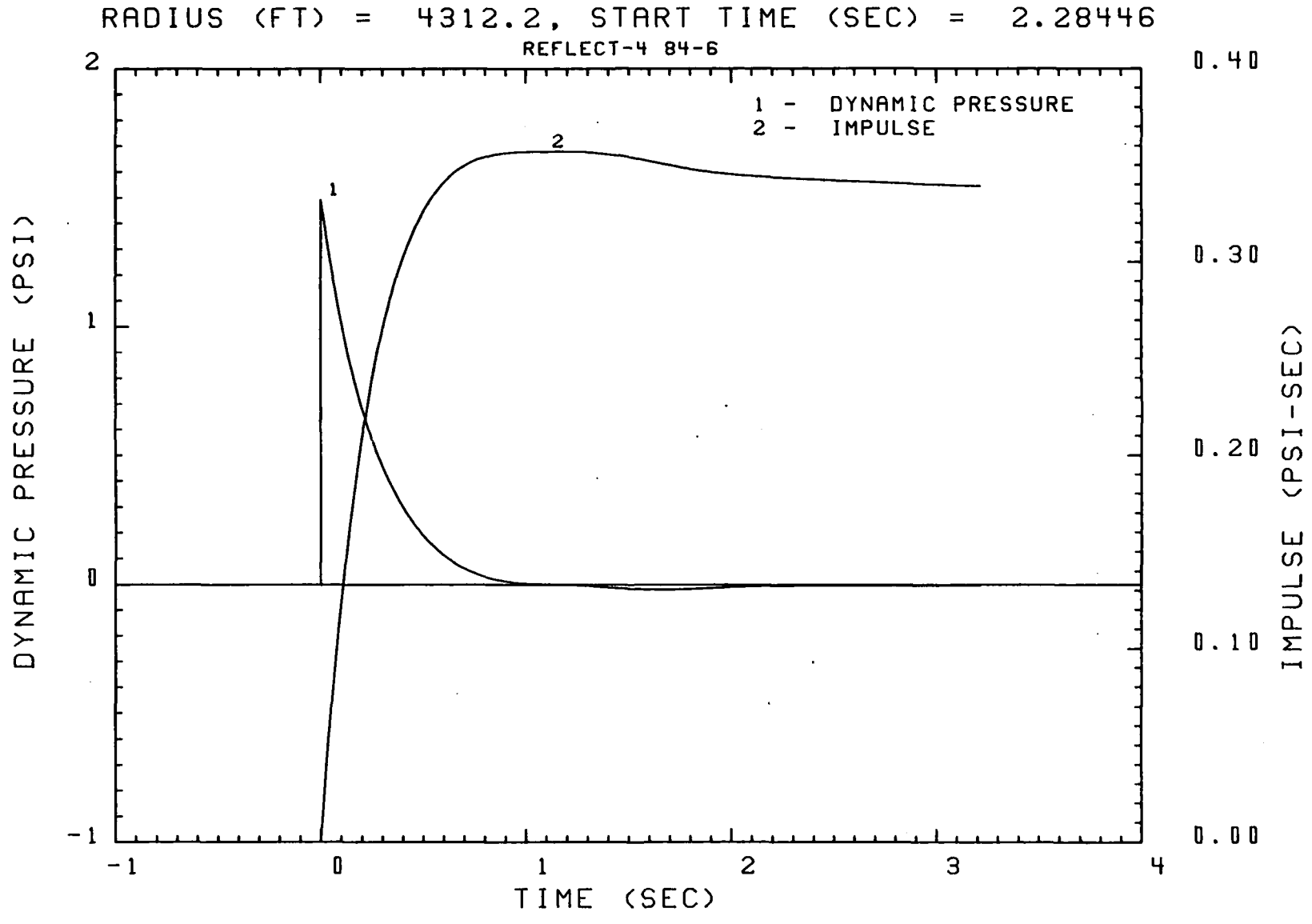

RADIUS (FT) = 3501.1, START TIME (SEC) = 1.70374
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
1
0
-0.10
0.00
0.10
0.20
0.30
0.40

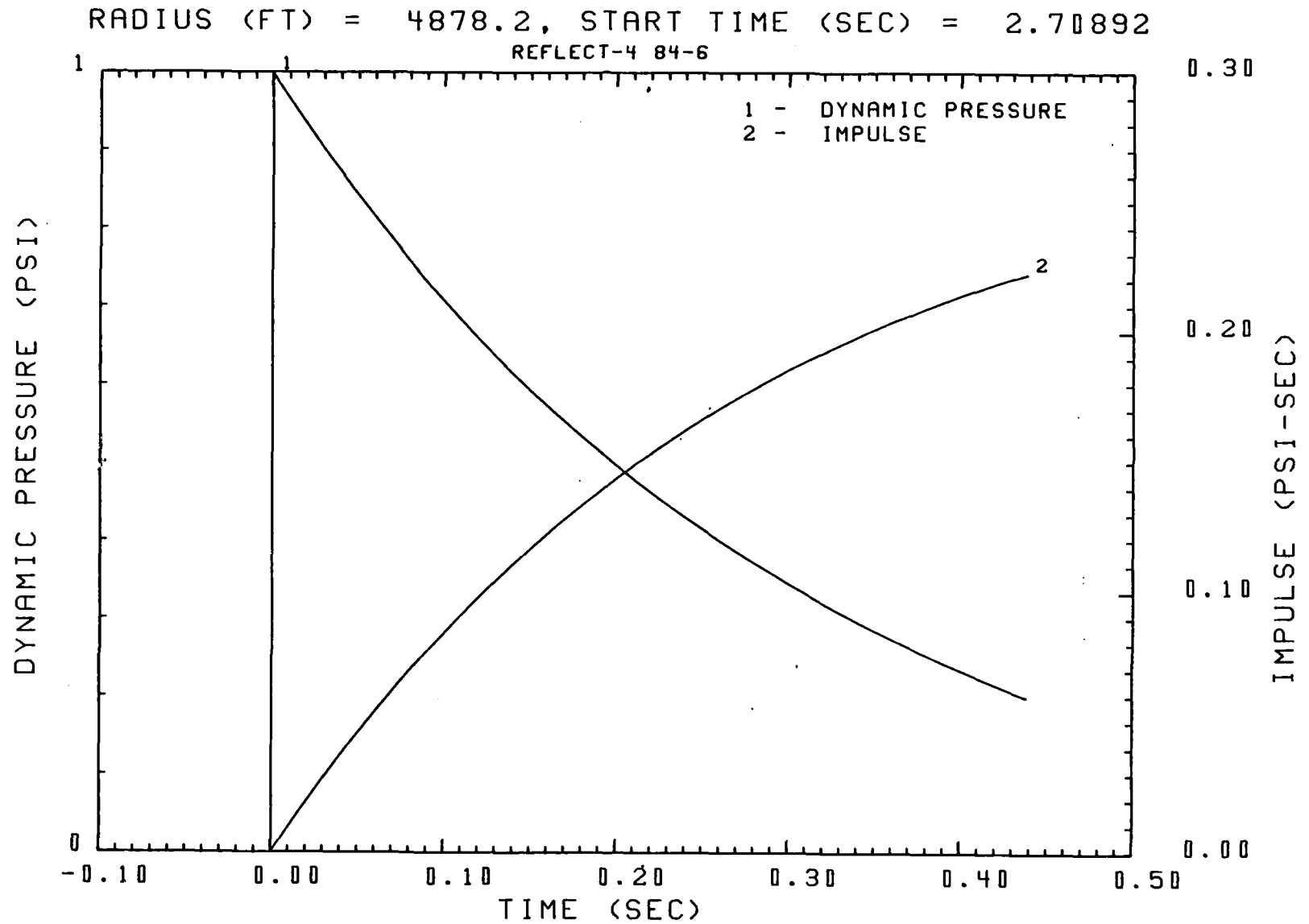

RADIUS (FT) = 3501.1, START TIME (SEC) = 1.70374
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
-1
0
1
2
3
1
2
1
0

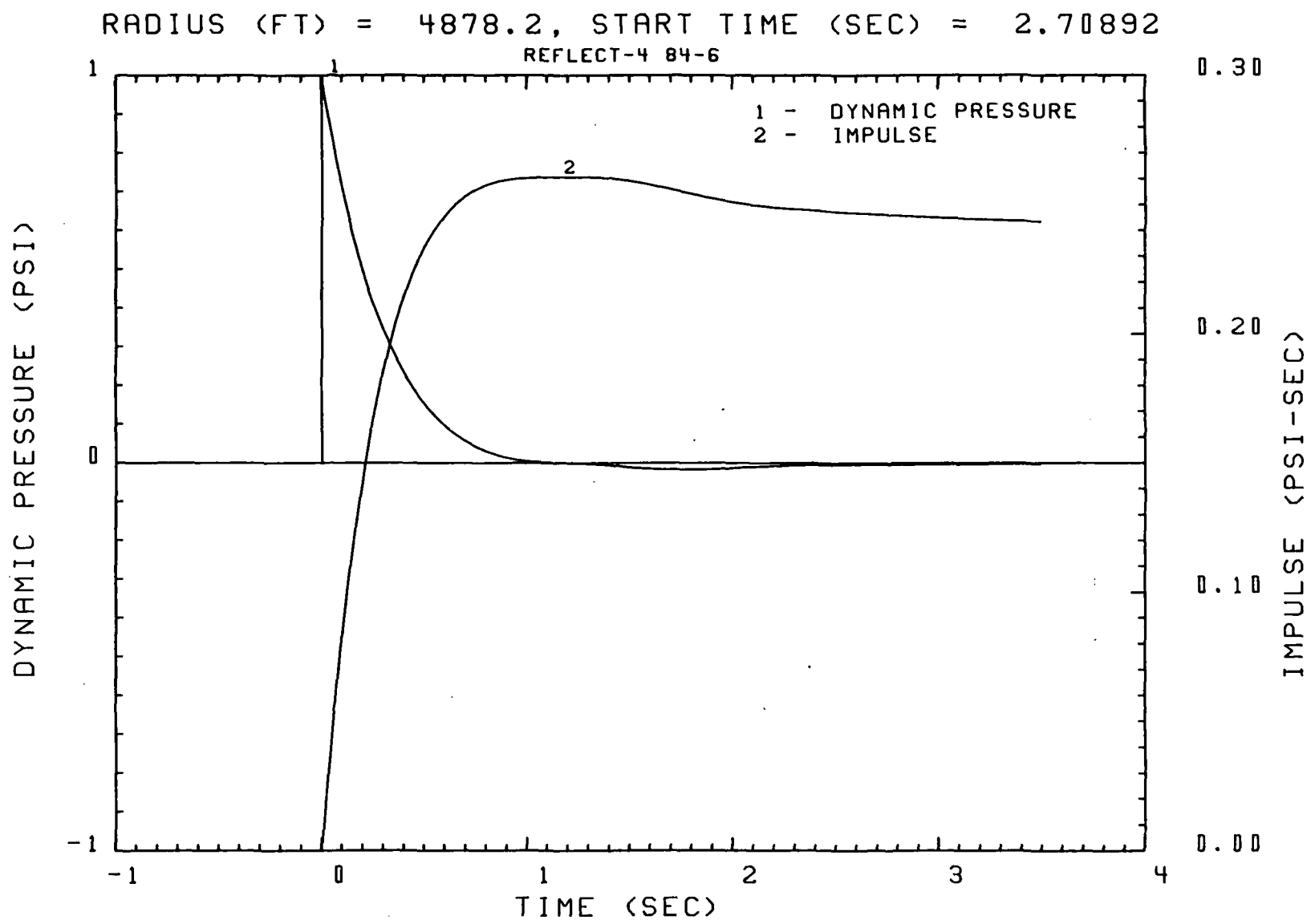

RADIUS (FT) = 3941.8, START TIME (SEC) = 2.01461
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40

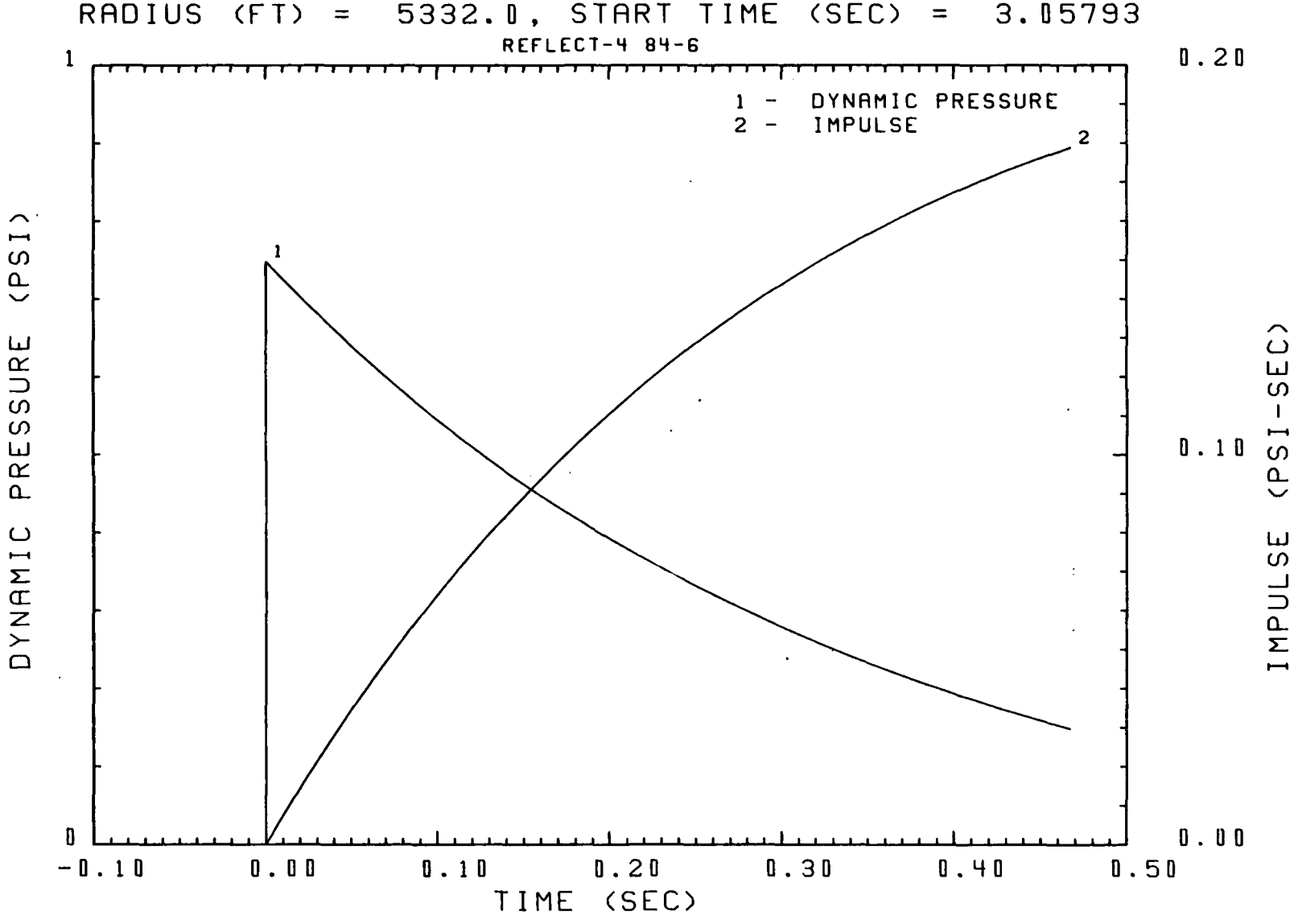

RADIUS (FT) = 3941.8, START TIME (SEC) = 2.01461
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
0.50
0.40
0.30
0.20
0.10
0.00
-1
0
1
2
3
4

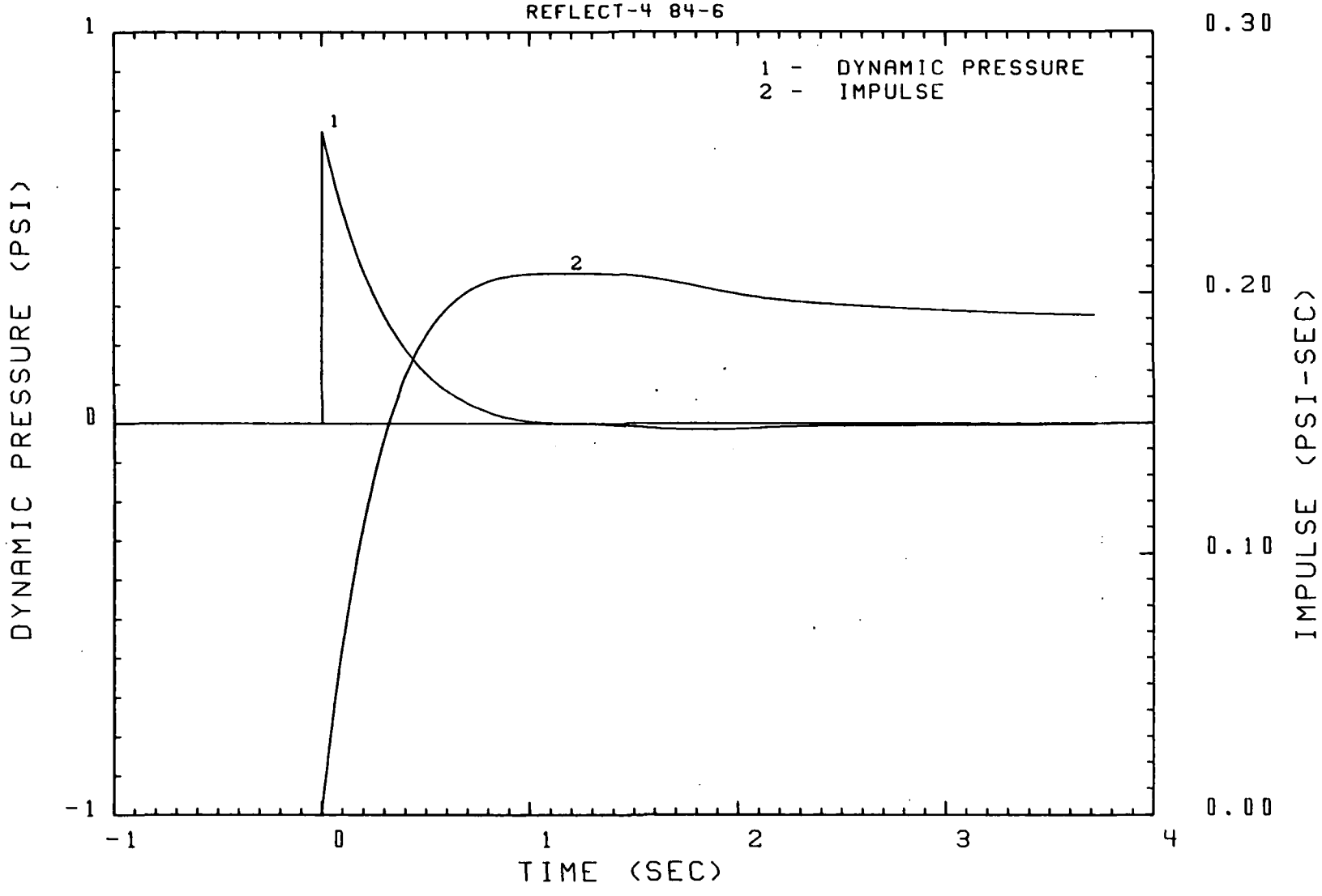

RADIUS (FT) = 4312.2, START TIME (SEC) = 2.28446
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

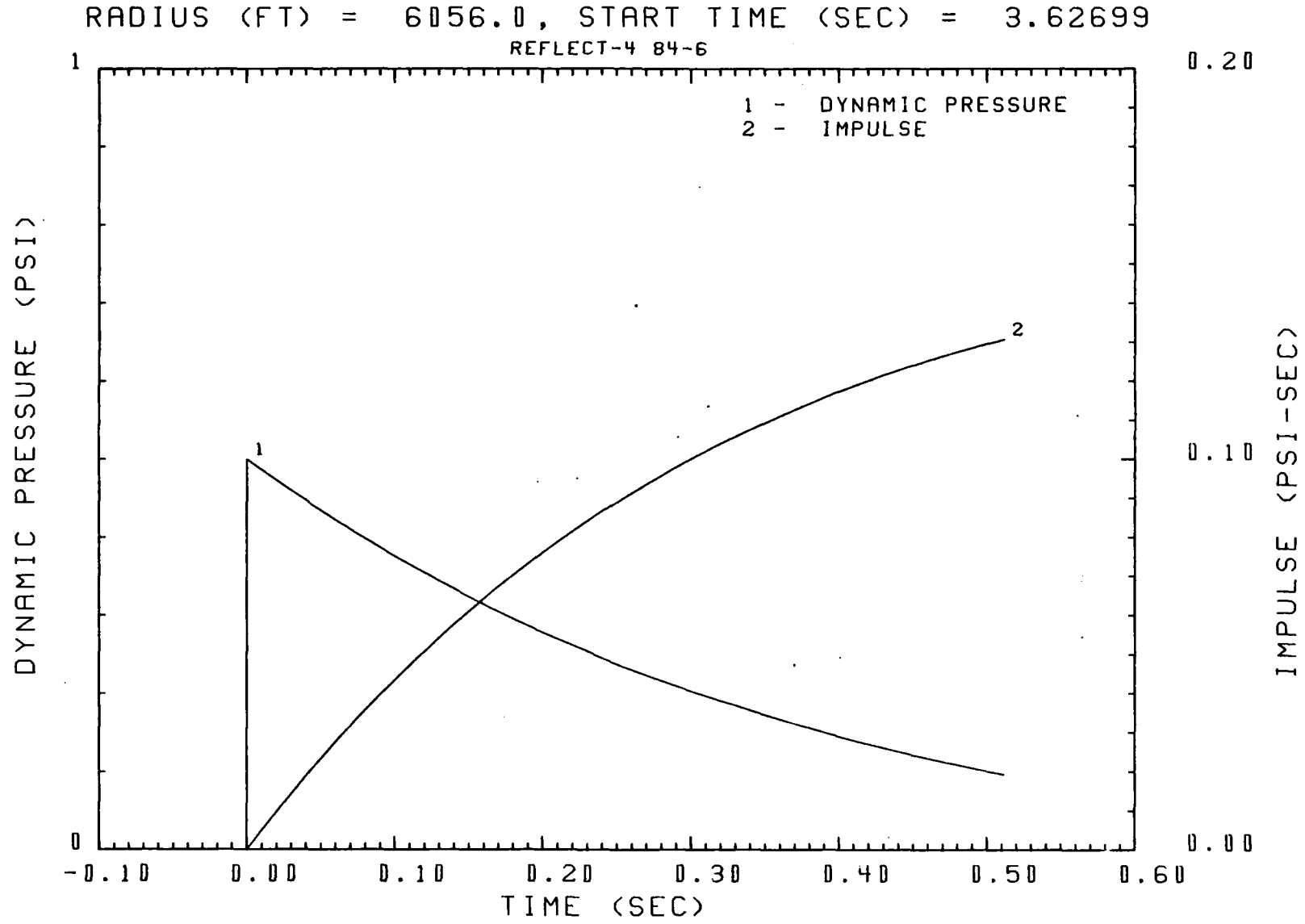

RADIUS (FT) = 4312.2, START TIME (SEC) = 2.28446
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0.40
0.30
0.20
0.10
0.00
-1
0
1
2
3
4

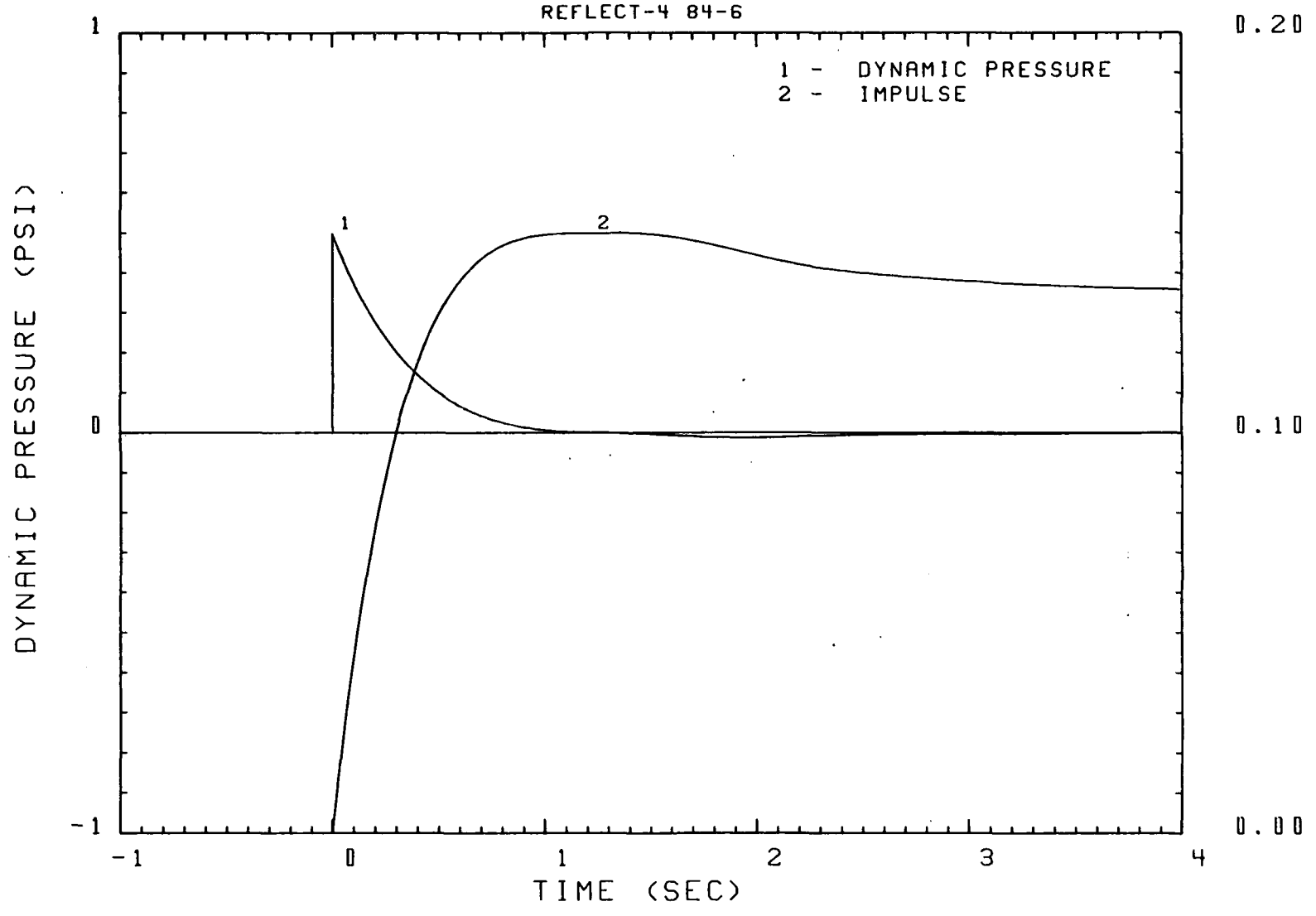

RADIUS (FT) = 4878.2, START TIME (SEC) = 2.70892
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

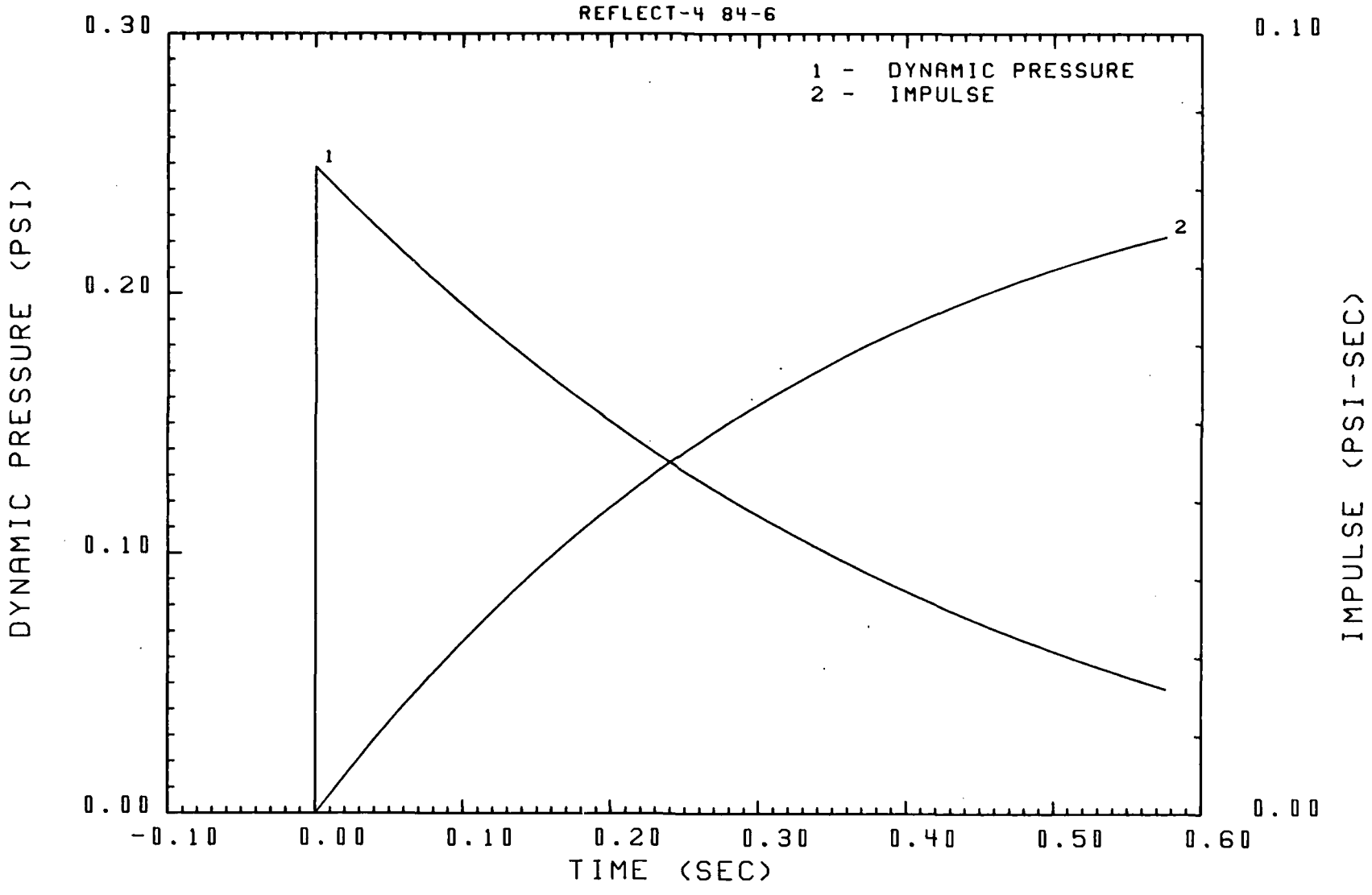

RADIUS (FT) = 4878.2, START TIME (SEC) = 2.70892
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
0.30
0.20
0.10
0.00
-1
0
1
2
3
4

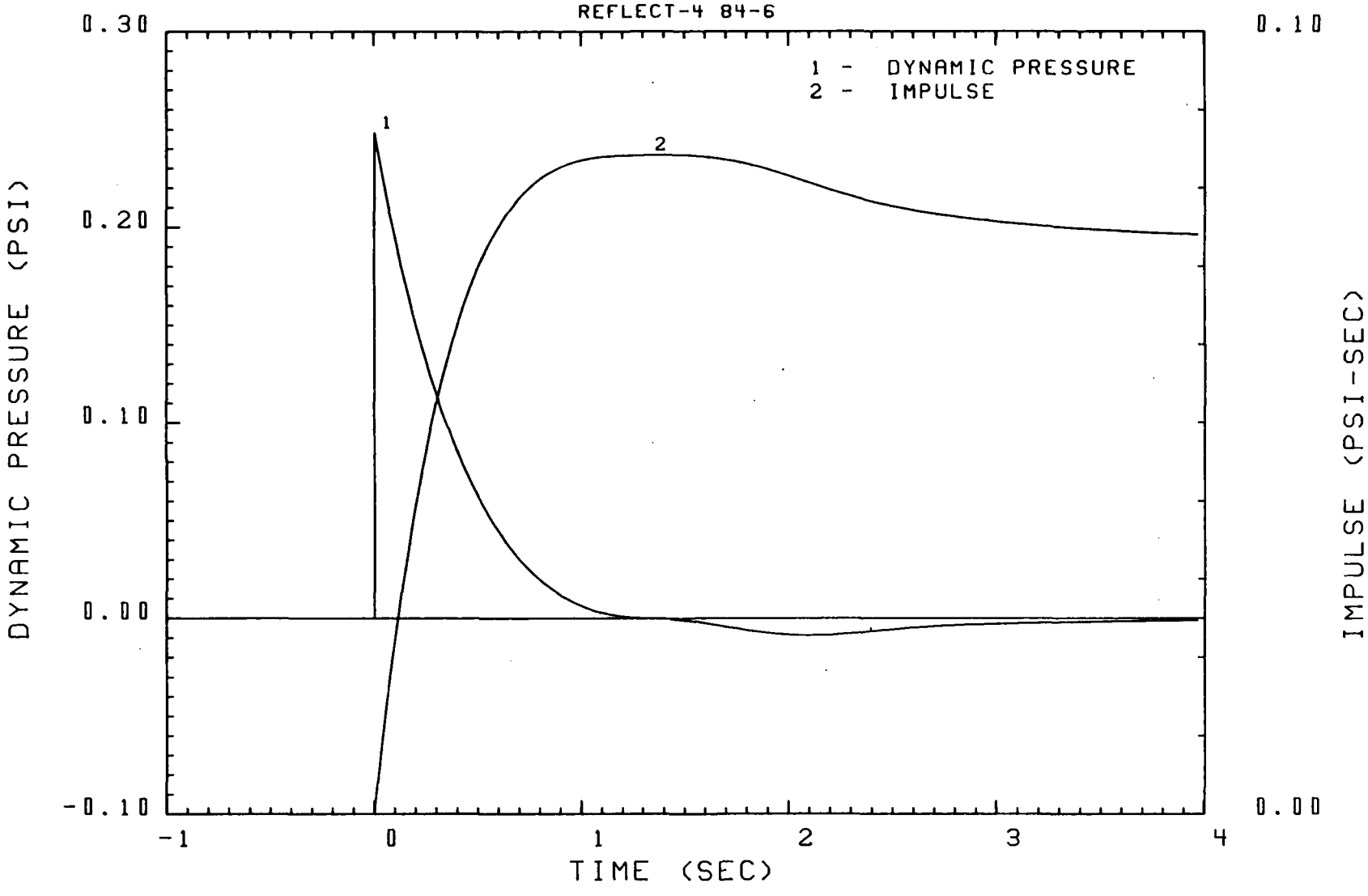

RADIUS (FT) = 5332.0, START TIME (SEC) = 3.05793
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

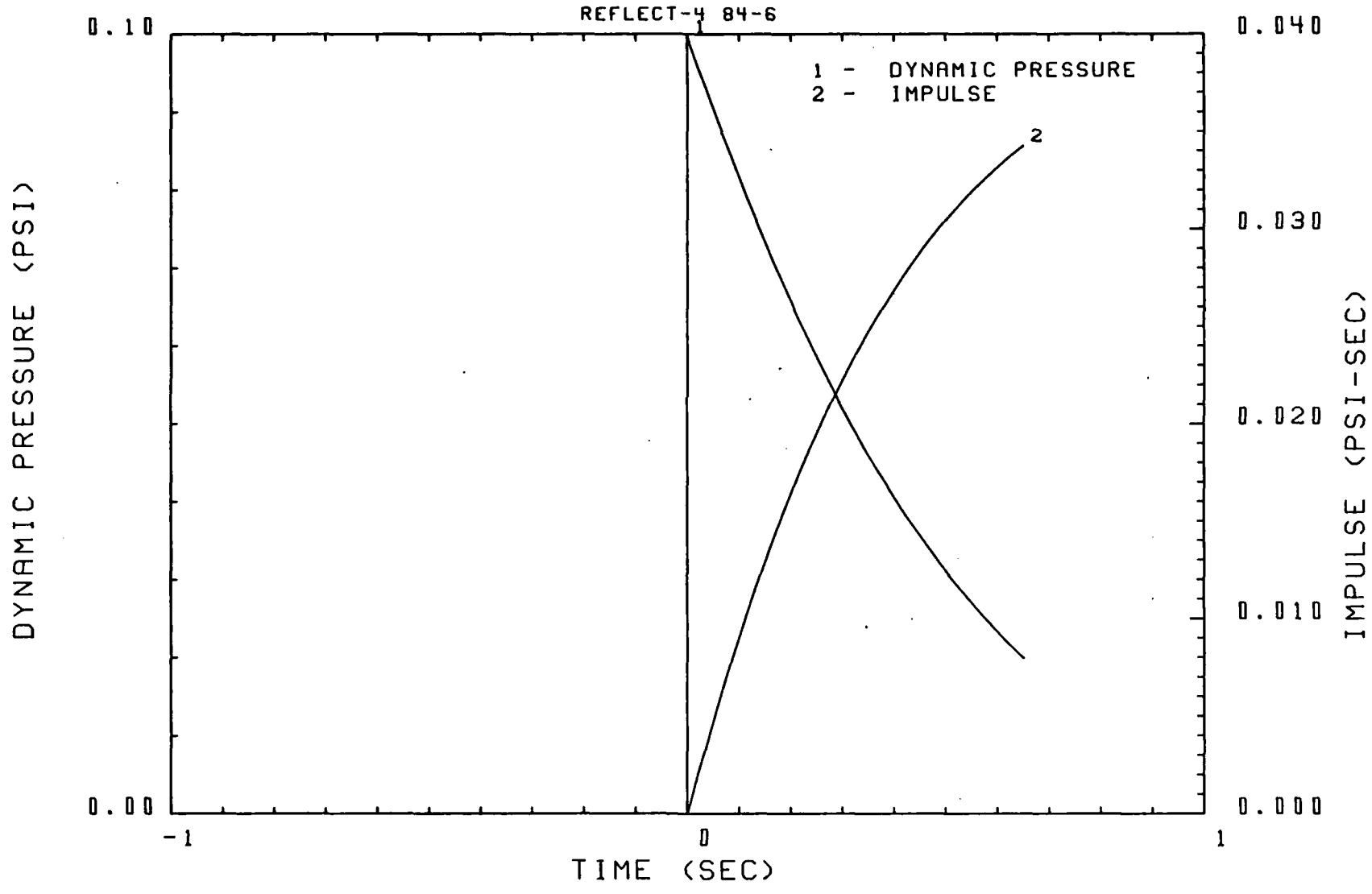

RADIUS (FT) = 5332.0, START TIME (SEC) = 3.05793
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
0.30
0.20
0.10
0.00
-1
0
1
2
3
4

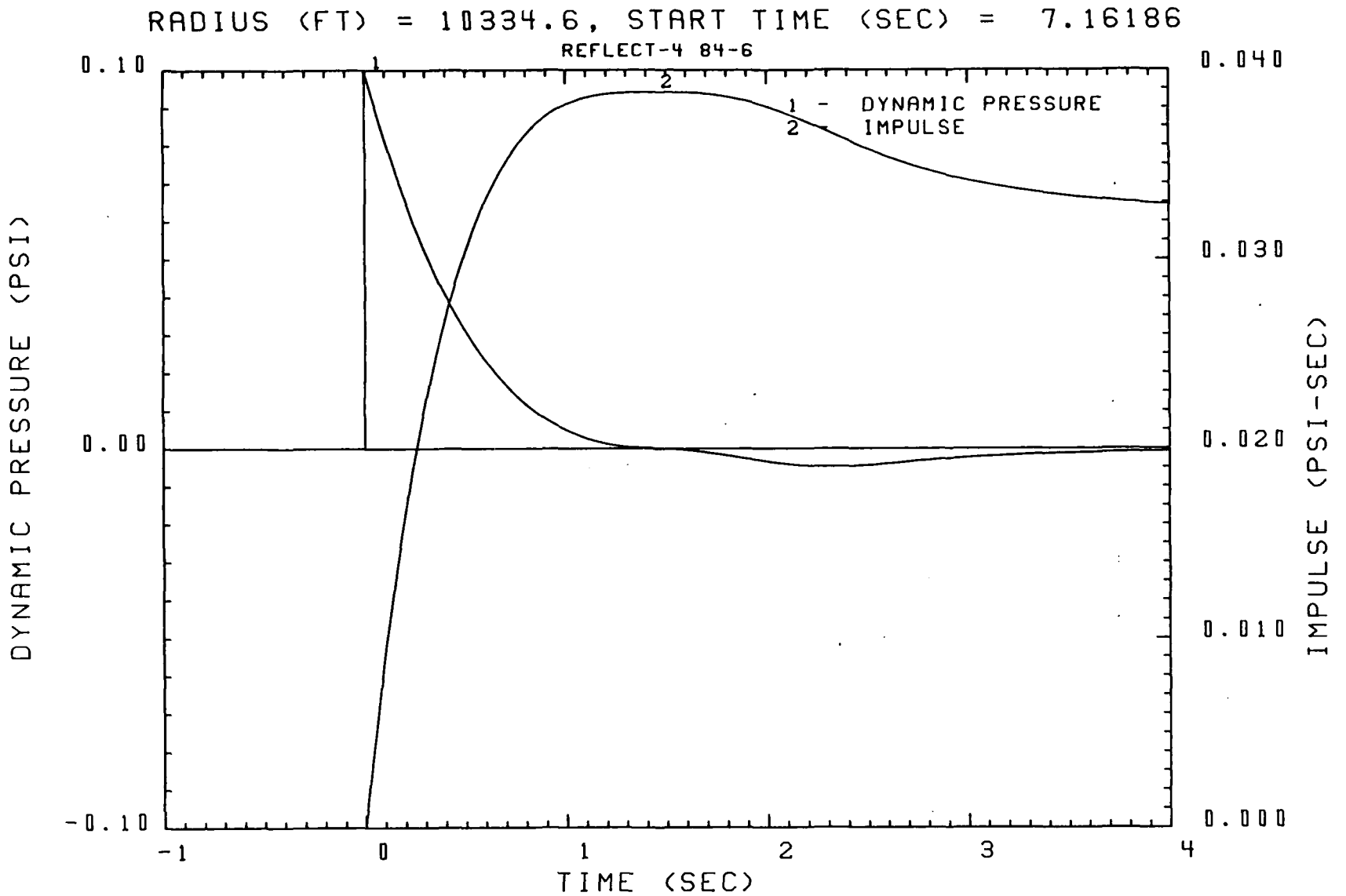

RADIUS (FT) = 6056.0, START TIME (SEC) = 3.62699
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

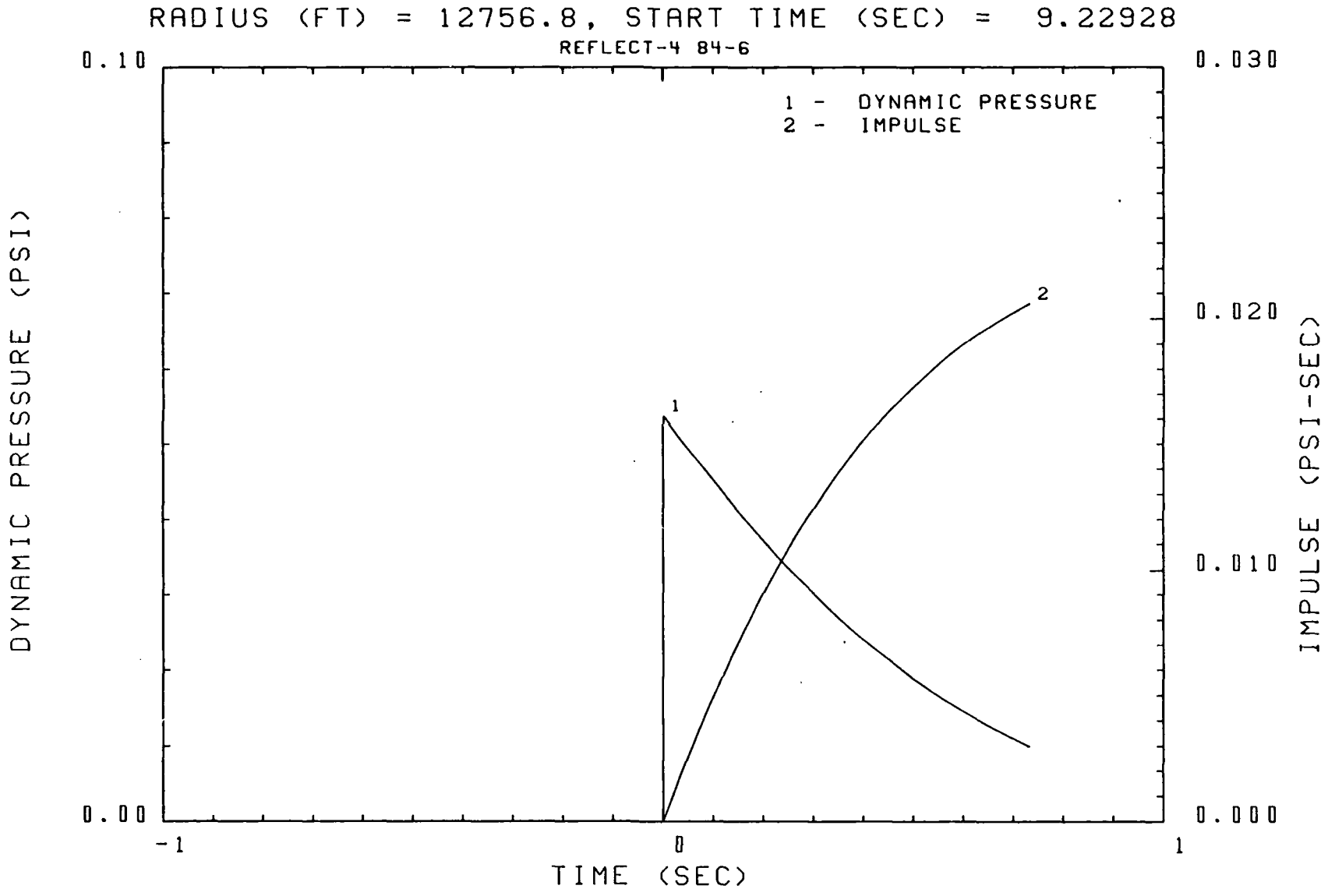

RADIUS (FT) = 6056.0, START TIME (SEC) = 3.62699
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
0.20
0.10
0.00
-1
0
1
2
3
4

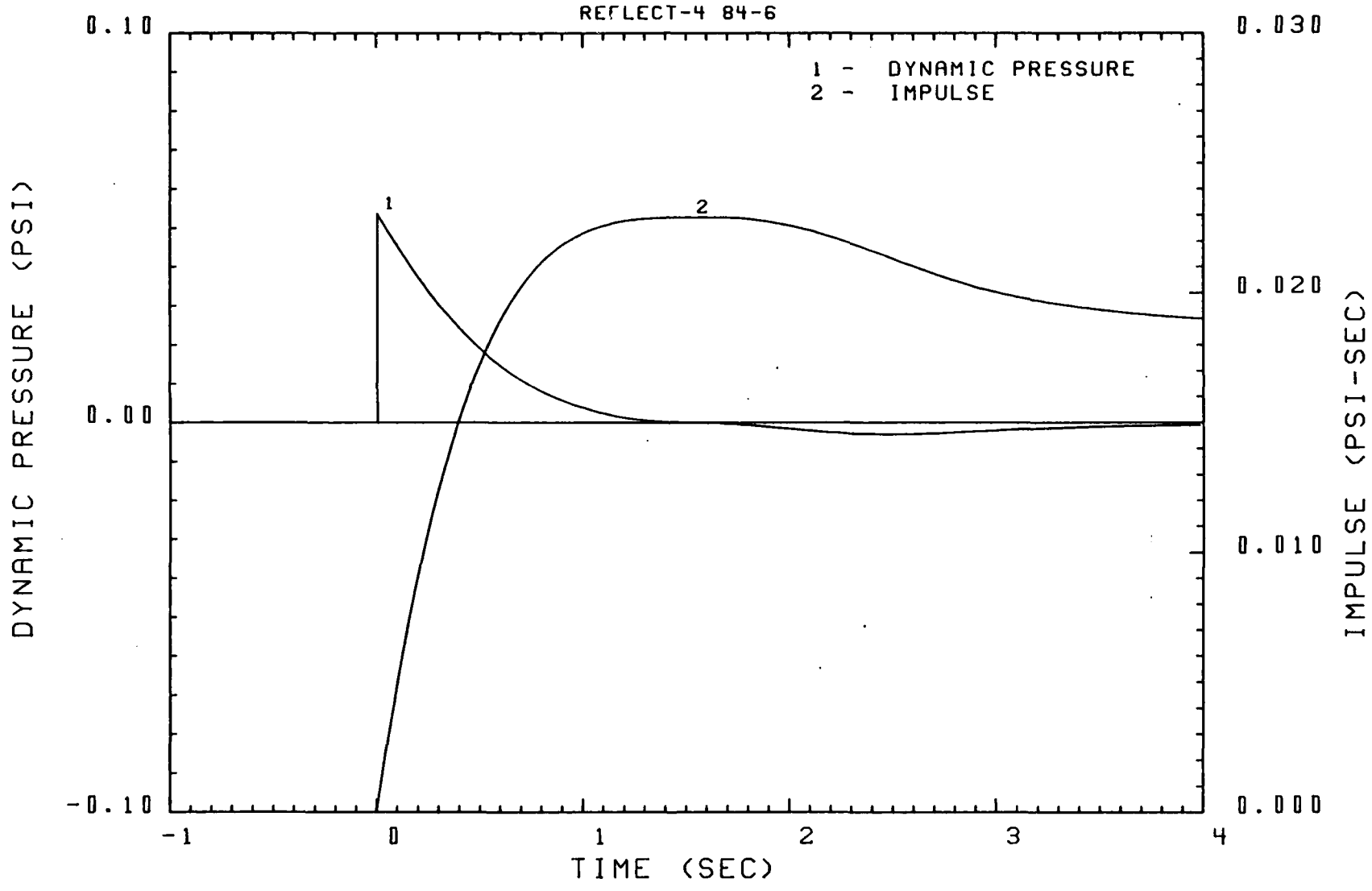

RADIUS (FT) = 7604.0, START TIME (SEC) = 4.87991
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.30
0.20
0.10
0.00
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

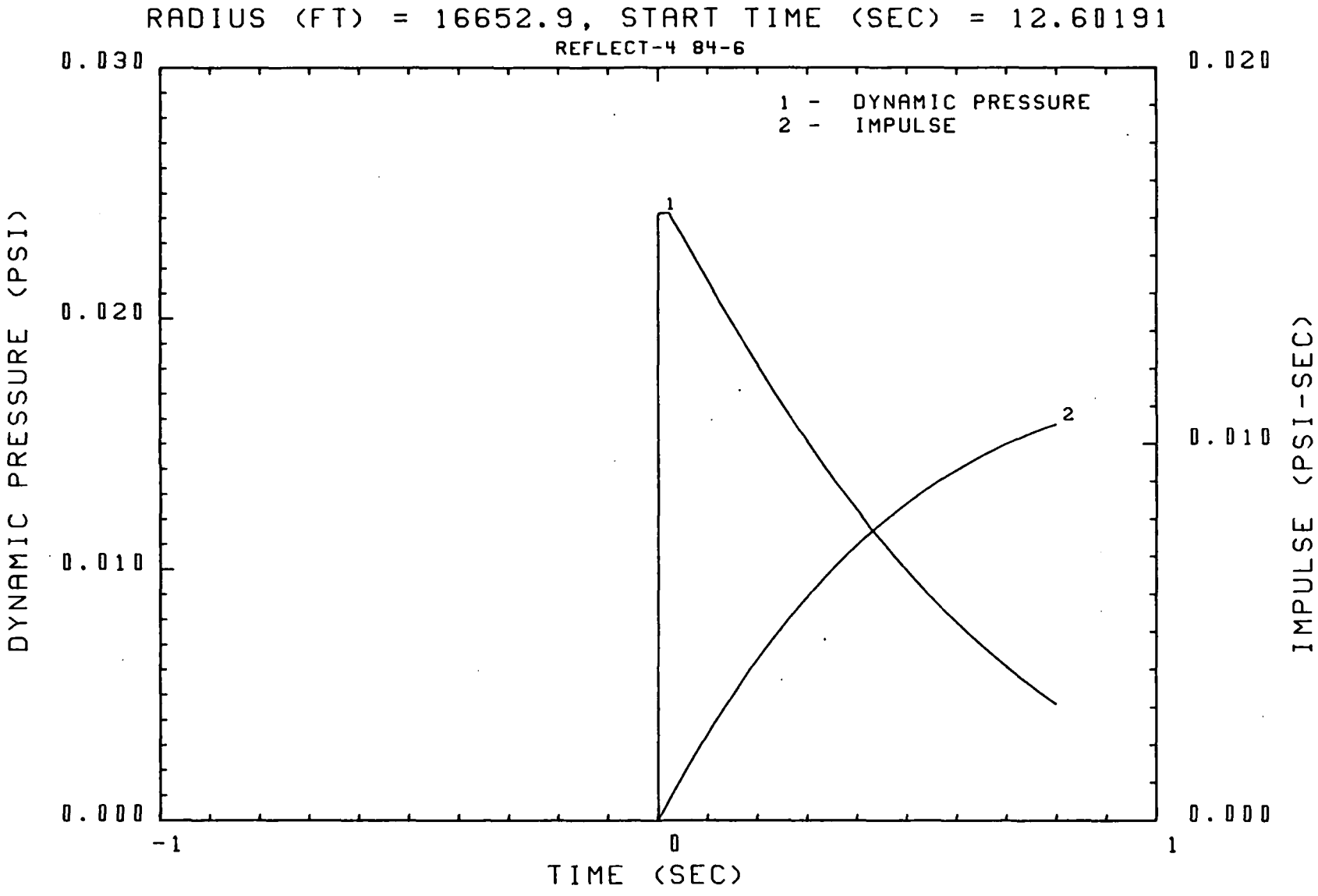

RADIUS (FT) = 7604.0, START TIME (SEC) = 4.87991
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.30
0.20
0.10
0.00
-0.10
0.10
0.00
-1
0
1
2
3
4

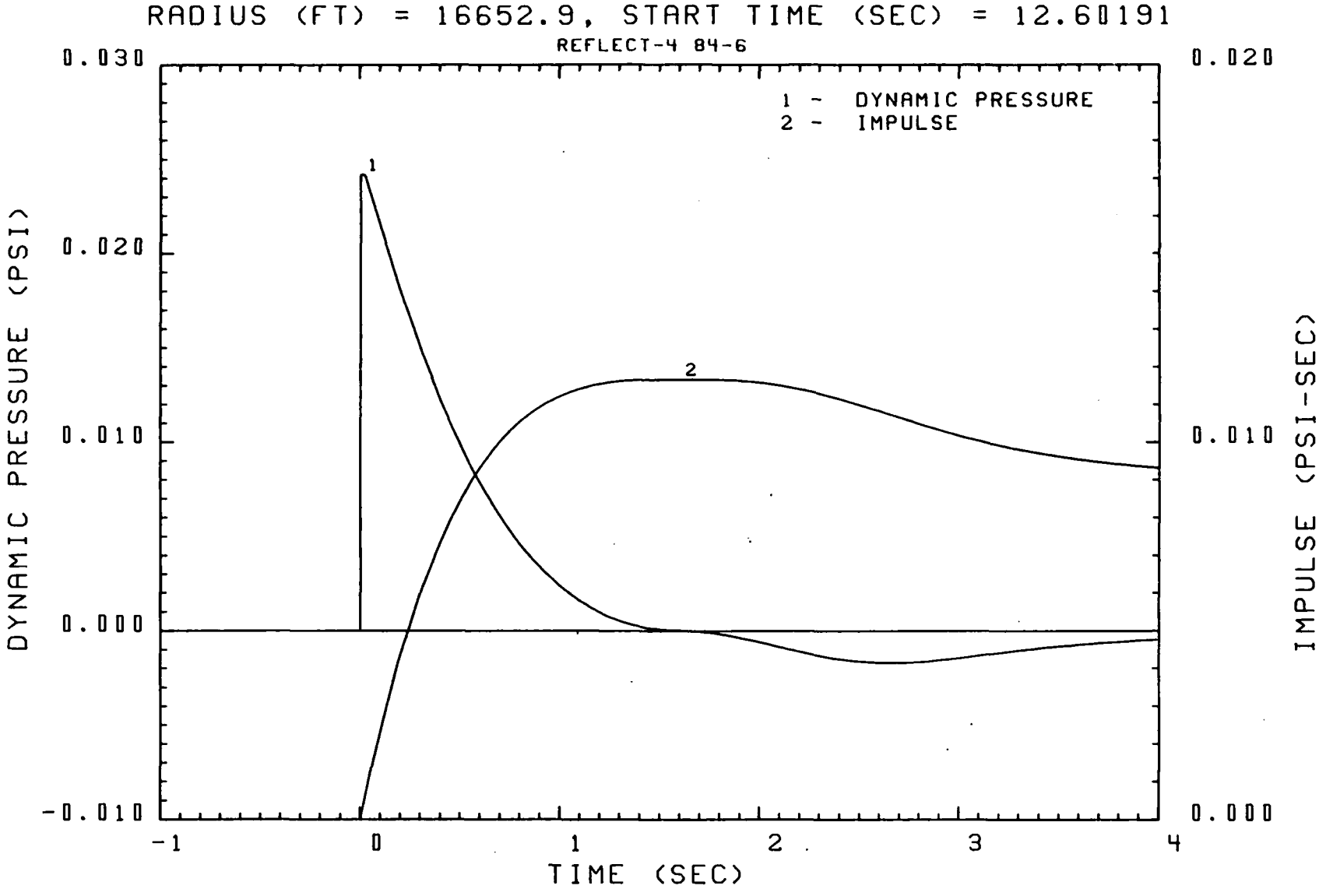

RADIUS (FT) = 10334.6, START TIME (SEC) = 7.16186
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
2
0.10
0.00
0.040
0.030
0.020
0.010
0.000
-1
0
1
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)


RADIUS (FT) = 10334.6, START TIME (SEC) = 7.16186
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.10
0.00
-0.10
0.040
0.030
0.020
0.010
0.000
-1
0
1
2
3
4


RADIUS (FT) = 12756.8, START TIME (SEC) = 9.22928
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
0.10
0.00
0.030
0.020
0.010
0.000
-1
0
1
TIME (SEC)
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
1
2


RADIUS (FT) = 12756.8, START TIME (SEC) = 9.22928
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
0.10
0.00
-0.10
0.030
0.020
0.010
0.000
-1
0
1
2
3
4
TIME (SEC)
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)


RADIUS (FT) = 16652.9, START TIME (SEC) = 12.60191
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
0.030
0.020
0.010
0.000
DYNAMIC PRESSURE (PSI)
0.020
0.010
0.000
IMPULSE (PSI-SEC)
-1
0
1
TIME (SEC)
1
2


RADIUS (FT) = 16652.9, START TIME (SEC) = 12.60191
REFLECT-4 84-6
1 - DYNAMIC PRESSURE
2 - IMPULSE
0.030
0.020
0.010
0.000
-0.010
DYNAMIC PRESSURE (PSI)
0.020
0.010
0.000
IMPULSE (PSI-SEC)
-1
0
1
2
3
4
TIME (SEC)
1
2

APPENDIX B

PRESSURE AND IMPULSE TIME HISTORIES FOR 1710-FT HOB

This appendix presents plotted time histories of ground-level overpressure, dynamic pressure and the corresponding two impulses for a 40-KT nuclear burst at a height of burst of 1710-ft (Case 5 of Table 1), computed by the REFLECT-4 code. Code and run details are described in Volume I.

The data presented are for a composite of several REFLECT-4 code runs which is designated as REFLECT-4 Run 84-8. This run uses the results of REFLECT-4A Run 84-2 and REFLECT-4B run 84-8 (Case 5).

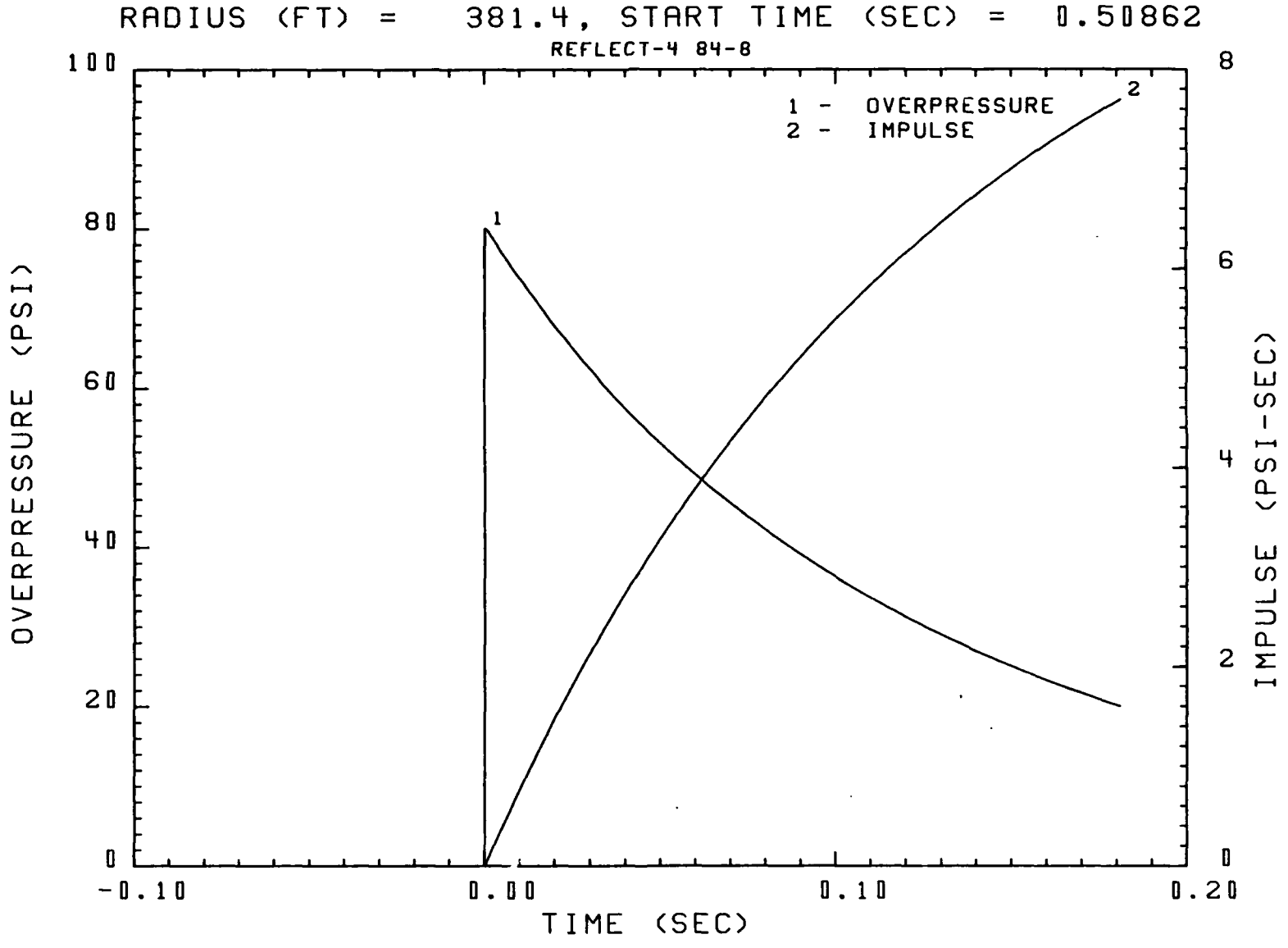
Table 13 indicates the ground ranges and maximum overpressures for which time histories of overpressure and overpressure impulse are presented in Figure 3. Table 14 indicates the ground ranges and maximum dynamic pressures for which time histories of dynamic pressure and dynamic pressure impulse are presented in Figure 4. Time history plots are presented for two time scales, one shorter than the positive duration and the other considerably longer.*

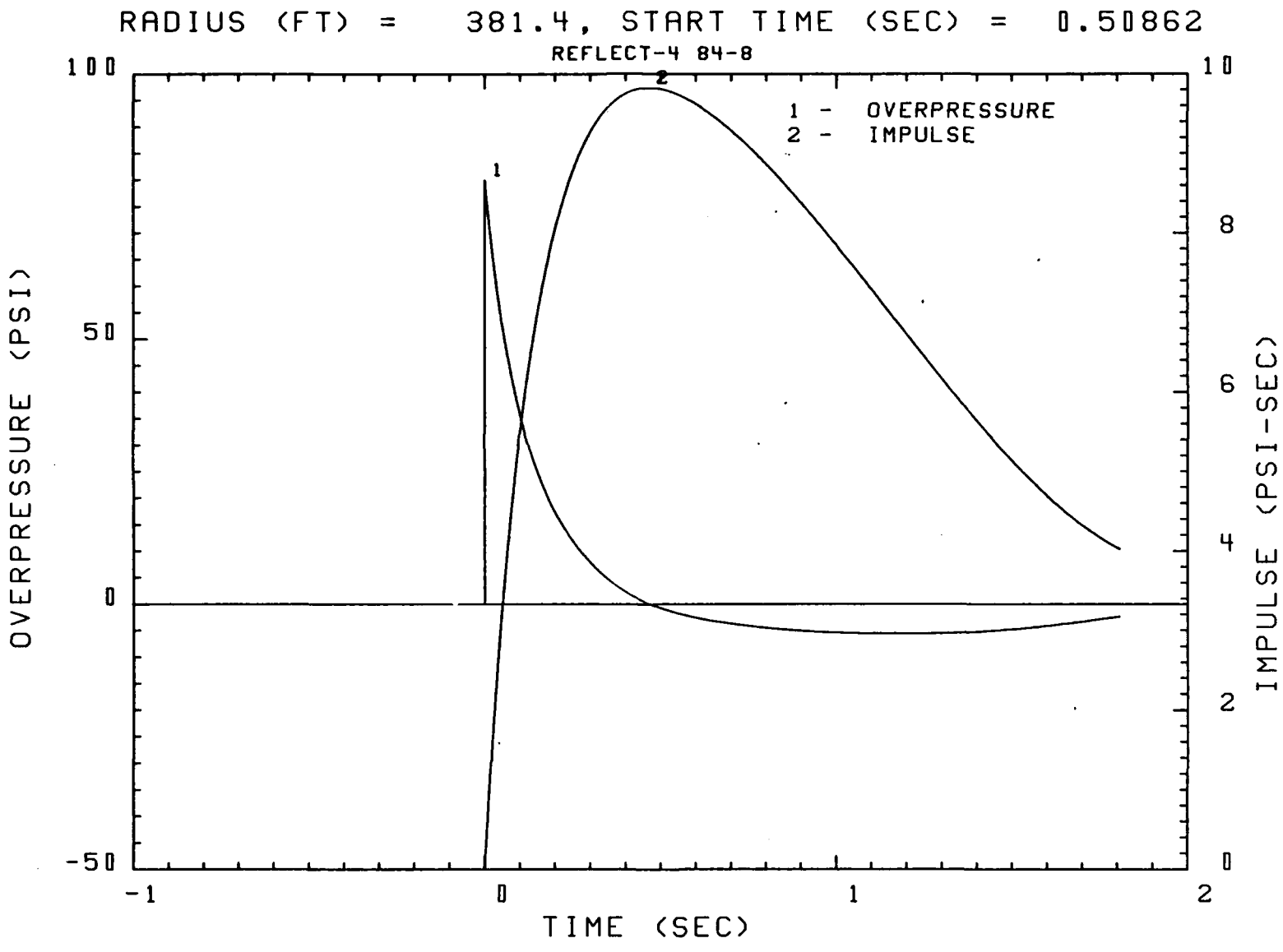
*Short numerical steps associated with rezoning changes in the REFLECT-4B code may be observed in the dynamic pressure time histories of this report for ranges between 1768.7 and 2258.3 feet at the switching times of 0.976, 1.046 and 1.503 seconds.

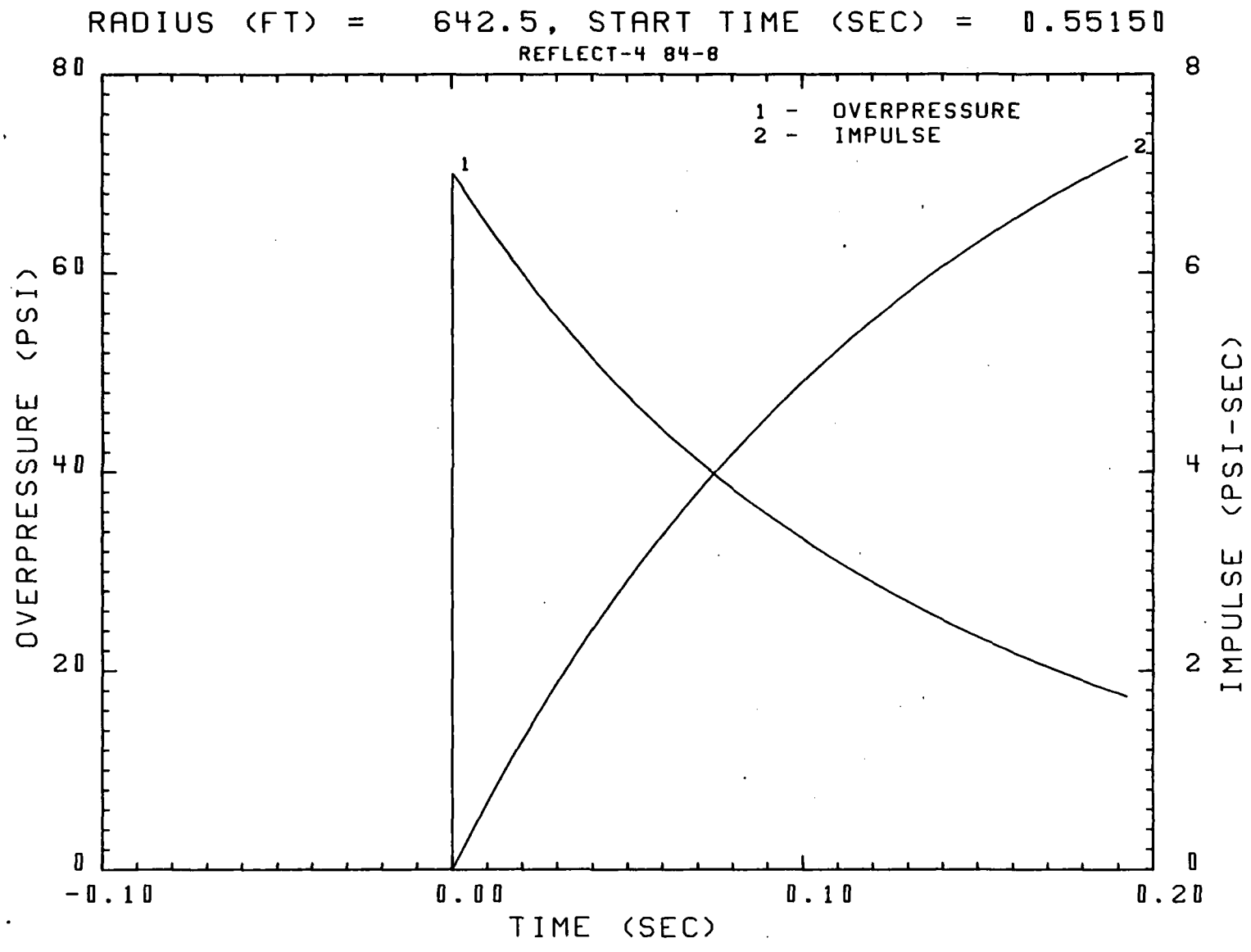
Table 13. Ground range and maximum overpressure for overpressure plots for 1710-ft HOB.

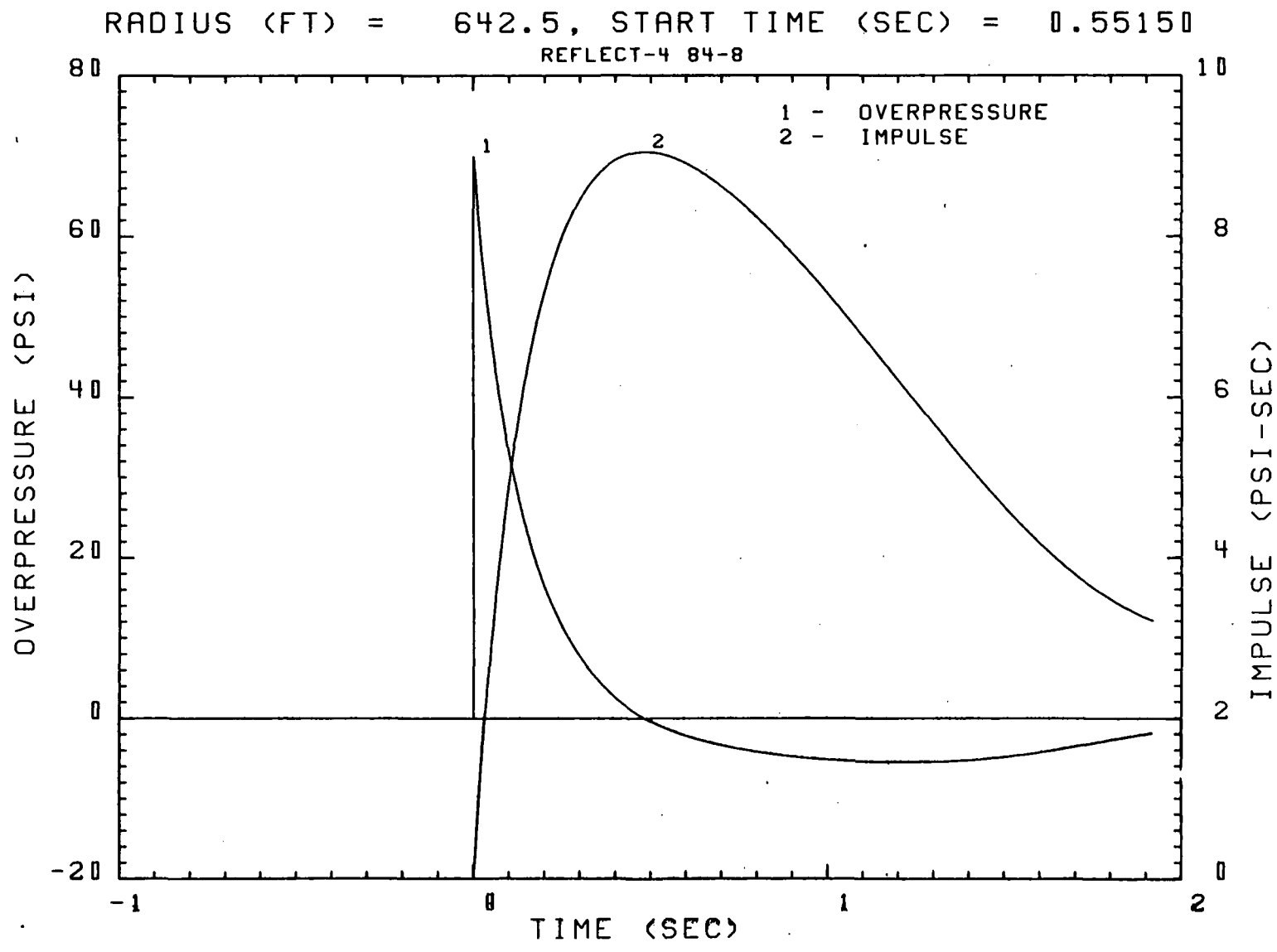
Range (ft)	Maximum Overpressure (psi)
381.4	80.0
642.5	70.0
880.9	60.0
1155.2	50.1
1326.8	45.0
1486.7	42.5
1568.8	42.5
1643.5	45.0
1680.3	49.6
1706.4	45.0
1822.7	40.0
2169.2	30.1
2761.2	20.0
3273.5	15.0
4168.5	10.0
4431.6	9.0
4745.3	8.0
5137.2	7.0
5638.9	6.0
6311.6	5.0
7248.7	4.0
8693.9	3.0
11297.1	2.0
13622.8	1.5
17810.7	1.0

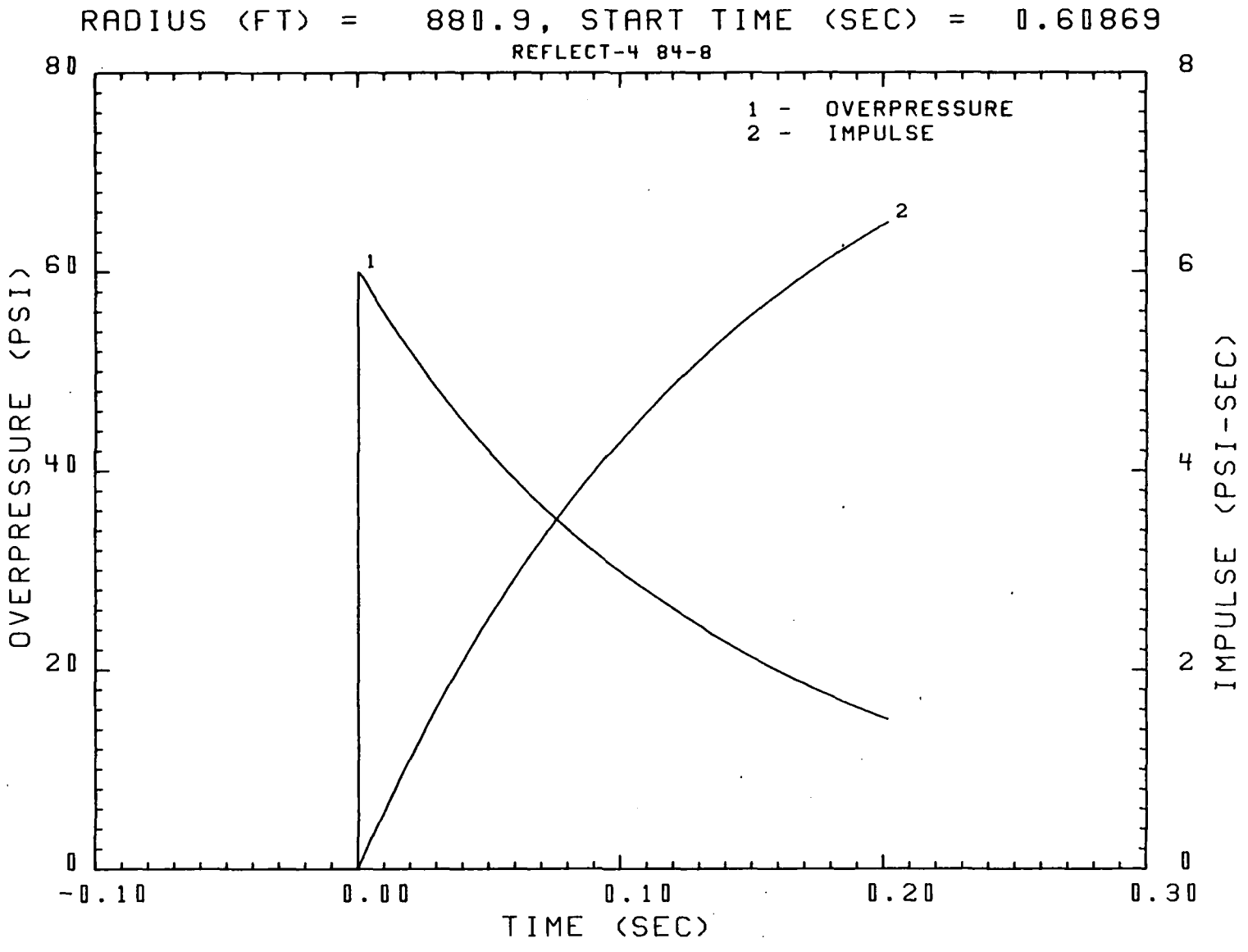
Figure 3. Overpressure and impulse time histories for 1710-ft HOB.

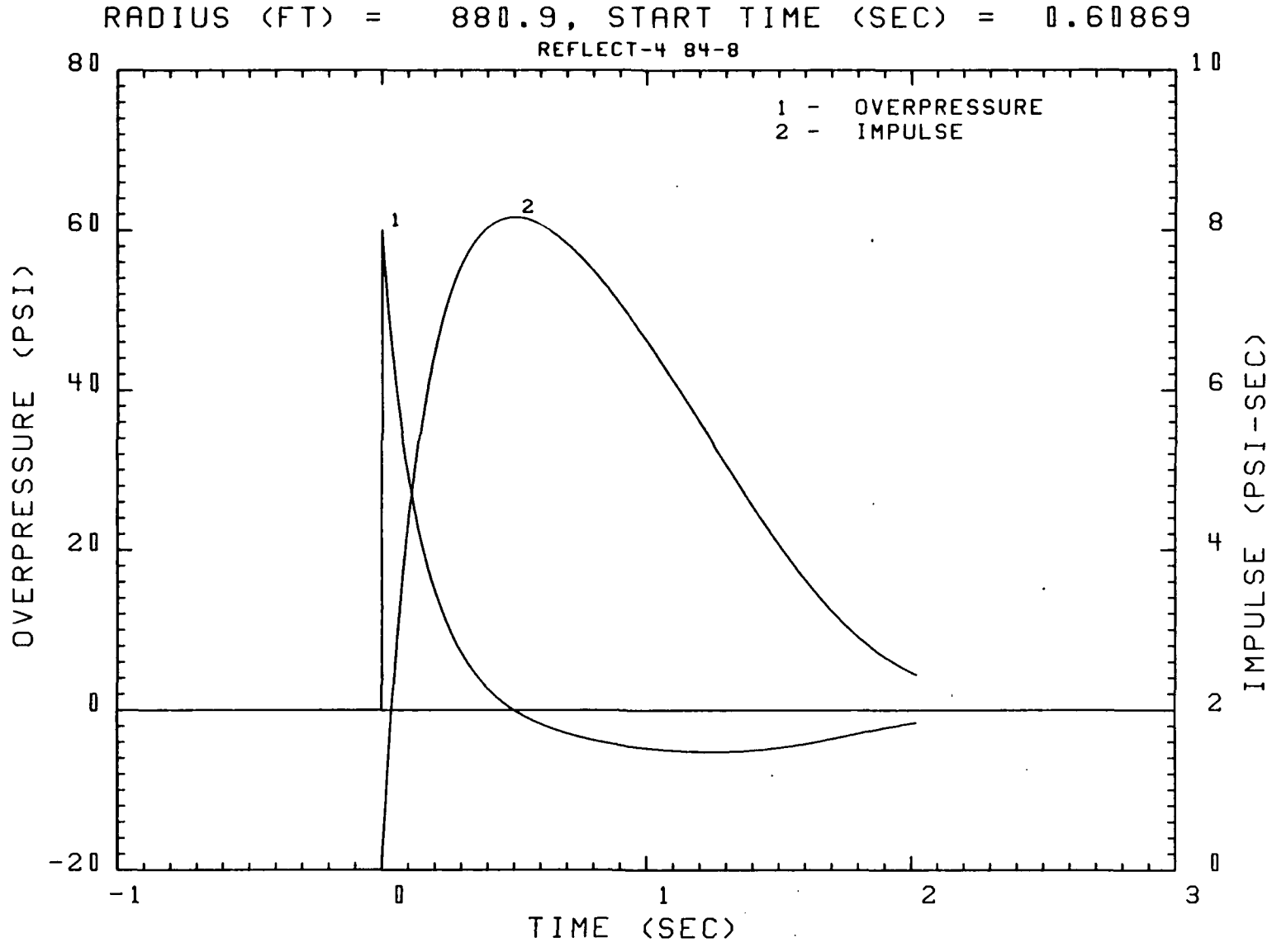

RADIUS (FT) = 381.4, START TIME (SEC) = 0.50862
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
80
60
40
20
0
8
6
4
2
0
-0.10
0.00
0.10
0.20
1
2

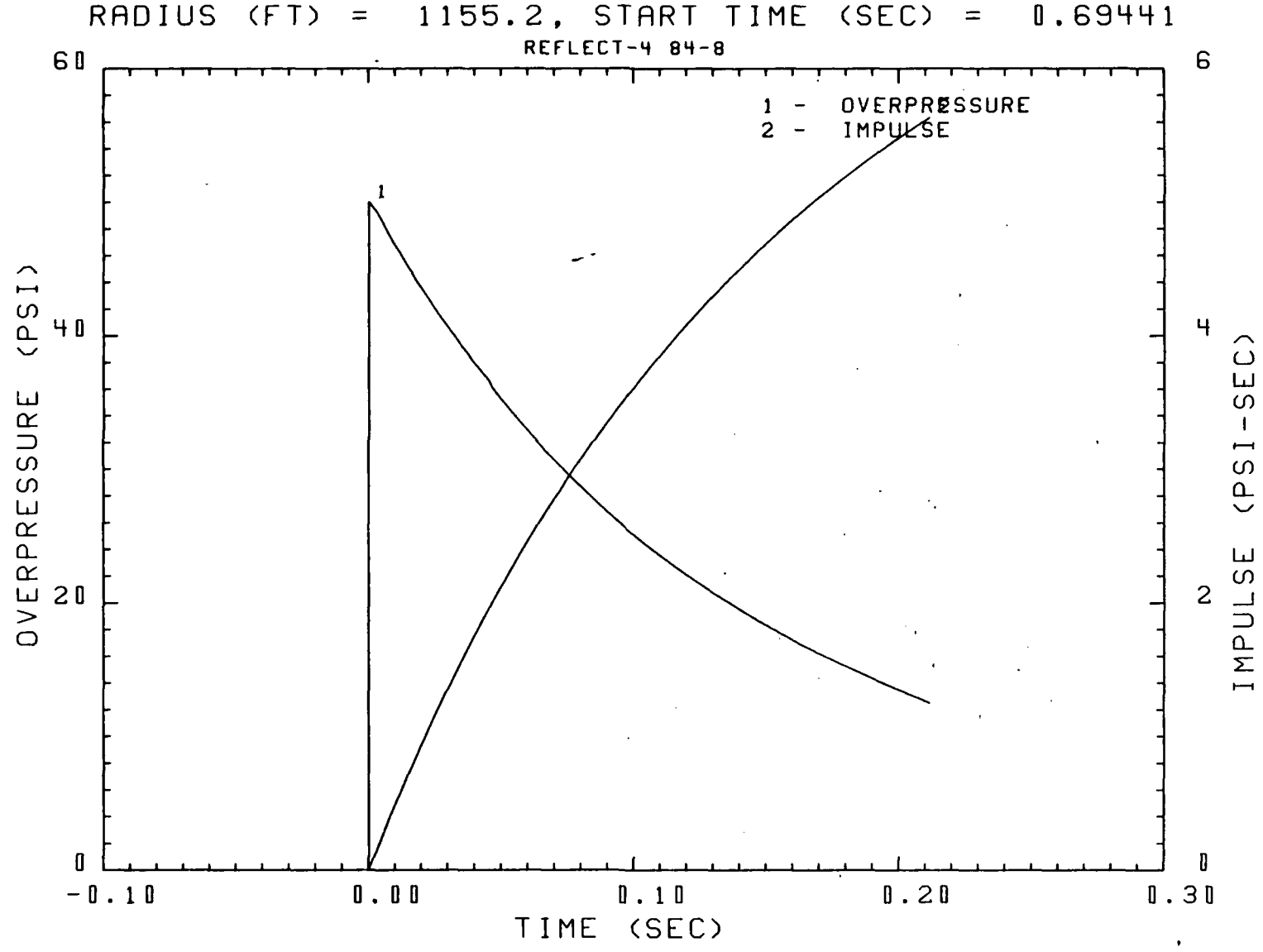

RADIUS (FT) = 381.4, START TIME (SEC) = 0.50862
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
100
50
0
-50
10
8
6
4
2
0
-1
0
1
2

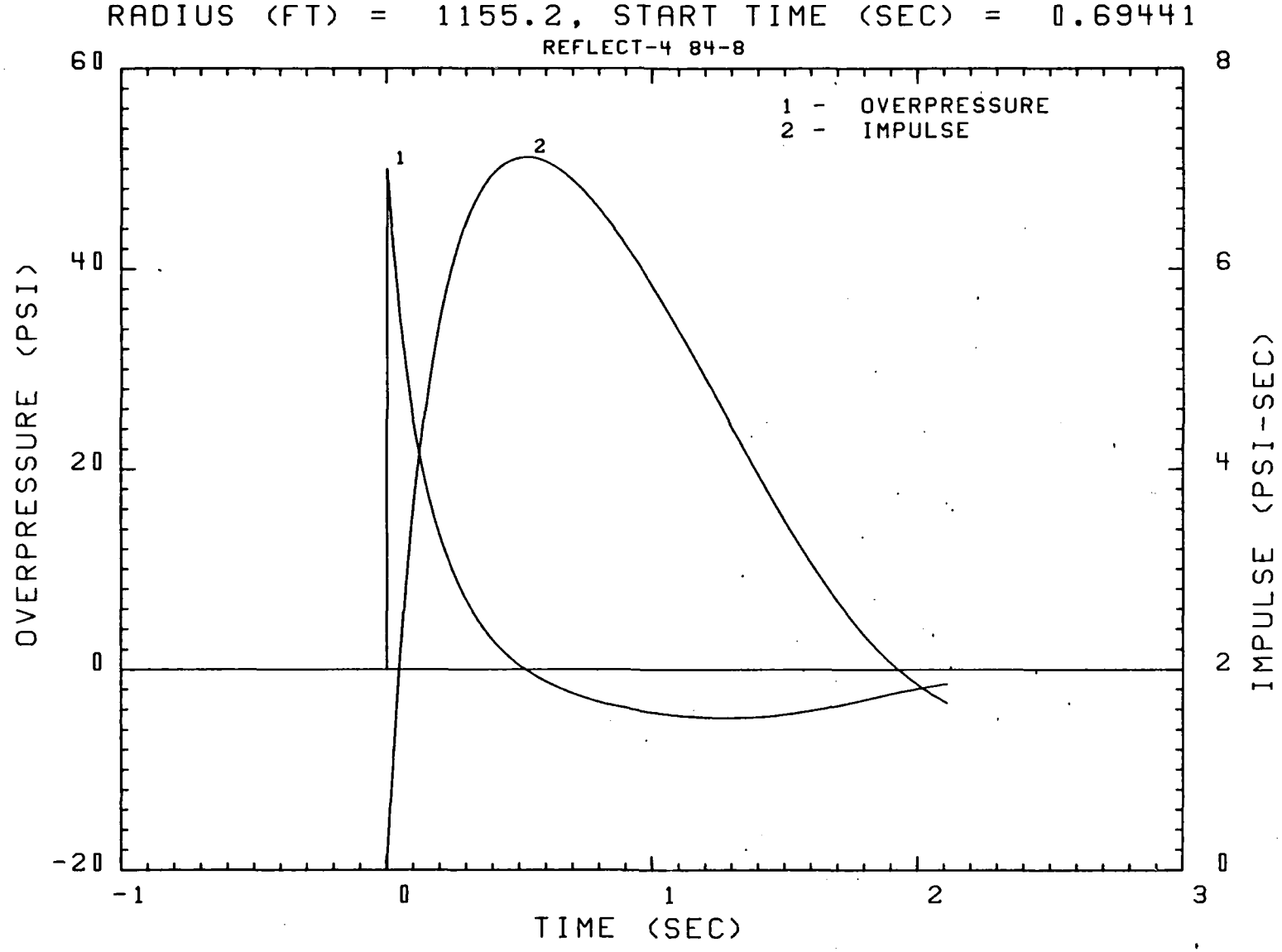

RADIUS (FT) = 642.5, START TIME (SEC) = 0.55150
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
8
6
4
2
0
-0.10
0.00
0.10
0.20
1
2

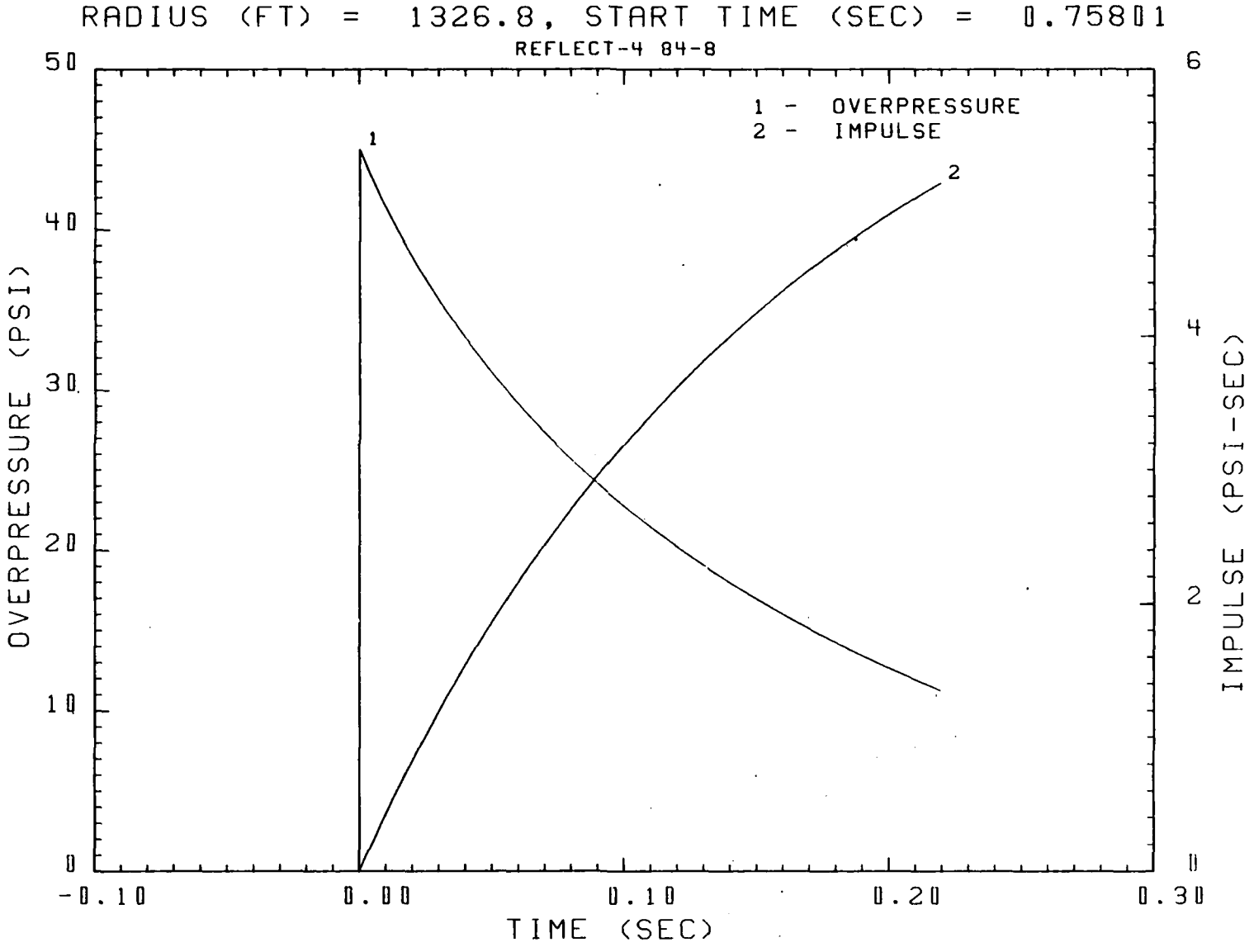

RADIUS (FT) = 642.5, START TIME (SEC) = 0.55150
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
1
2
80
60
40
20
0
-20
10
8
6
4
2
0
-1
0
1
2
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)

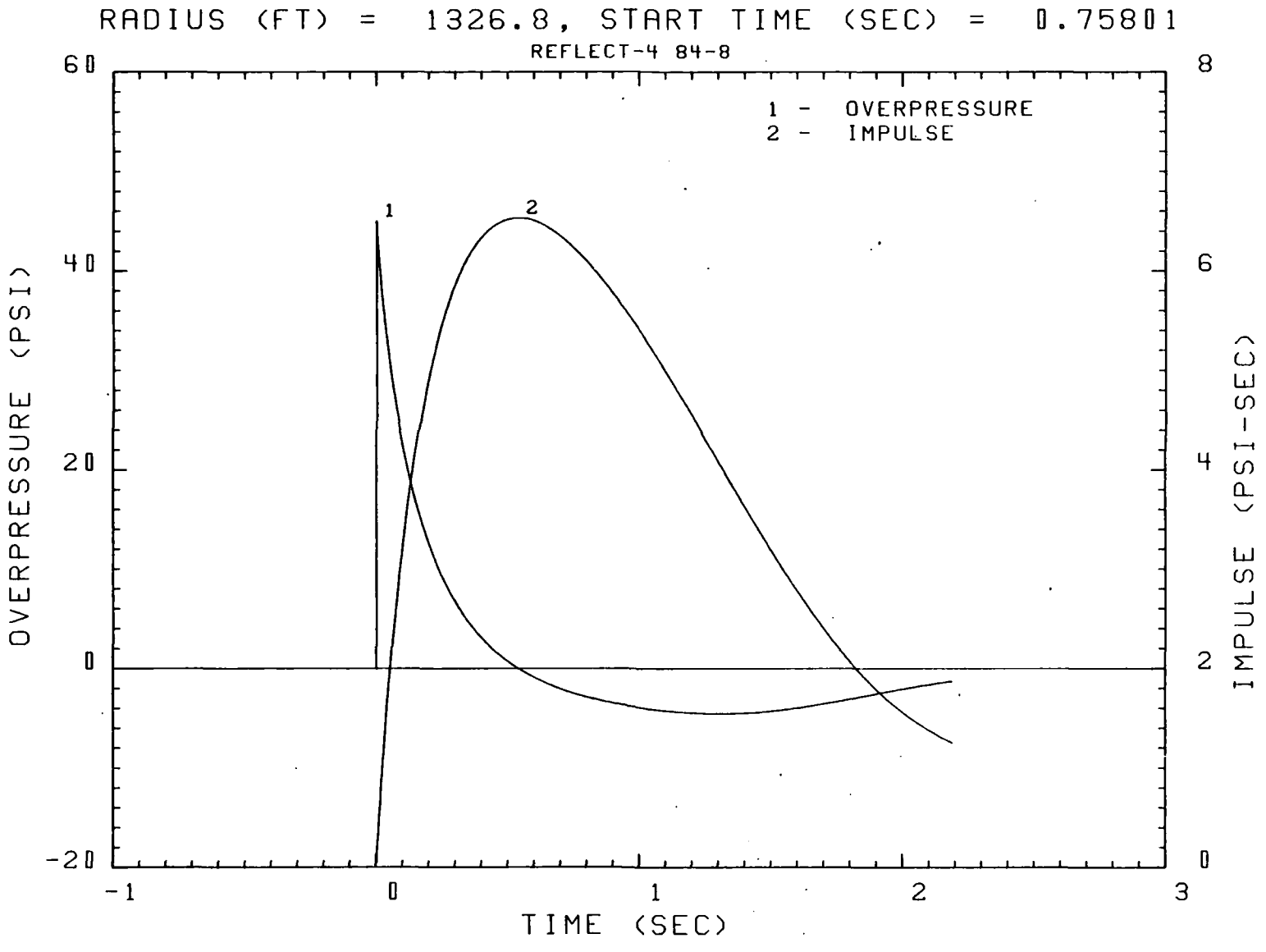

RADIUS (FT) = 880.9, START TIME (SEC) = 0.60869
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
8
6
4
2
0
-0.10
0.00
0.10
0.20
0.30
1
2

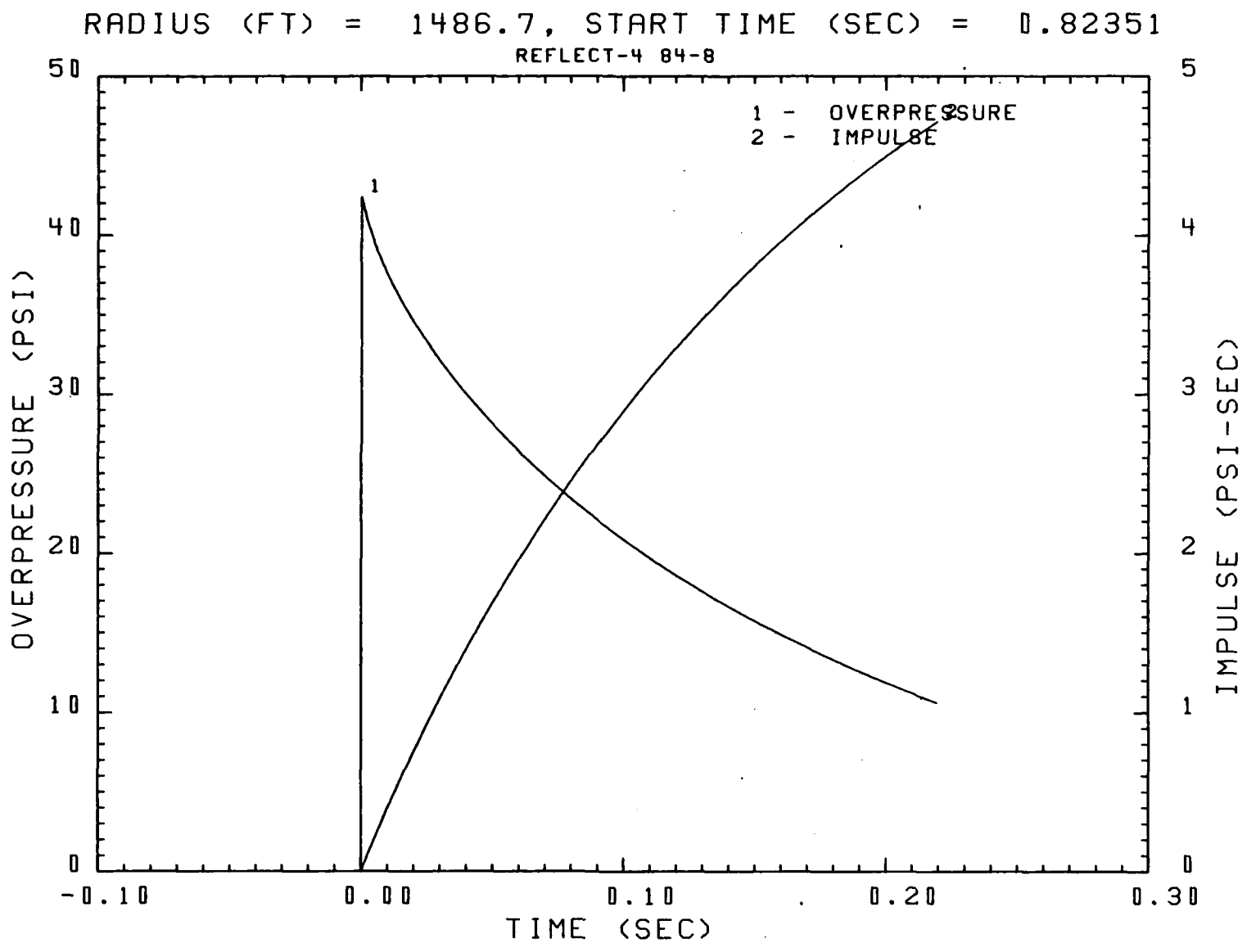

RADIUS (FT) = 880.9, START TIME (SEC) = 0.60869
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
80
60
40
20
0
-20
10
8
6
4
2
0
-1
0
1
2
3

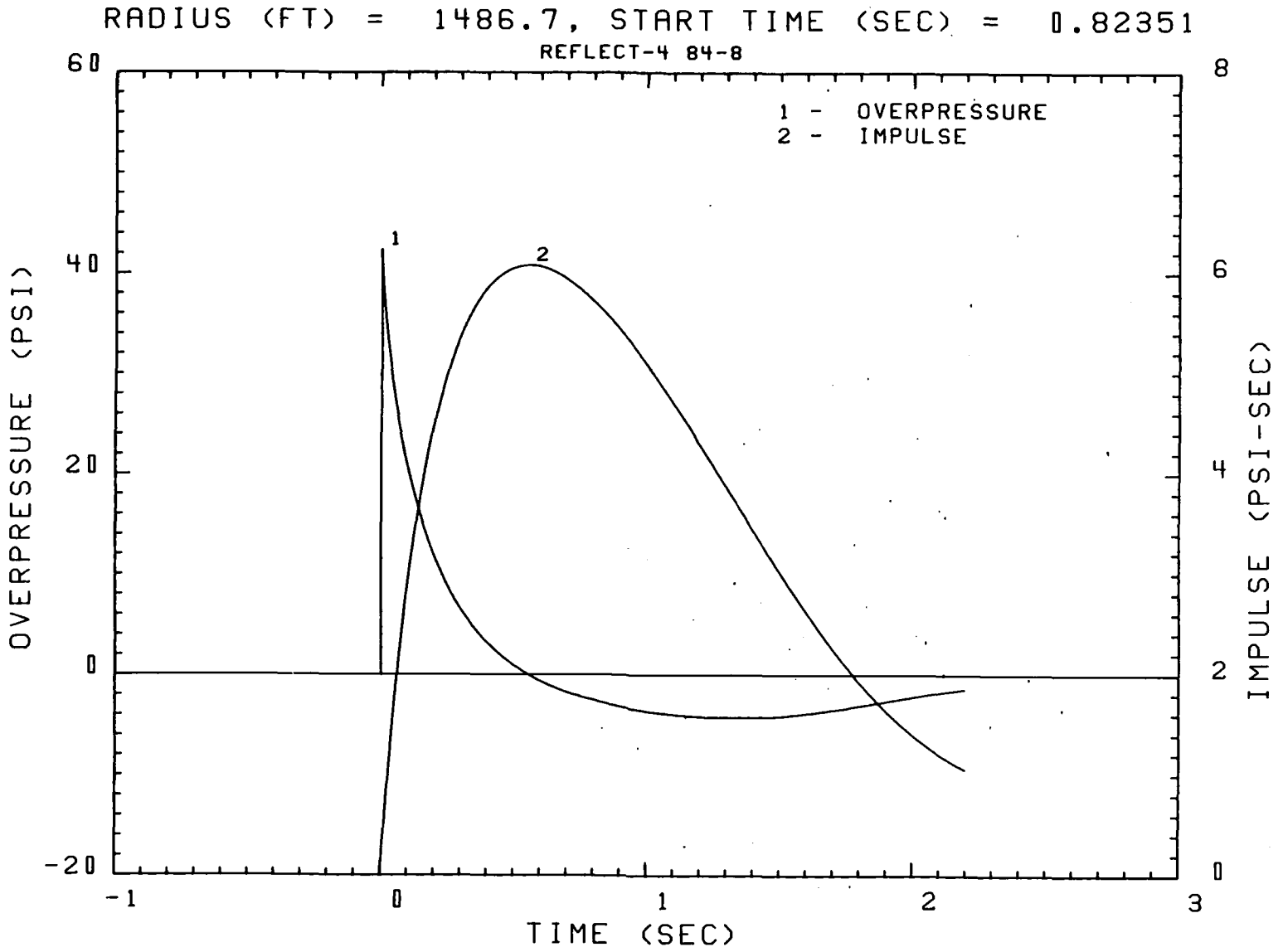

RADIUS (FT) = 1155.2, START TIME (SEC) = 0.69441
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
6
4
2
0
-0.10
0.00
0.10
0.20
0.30

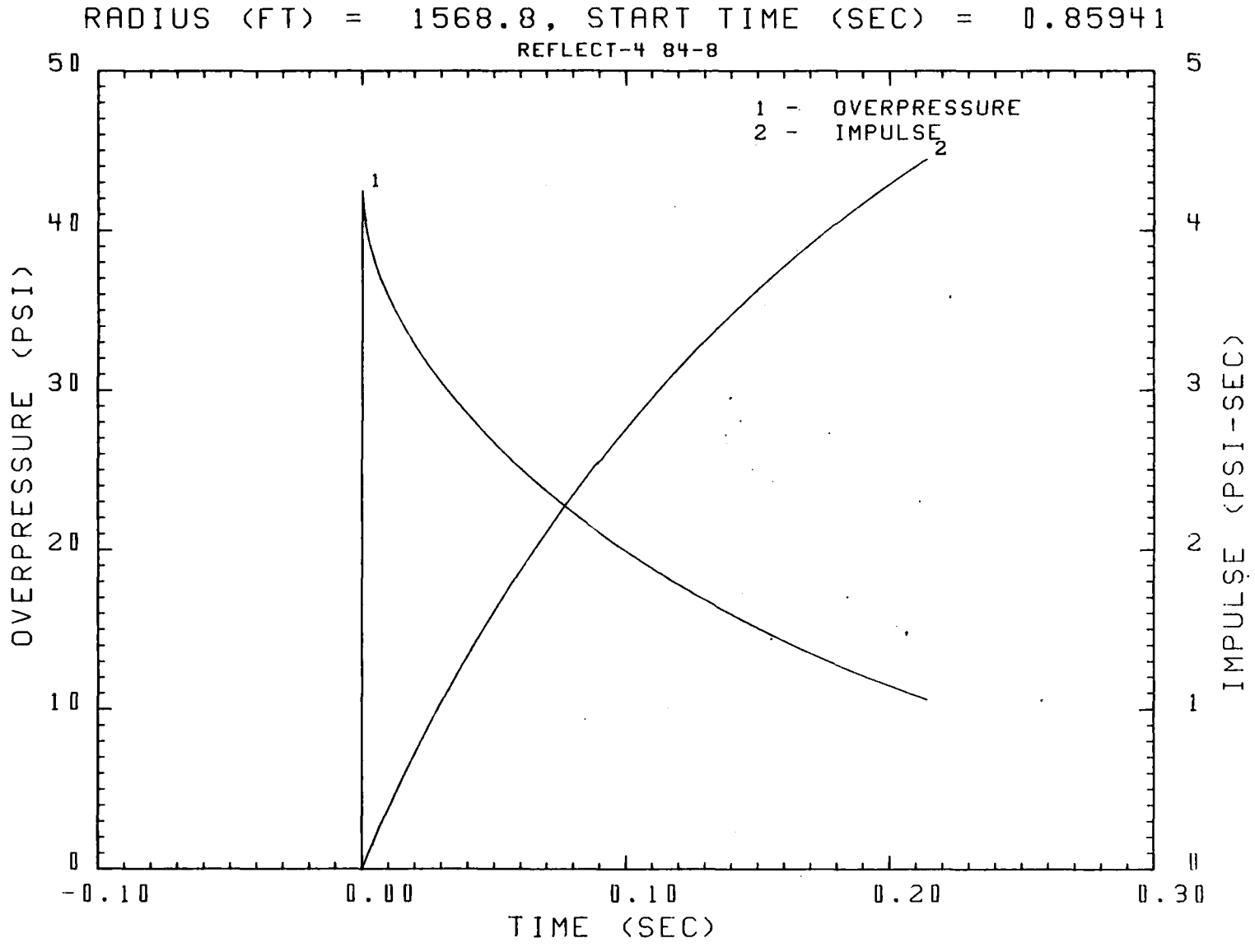

RADIUS (FT) = 1155.2, START TIME (SEC) = 0.69441
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
8
6
4
2
0
-1
0
1
2
3

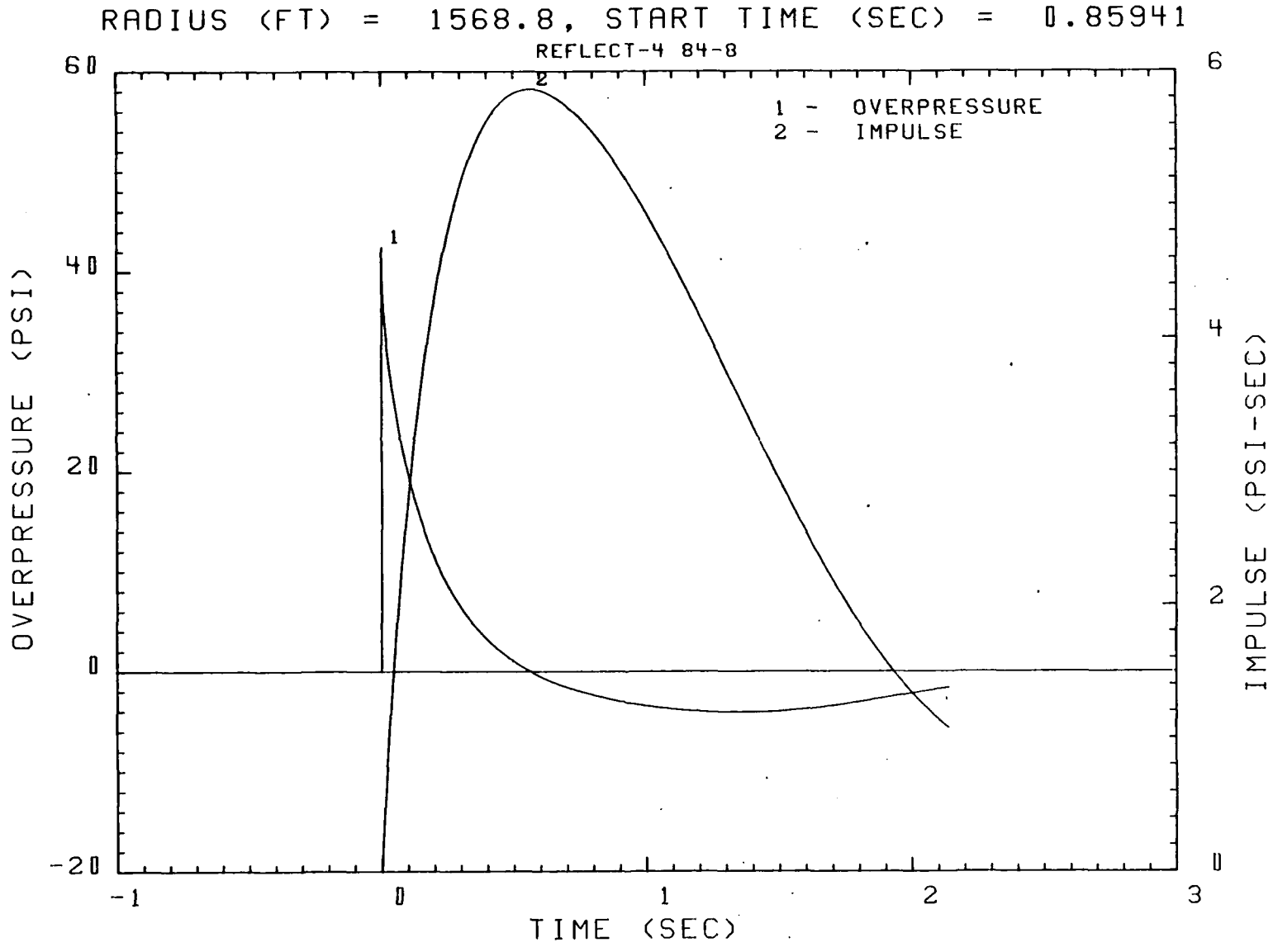

RADIUS (FT) = 1326.8, START TIME (SEC) = 0.75801
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
50
40
30
20
10
0
6
4
2
0
-0.10
0.00
0.10
0.20
0.30

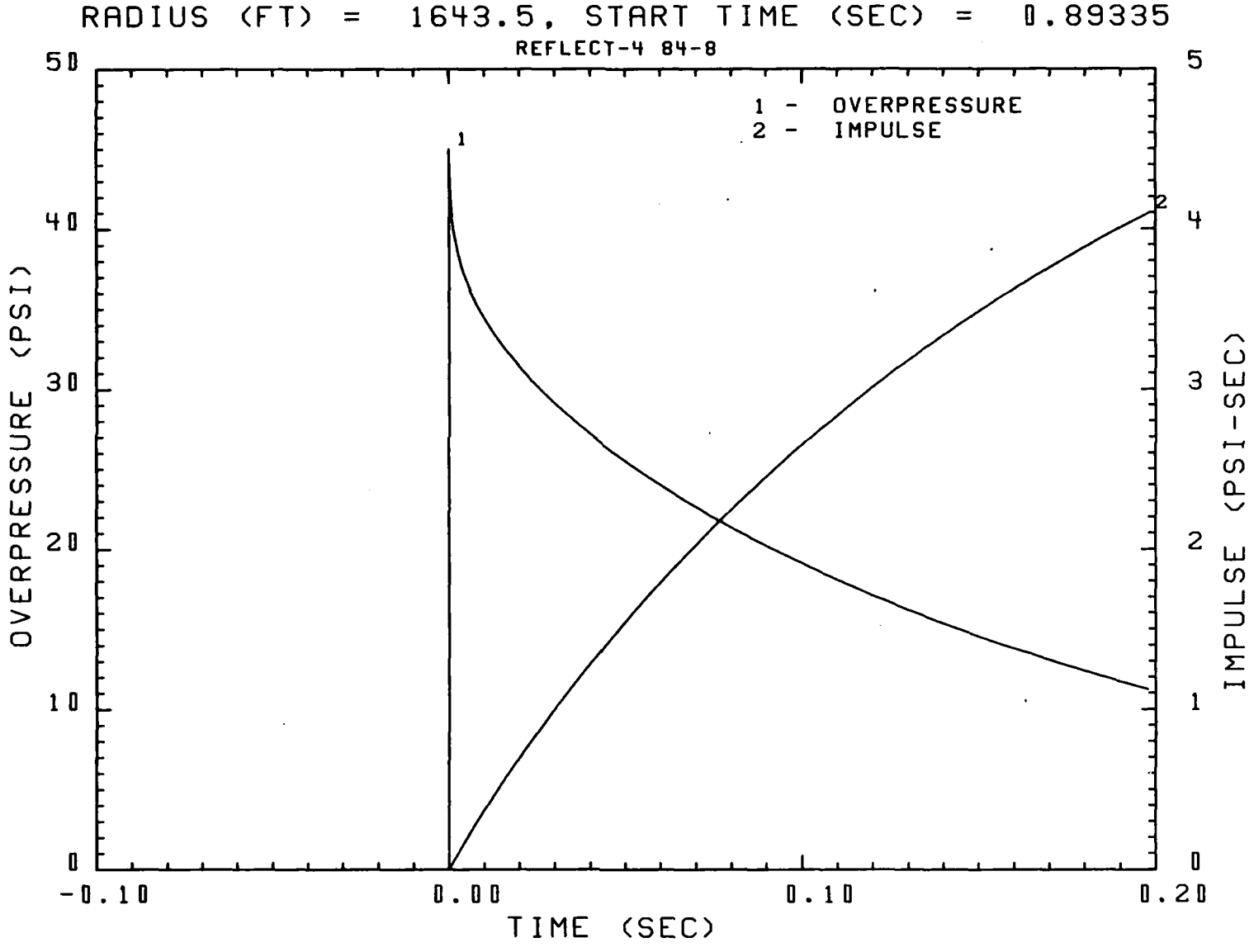

RADIUS (FT) = 1326.8, START TIME (SEC) = 0.75801
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
8
6
4
2
0
-1
0
1
2
3

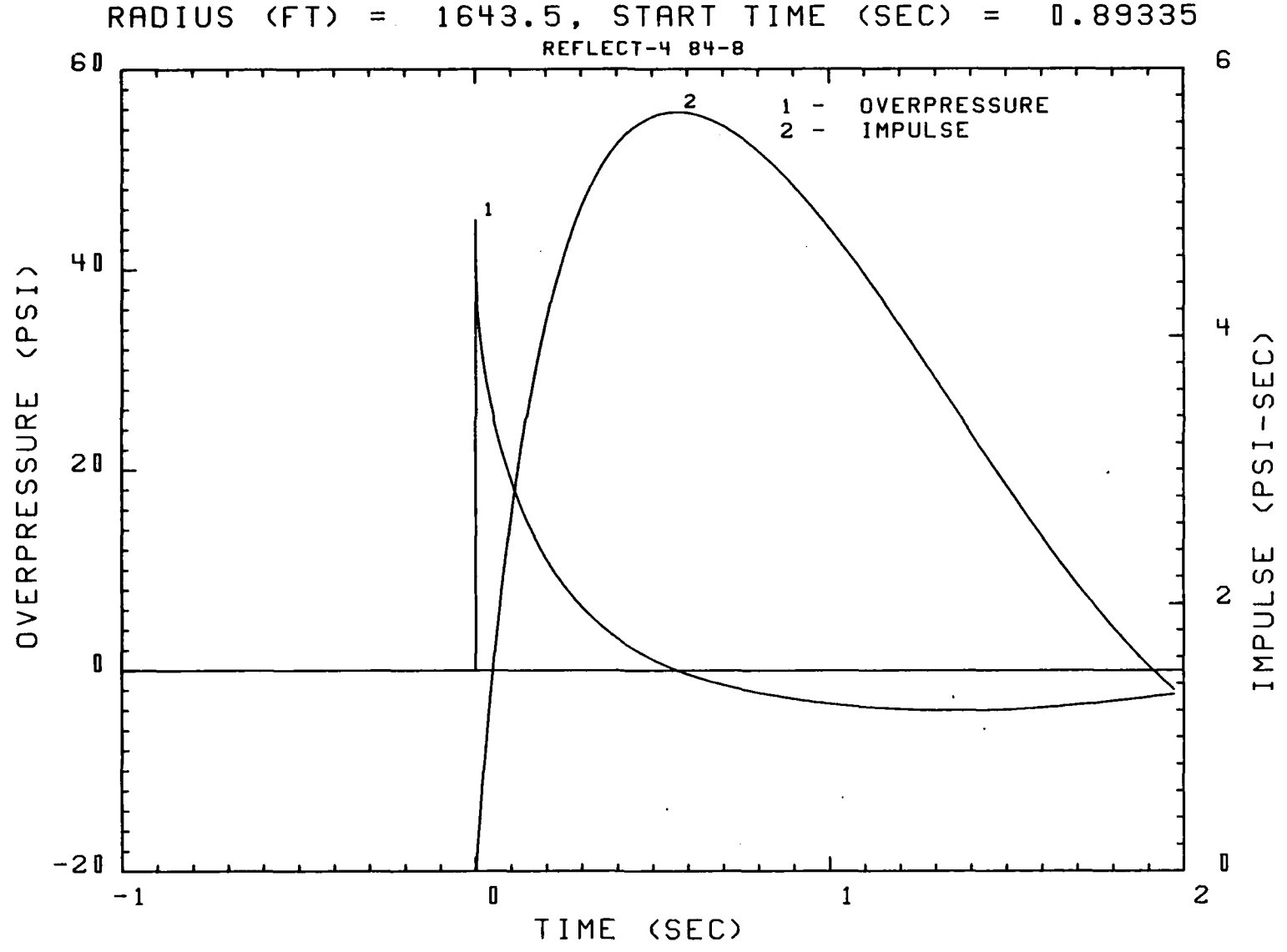

RADIUS (FT) = 1486.7, START TIME (SEC) = 0.82351
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
50
40
30
20
10
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

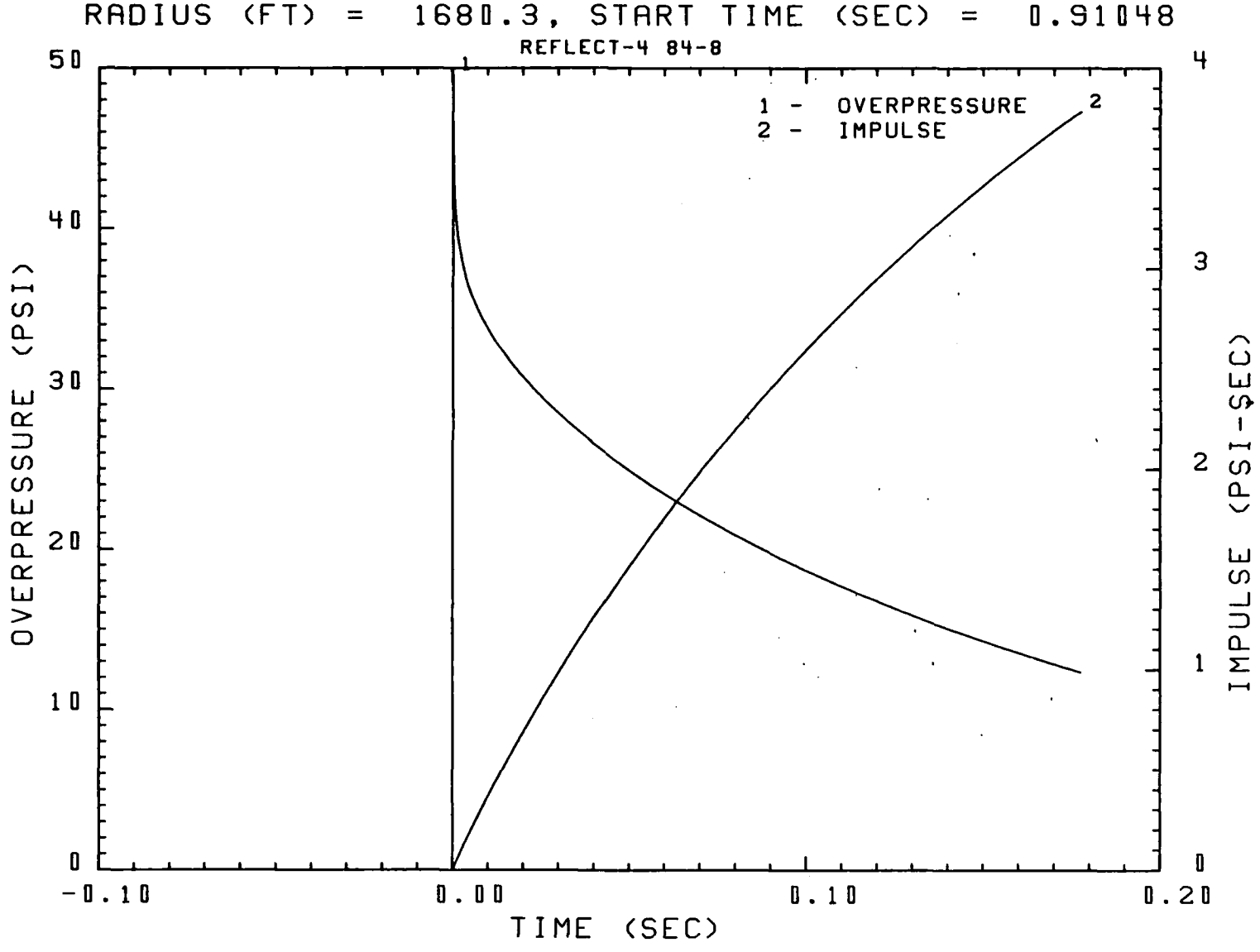

RADIUS (FT) = 1486.7, START TIME (SEC) = 0.82351
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
8
6
4
2
0
-1
0
1
2
3

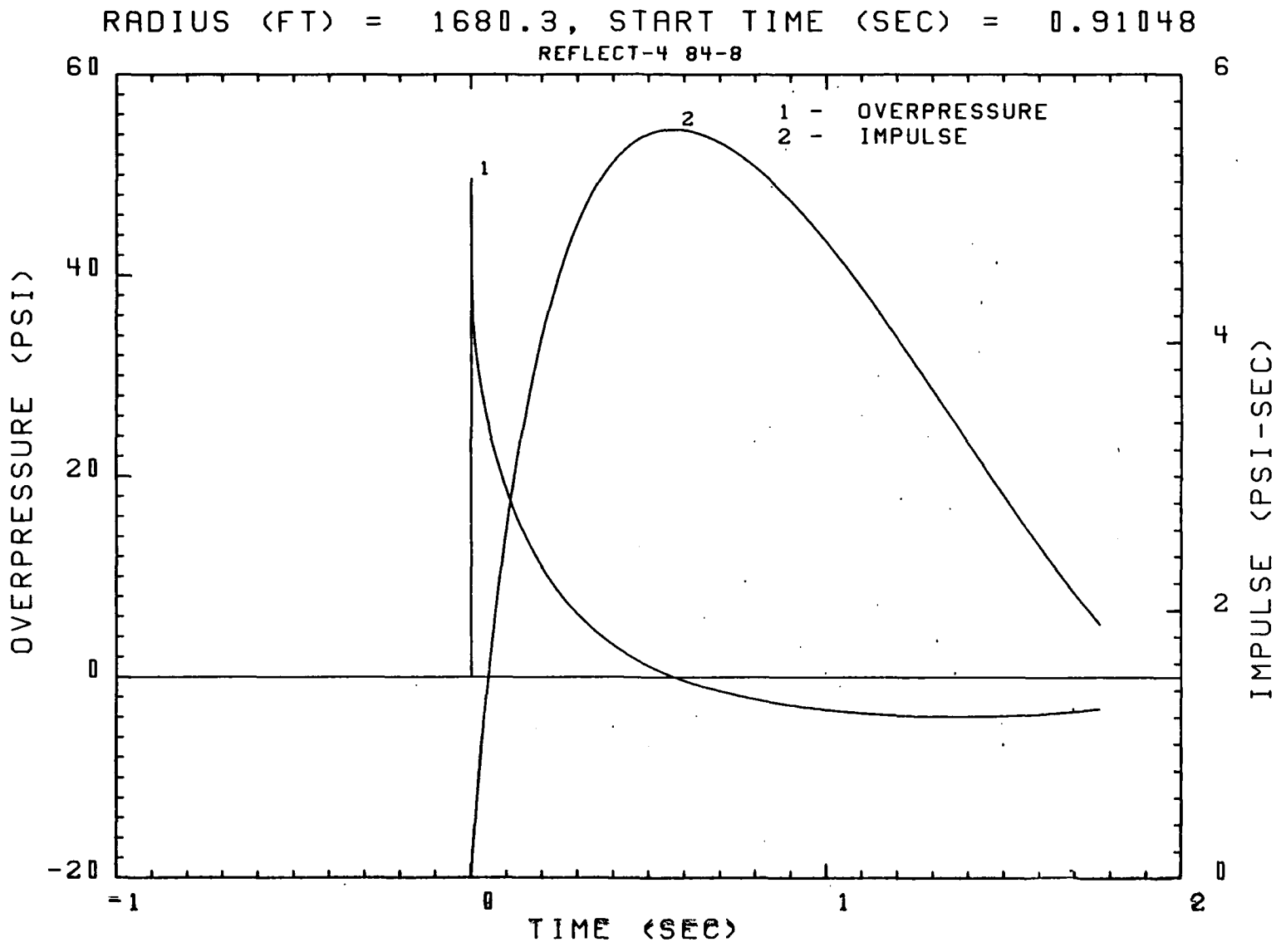

RADIUS (FT) = 1568.8, START TIME (SEC) = 0.85941
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
50
40
30
20
10
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

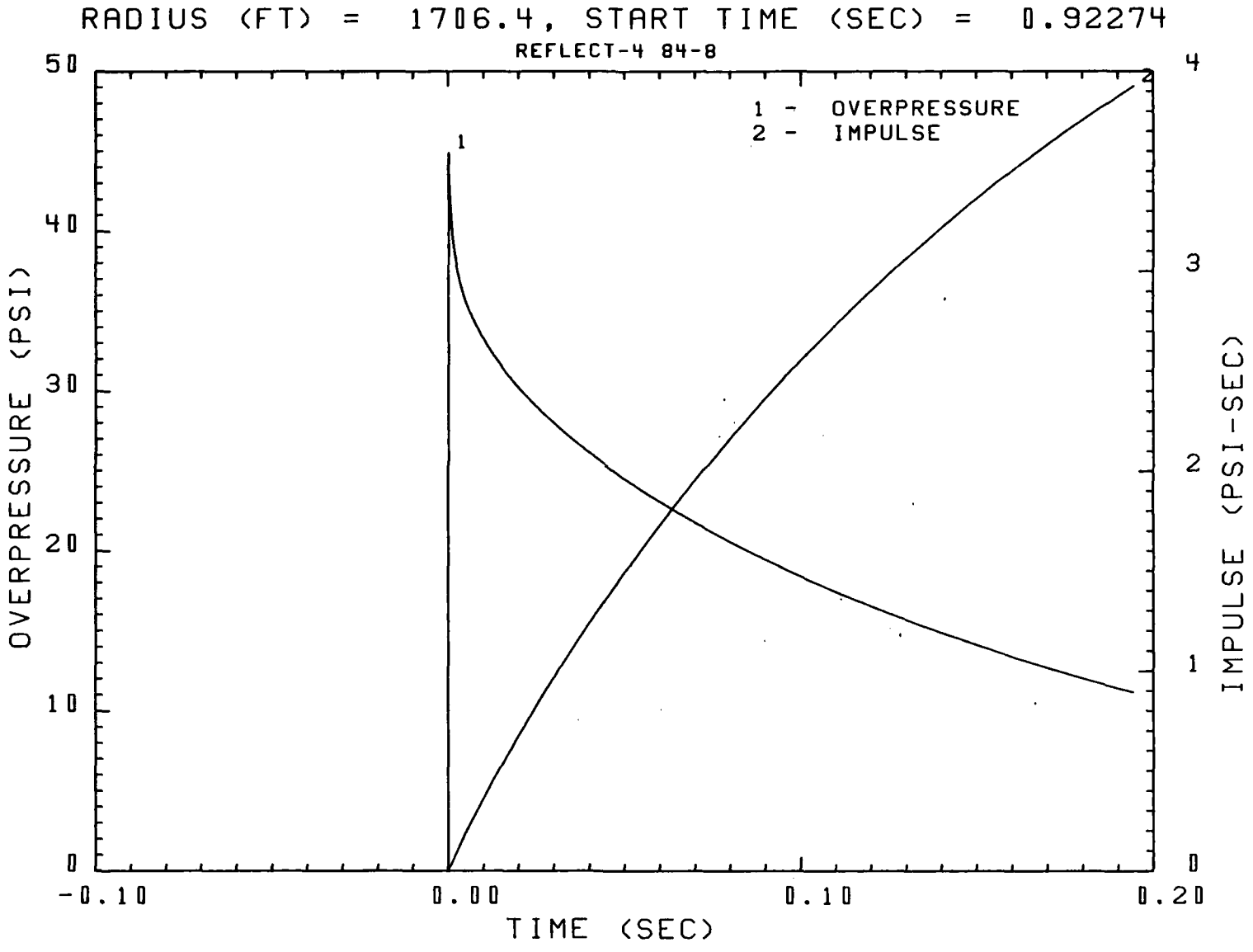

RADIUS (FT) = 1568.8, START TIME (SEC) = 0.85941
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
6
4
2
0
-1
0
1
2
3

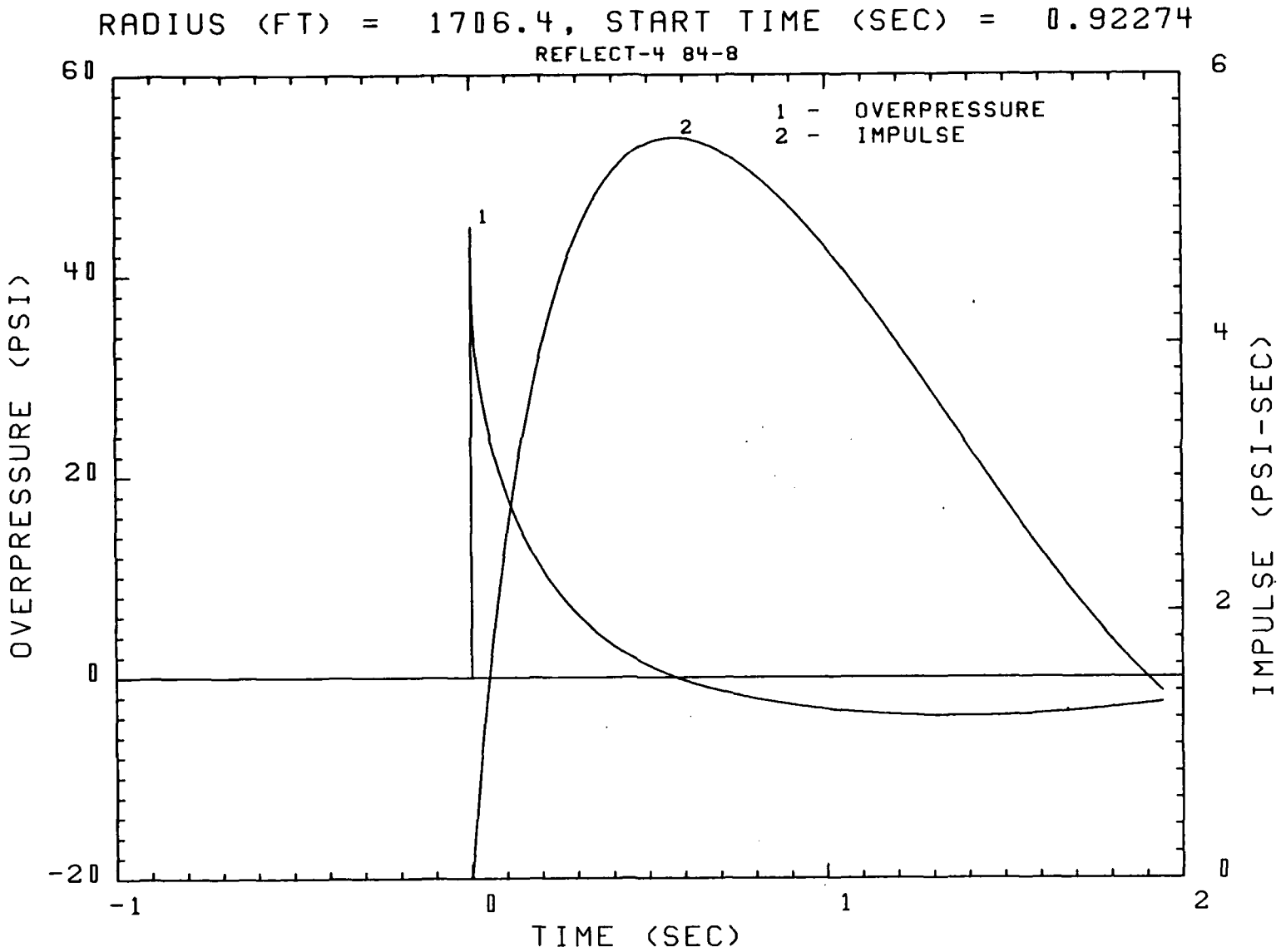

RADIUS (FT) = 1643.5, START TIME (SEC) = 0.89335
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
50
40
30
20
10
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20

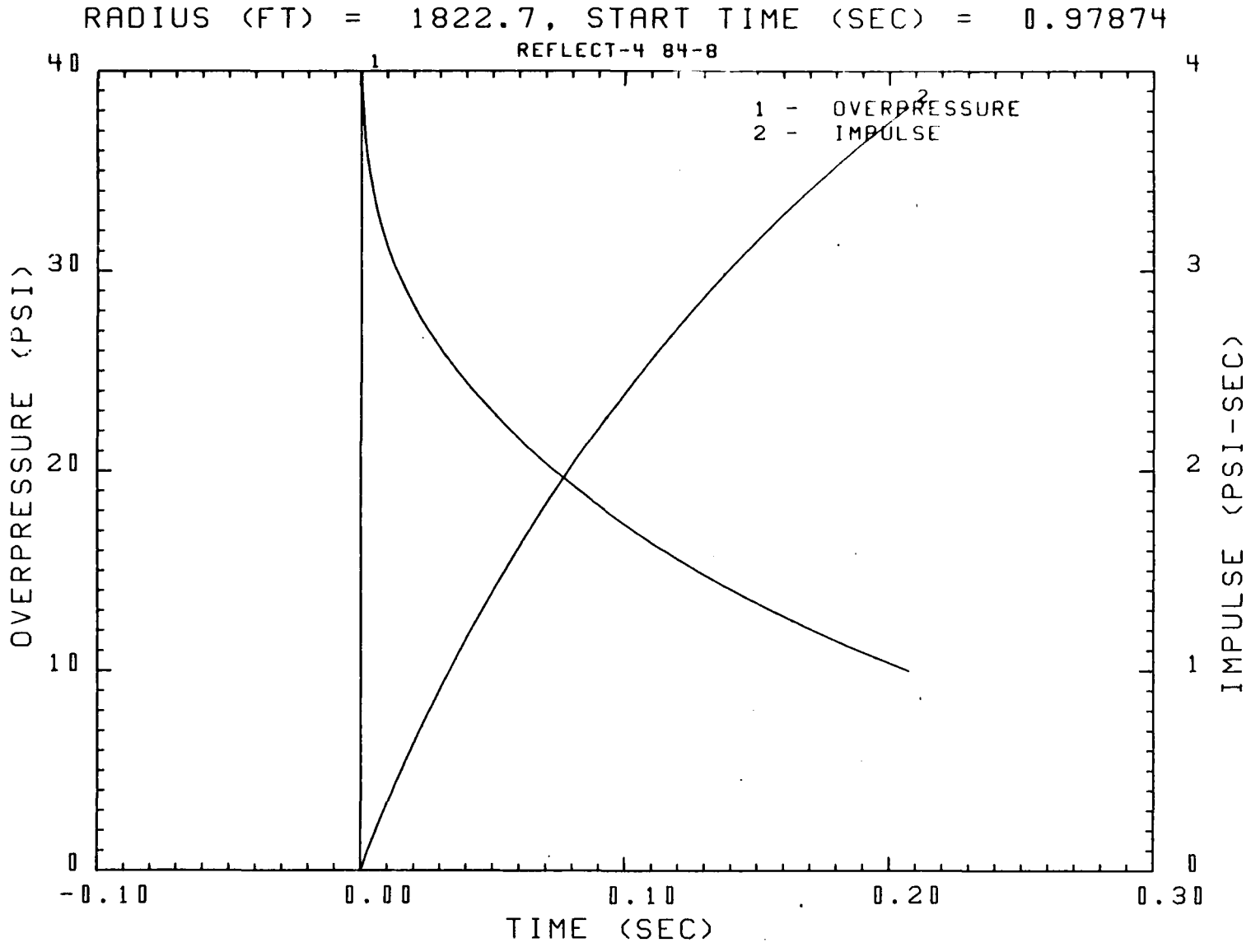

RADIUS (FT) = 1643.5, START TIME (SEC) = 0.89335
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
6
4
2
0
-1
0
1
2

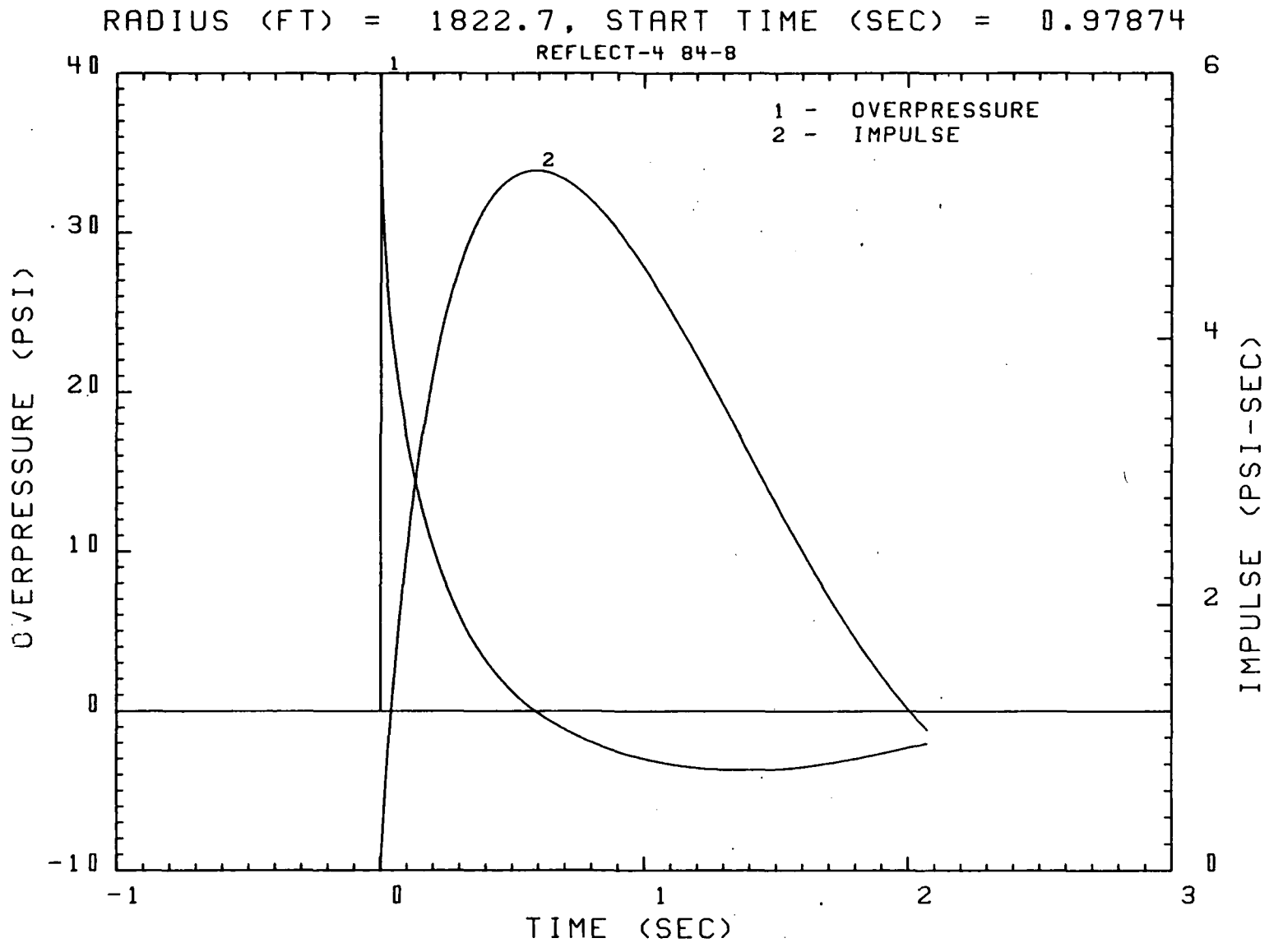

RADIUS (FT) = 1680.3, START TIME (SEC) = 0.91048
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
50
40
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20

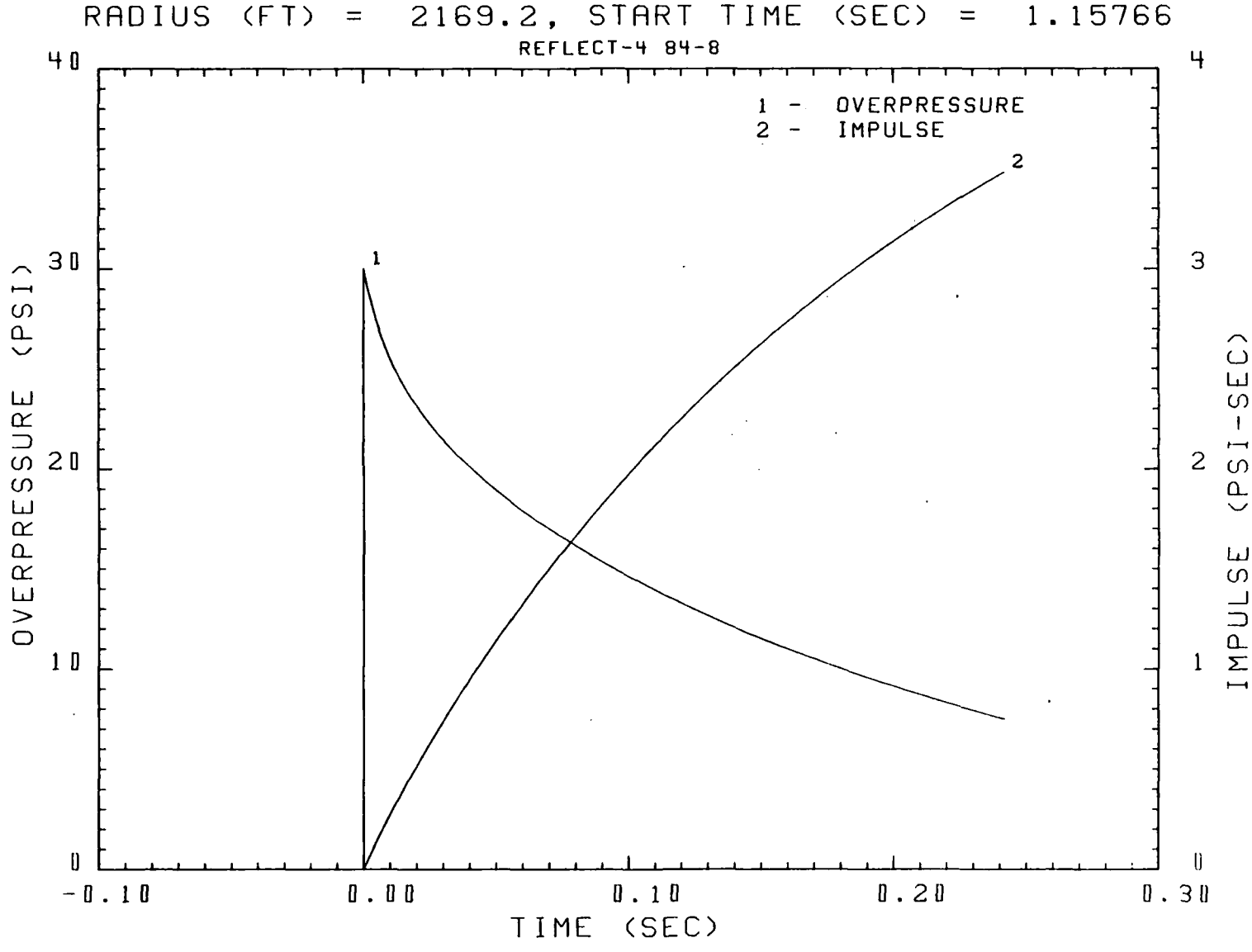

RADIUS (FT) = 1680.3, START TIME (SEC) = 0.91048
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
6
4
2
0
-1
0
1
2
1
2

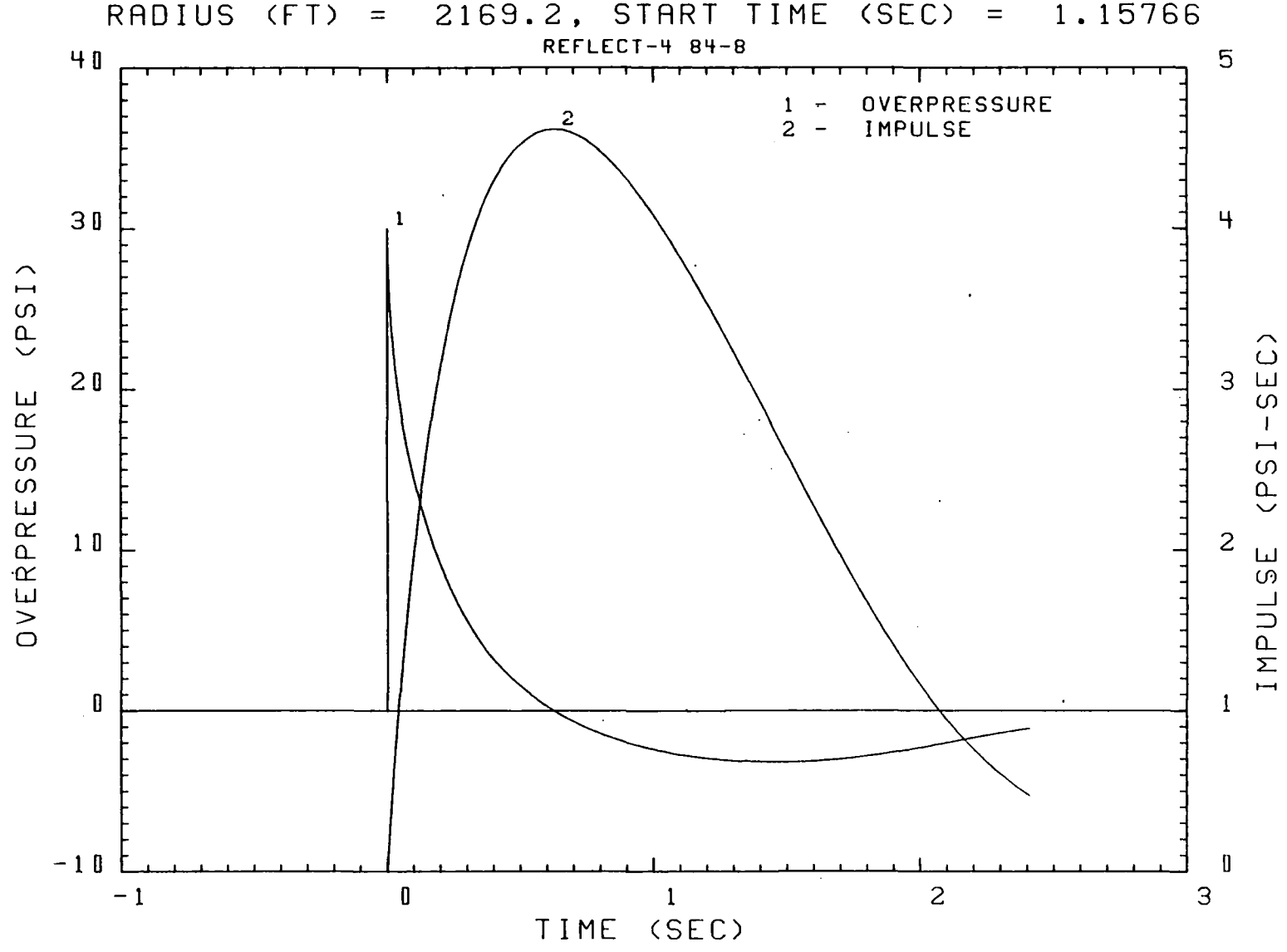

RADIUS (FT) = 1706.4, START TIME (SEC) = 0.92274
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
50
40
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20

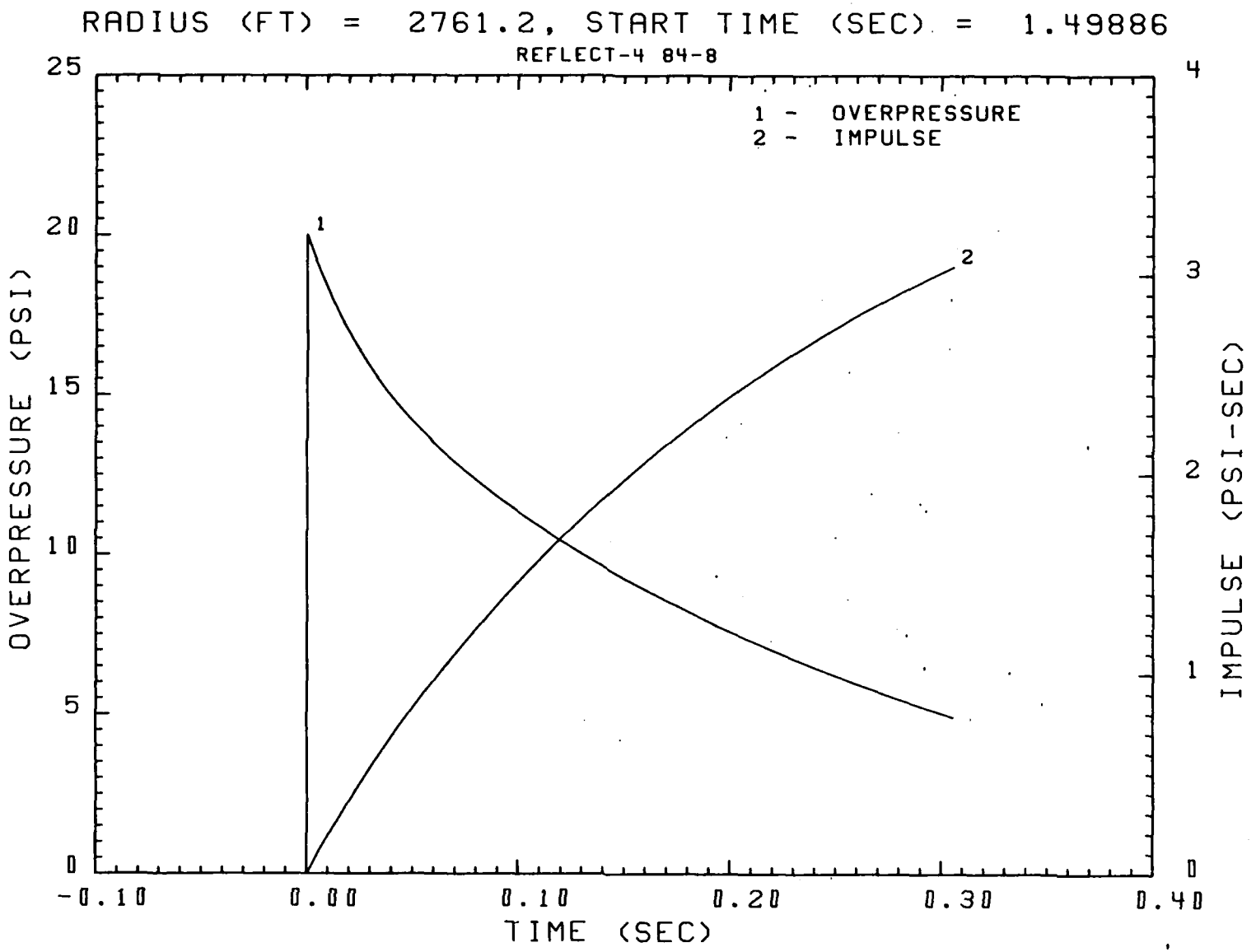

RADIUS (FT) = 1706.4, START TIME (SEC) = 0.92274
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
6
4
2
0
-1
0
1
2
1
2

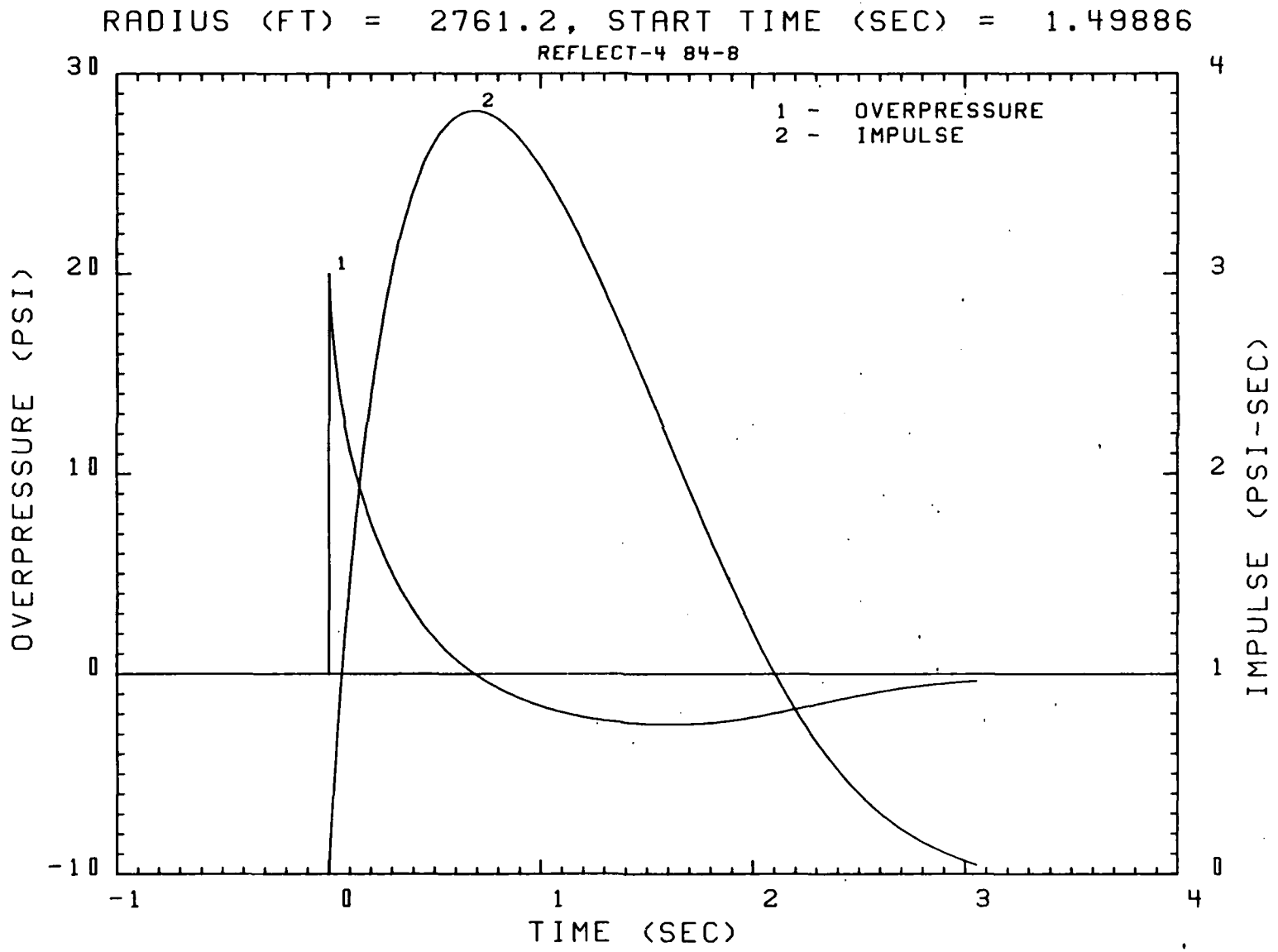

RADIUS (FT) = 1822.7, START TIME (SEC) = 0.97874
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

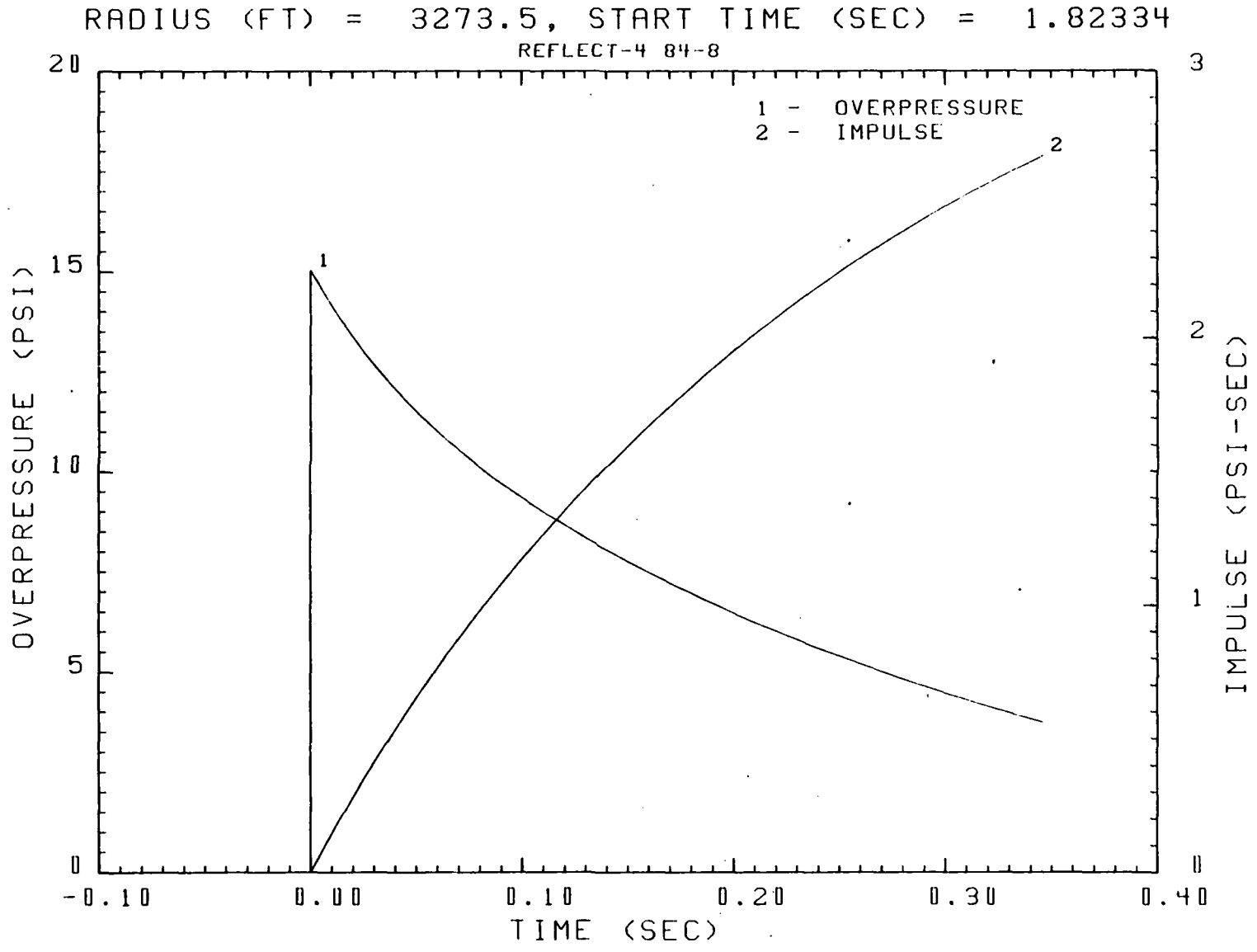

RADIUS (FT) = 1822.7, START TIME (SEC) = 0.97874
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
-10
6
4
2
0
-1
0
1
2
3

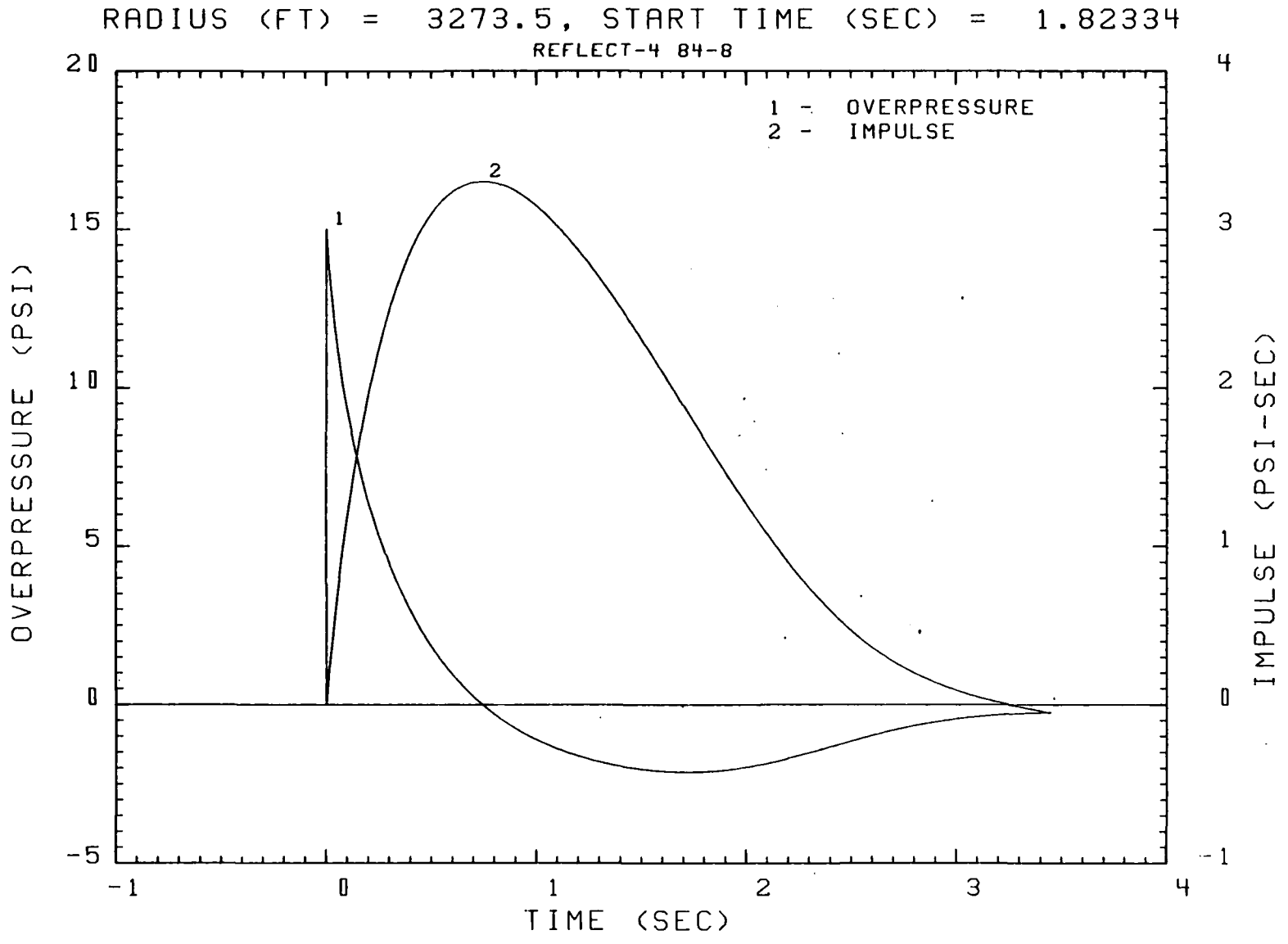

RADIUS (FT) = 2169.2, START TIME (SEC) = 1.15766
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

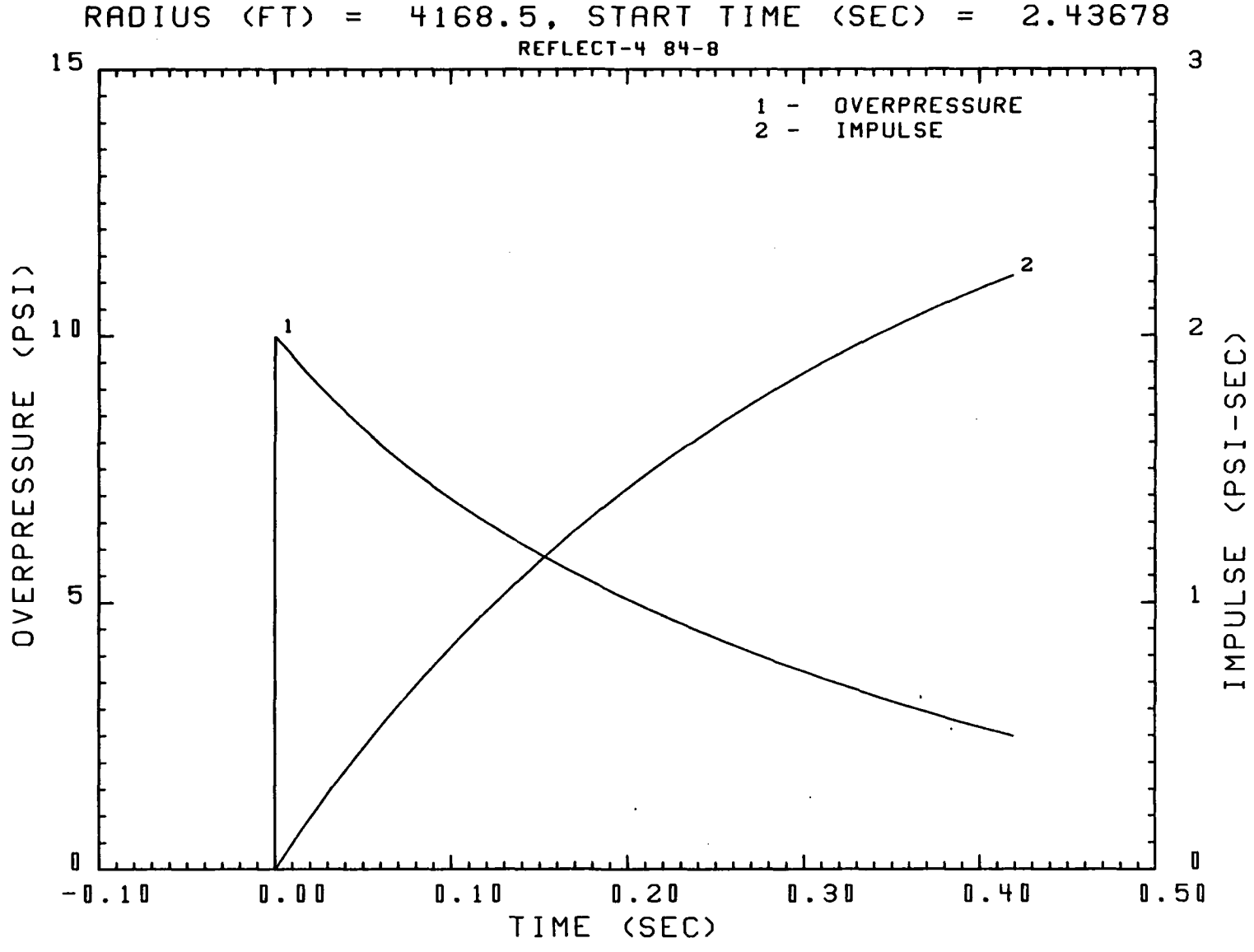

RADIUS (FT) = 2169.2, START TIME (SEC) = 1.15766
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

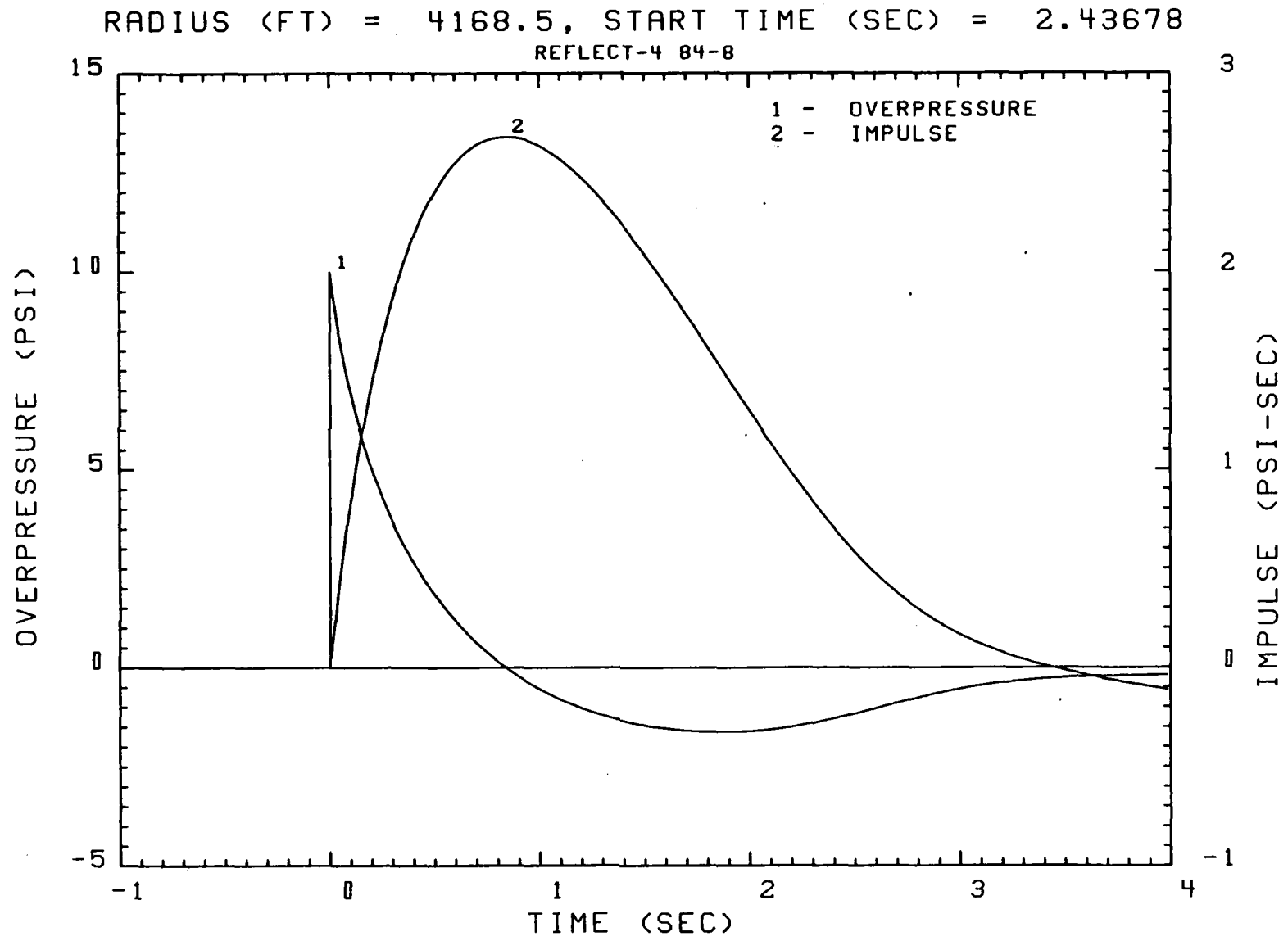

RADIUS (FT) = 2761.2, START TIME (SEC) = 1.49886
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
25
20
15
10
5
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
1
2

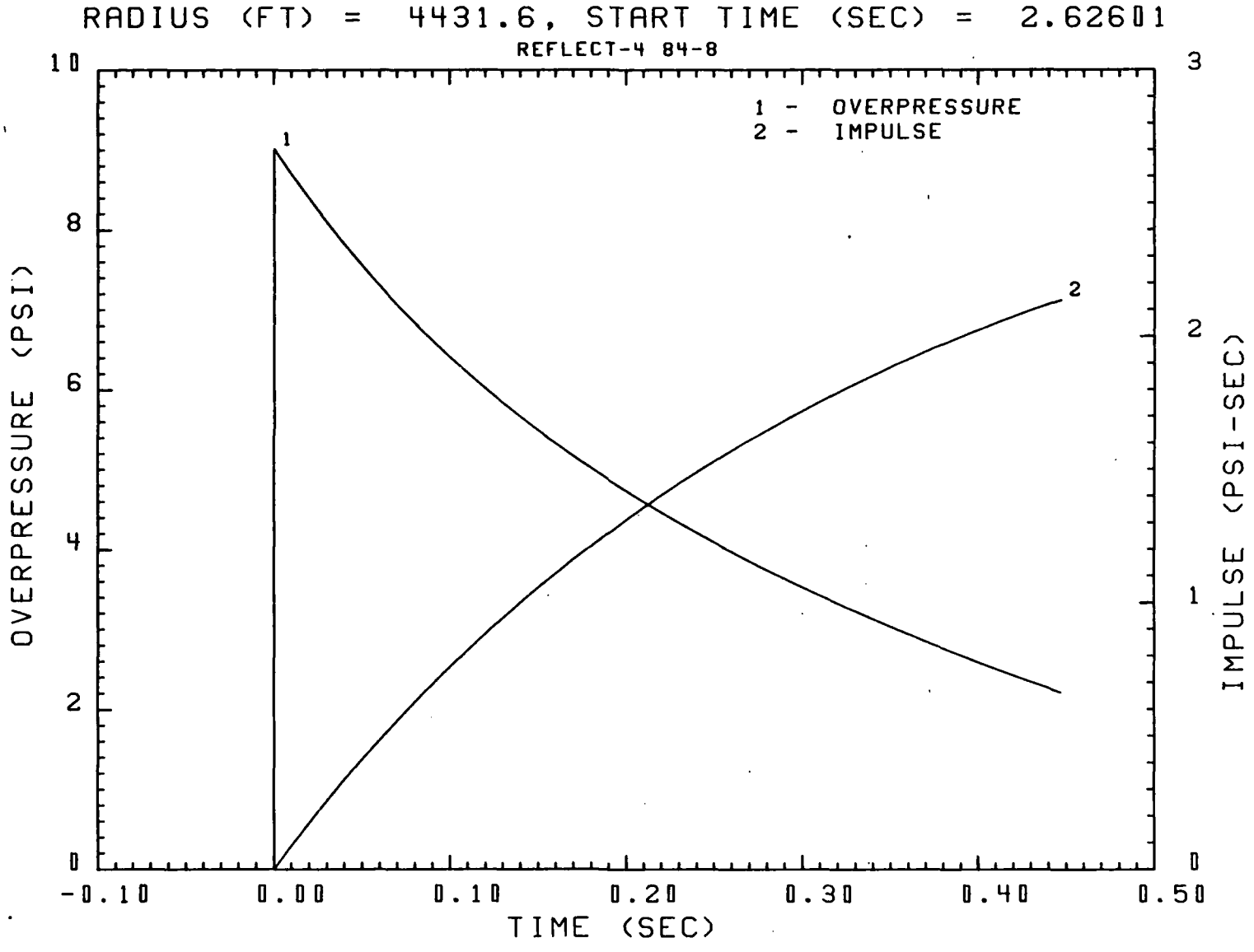

RADIUS (FT) = 2761.2, START TIME (SEC) = 1.49886
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
4
3
2
1
0
-1
0
1
2
3
4

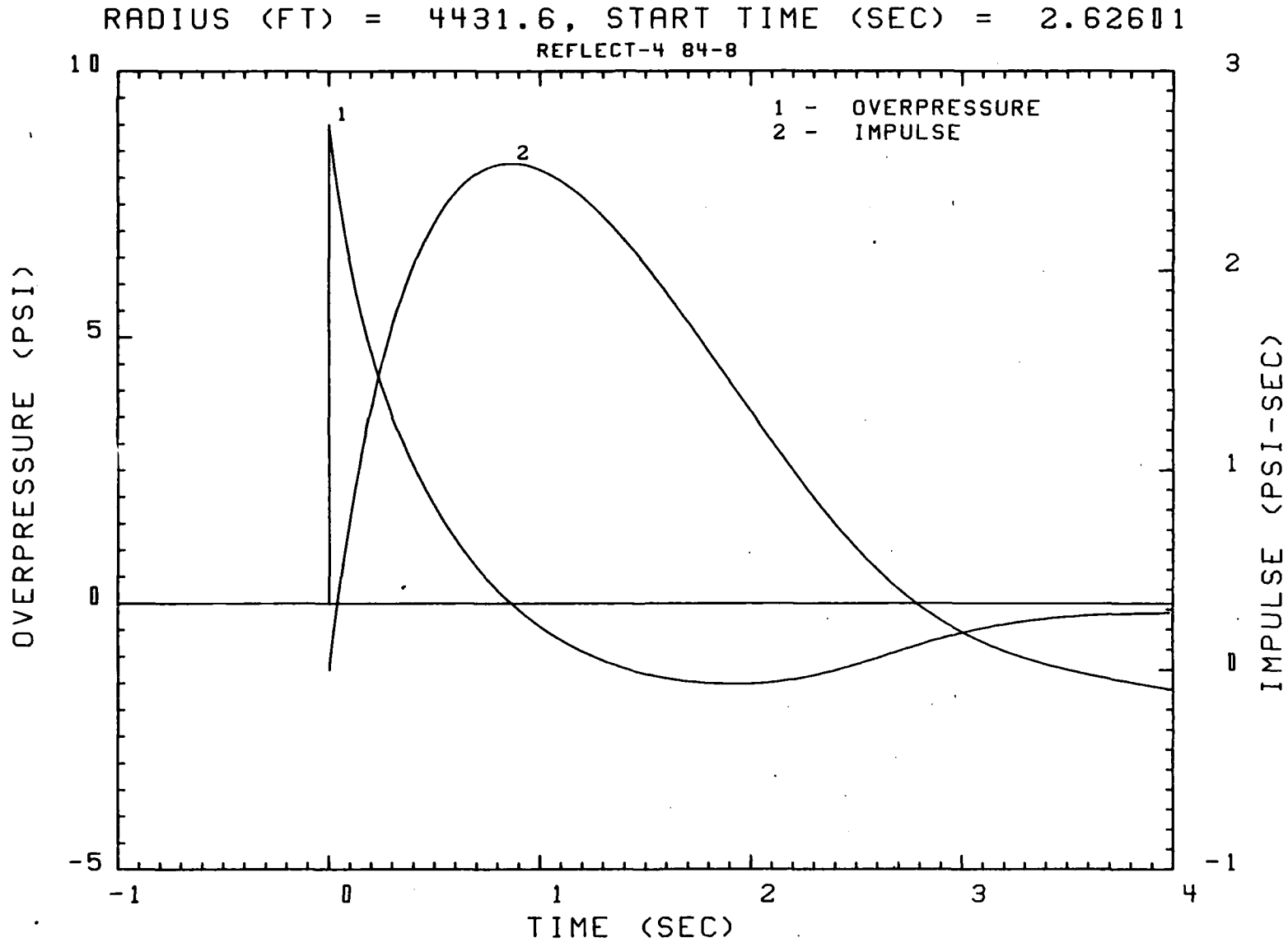

RADIUS (FT) = 3273.5, START TIME (SEC) = 1.82334
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
1
2

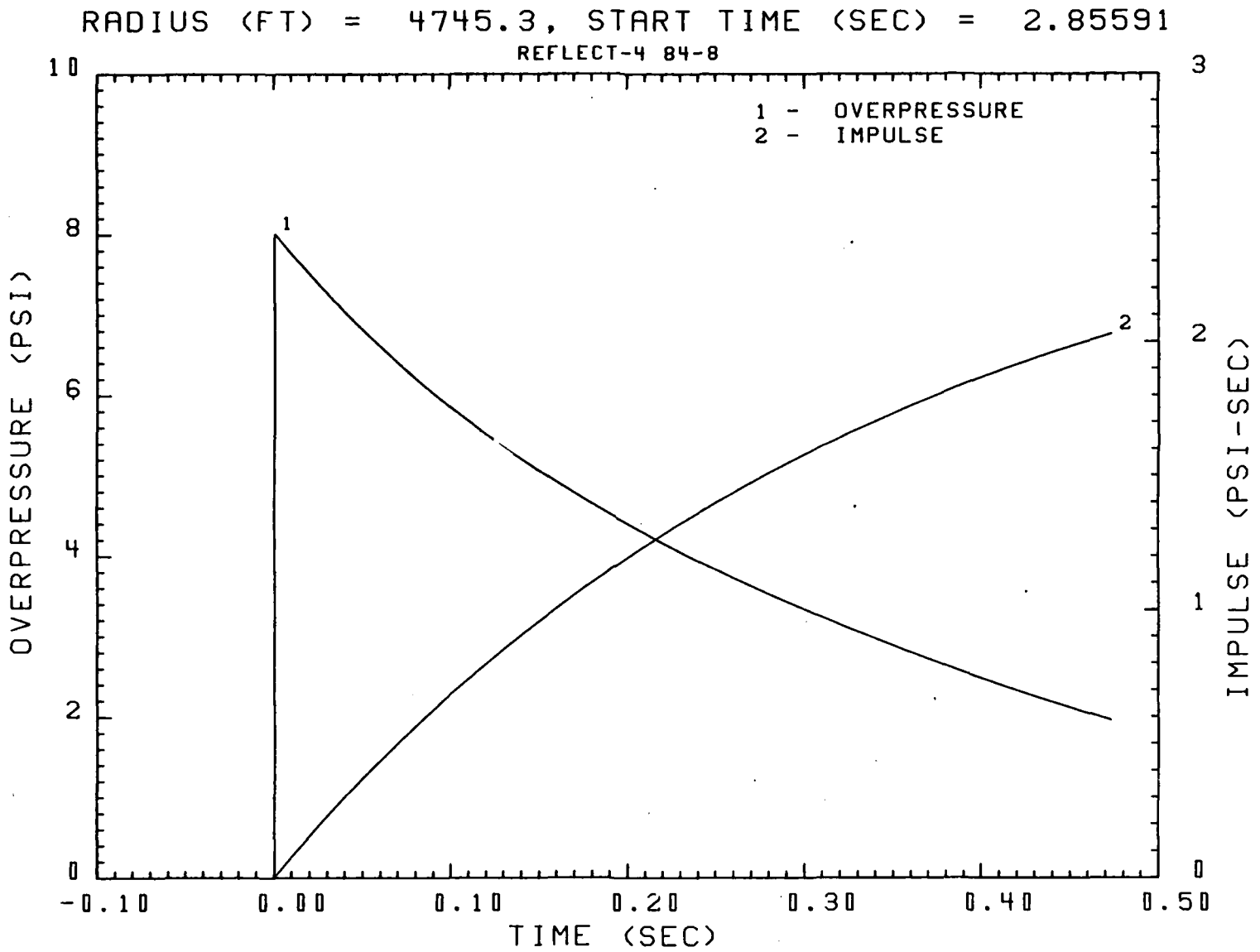

RADIUS (FT) = 3273.5, START TIME (SEC) = 1.82334
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
-5
4
3
2
1
0
-1
-1
0
1
2
3
4

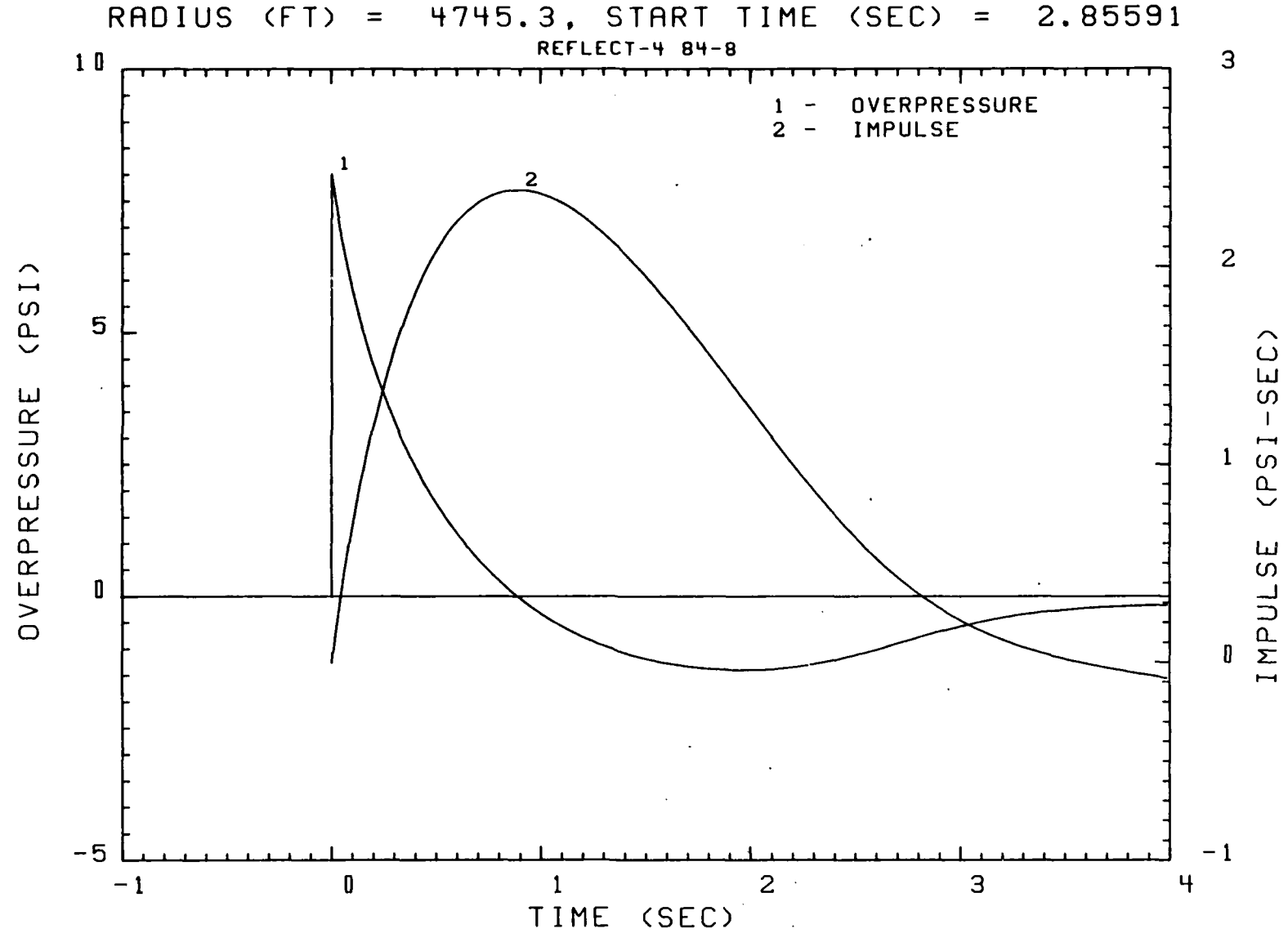

RADIUS (FT) = 4168.5, START TIME (SEC) = 2.43678
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
1
2

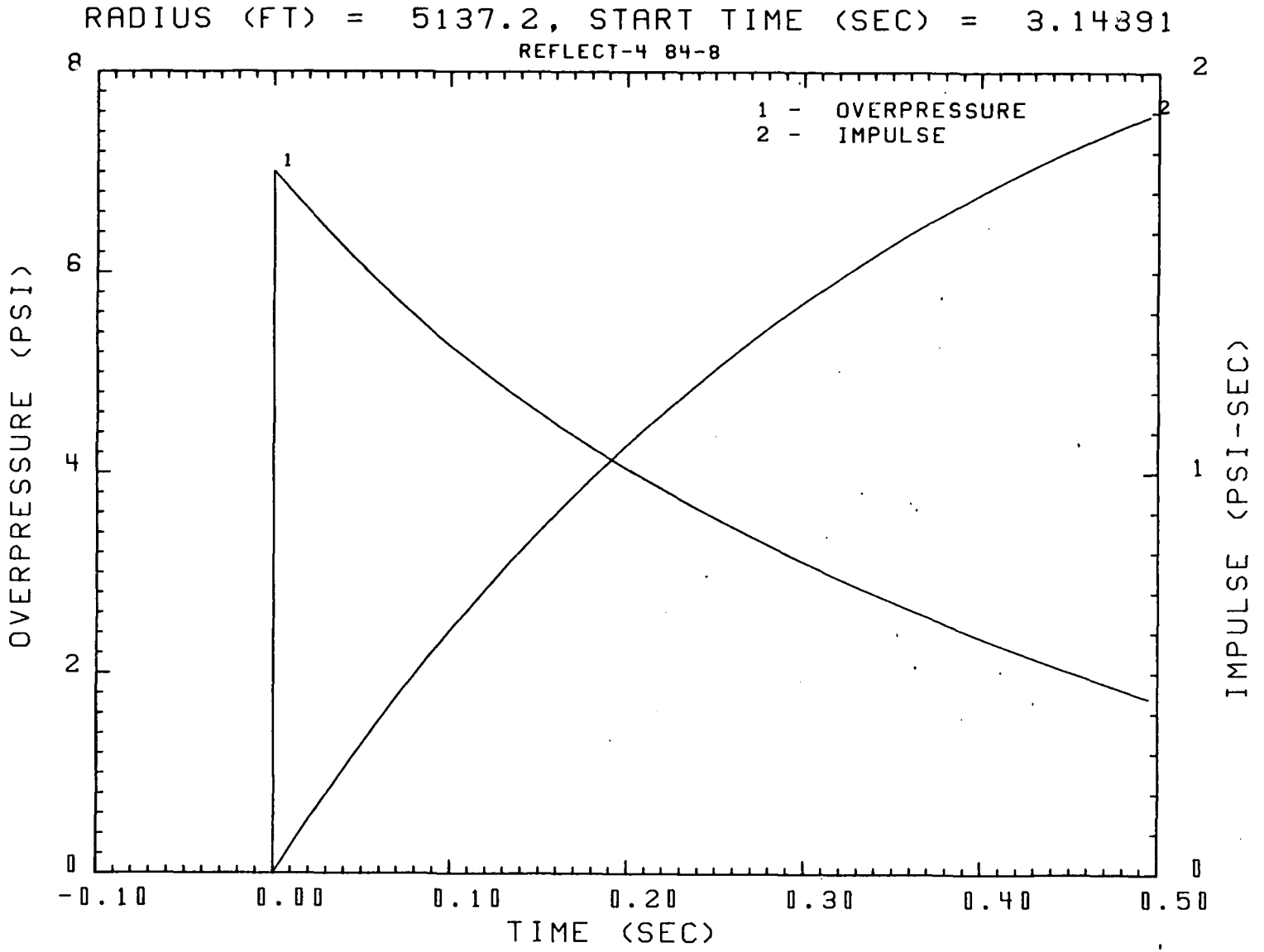

RADIUS (FT) = 4168.5, START TIME (SEC) = 2.43678
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
3
2
1
0
-1
-1
0
1
2
3
4

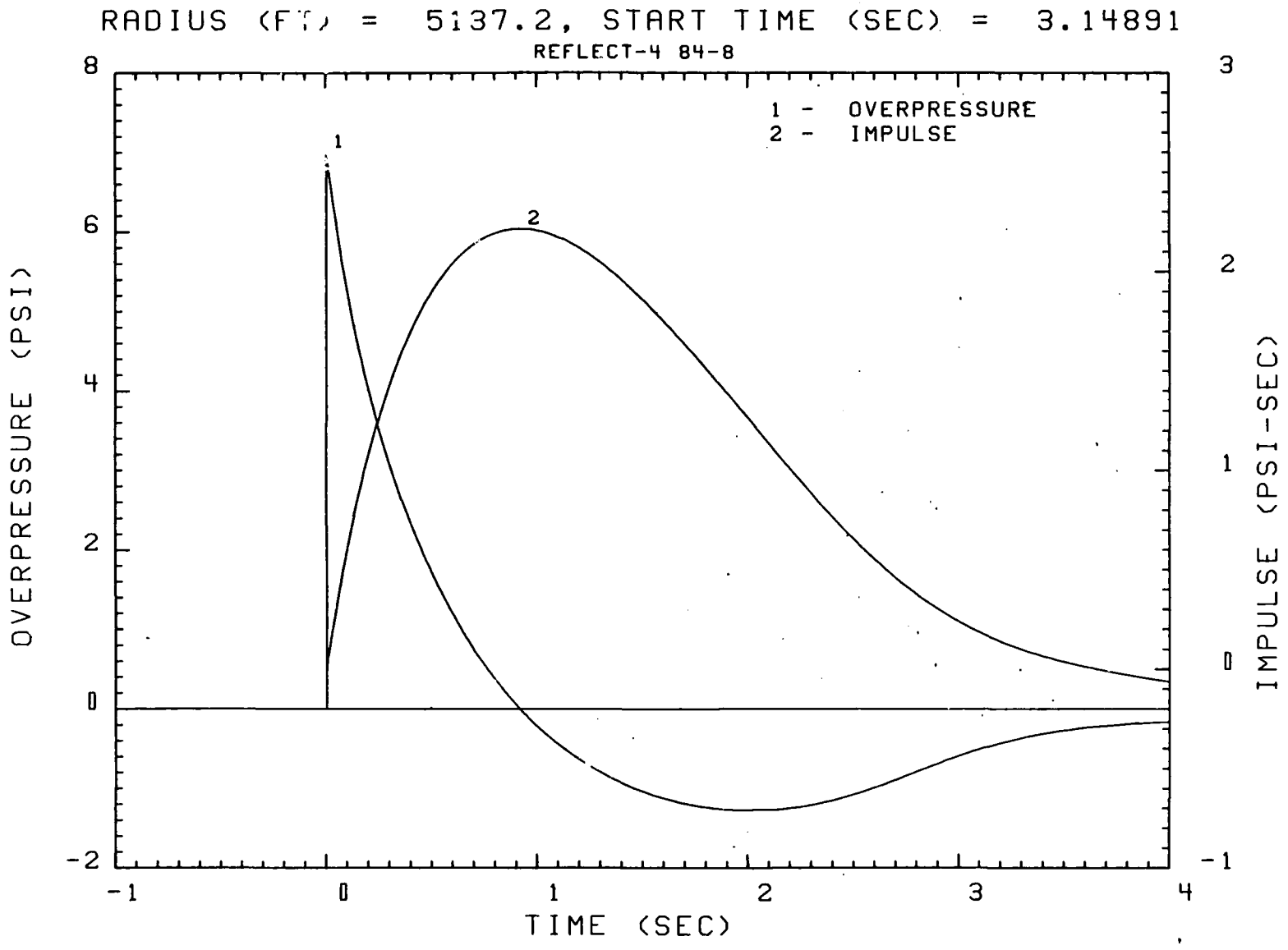

RADIUS (FT) = 4431.6, START TIME (SEC) = 2.62601
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
1
2

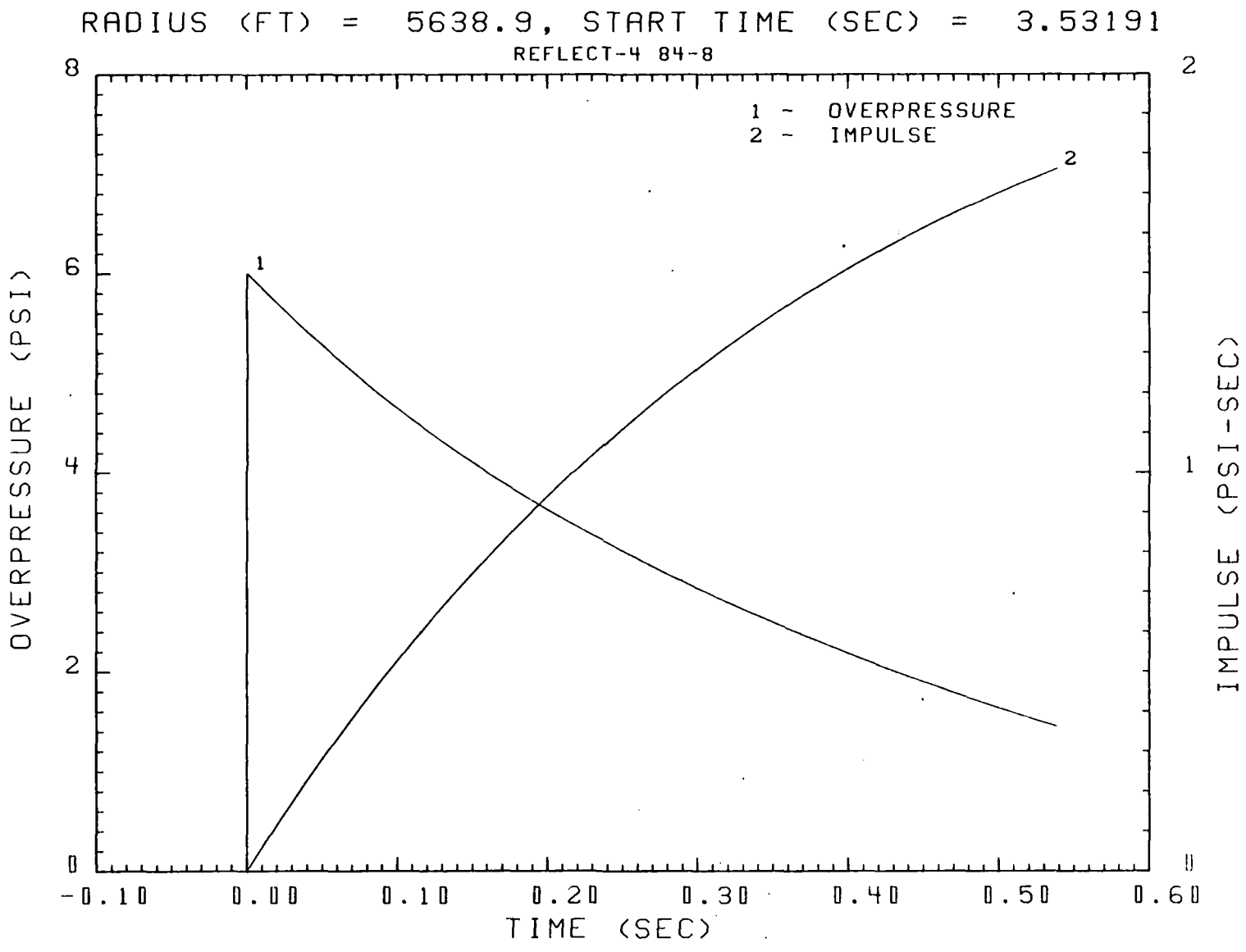

RADIUS (FT) = 4431.6, START TIME (SEC) = 2.62601
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
3
2
1
0
-1
-1
0
1
2
3
4

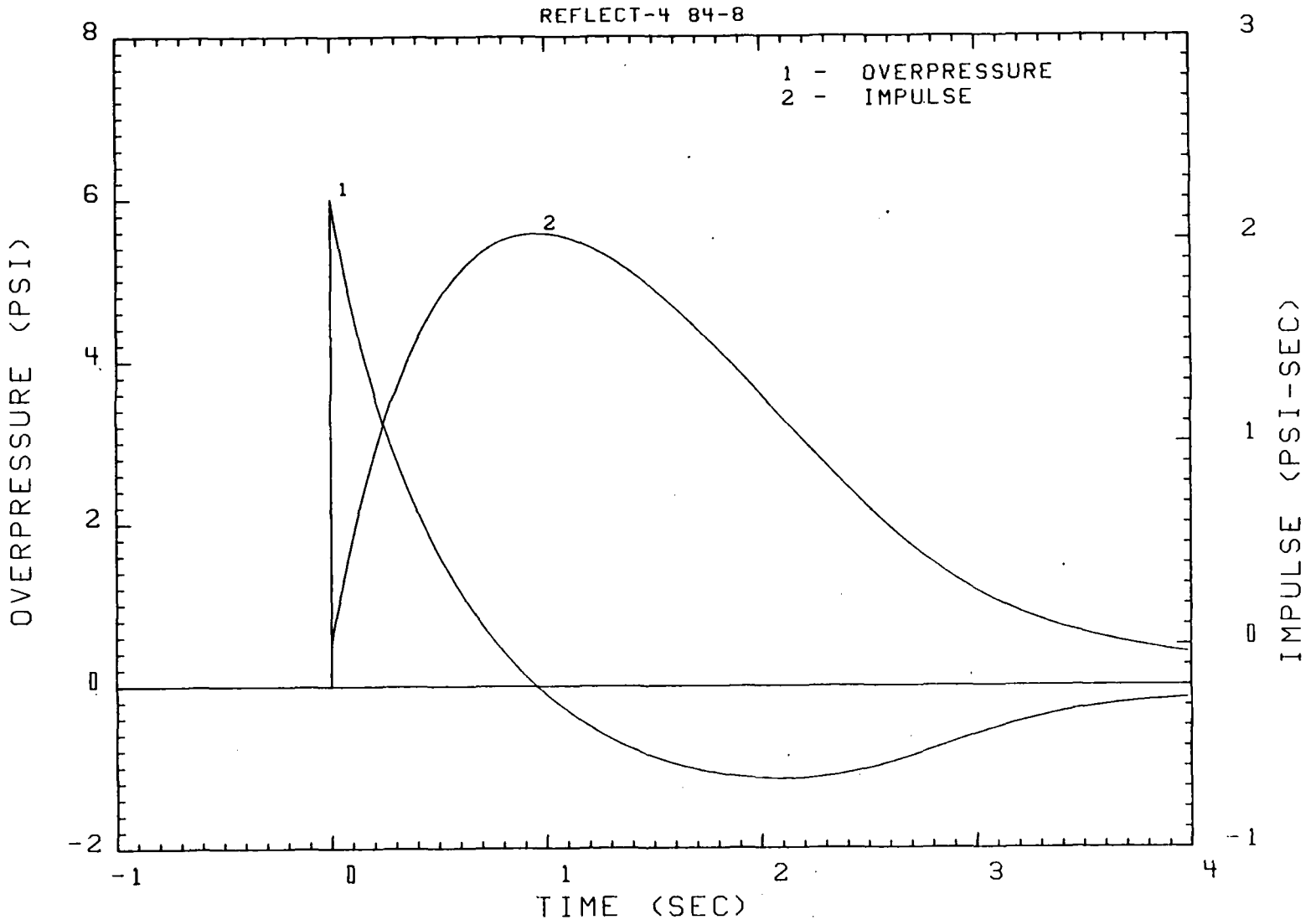

RADIUS (FT) = 4745.3, START TIME (SEC) = 2.85591
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
10
1
2
3
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

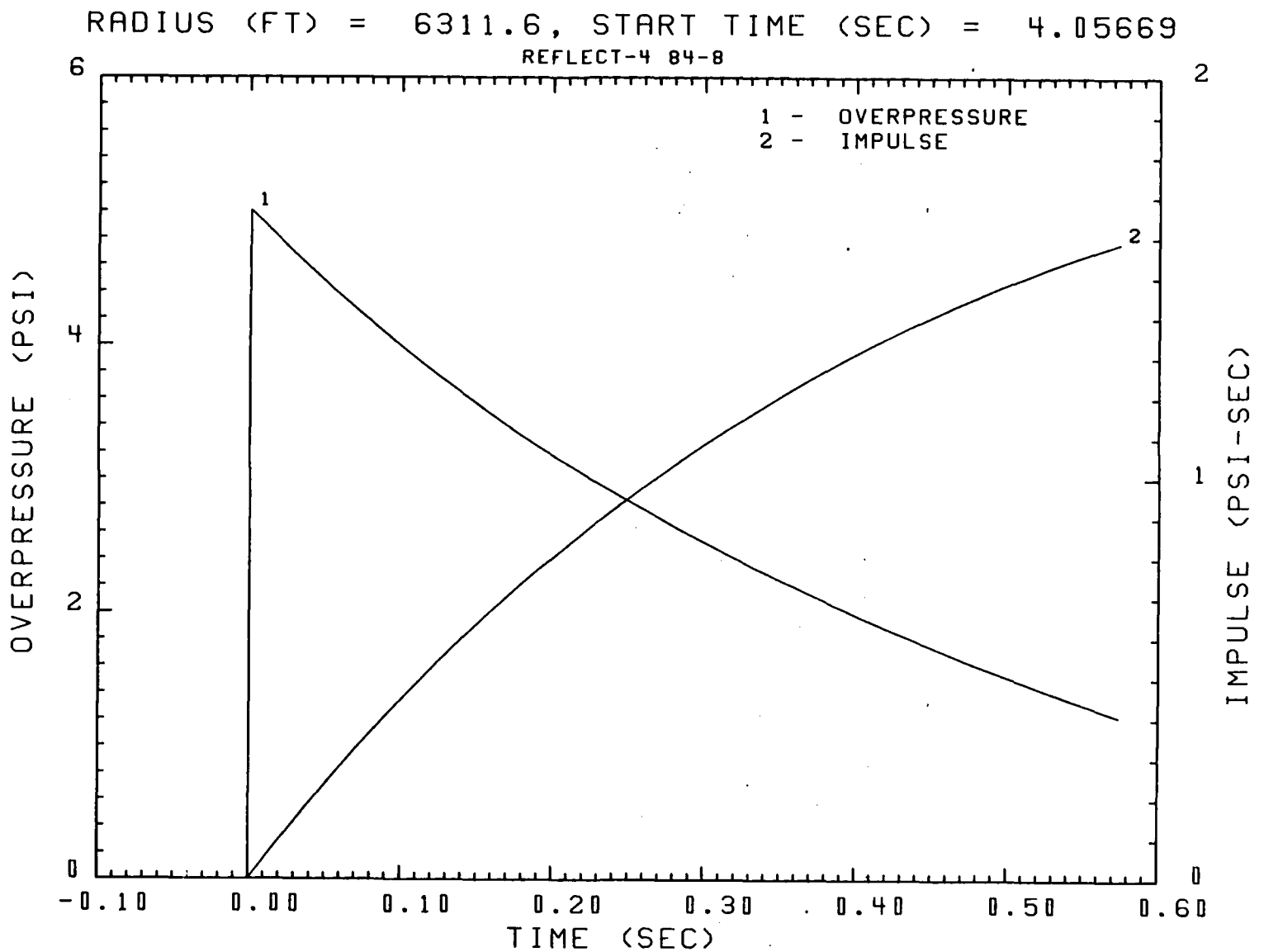

RADIUS (FT) = 4745.3, START TIME (SEC) = 2.85591
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
3
2
1
0
-1
-1
0
1
2
3
4

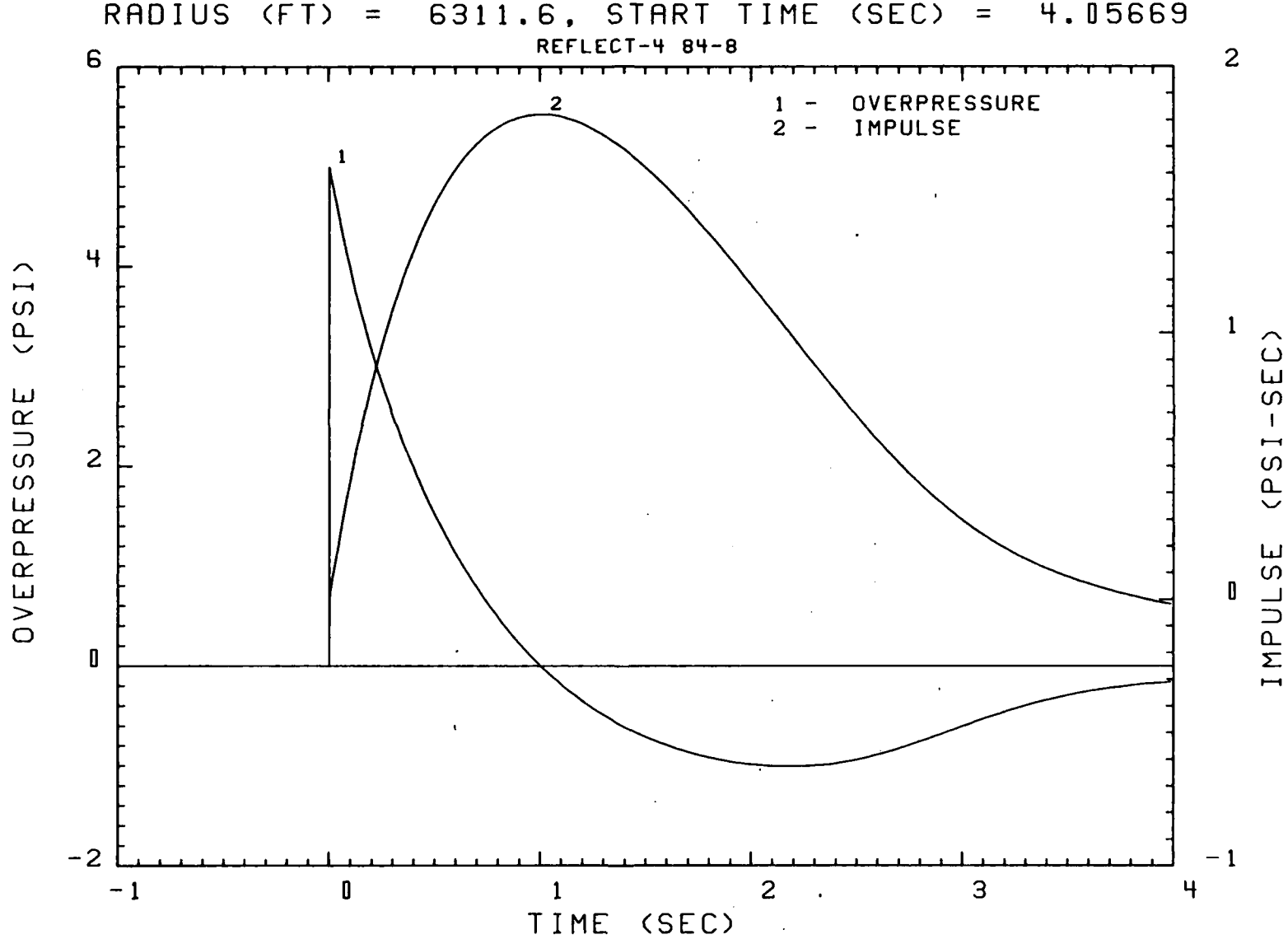

RADIUS (FT) = 5137.2, START TIME (SEC) = 3.14391
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
1
2
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

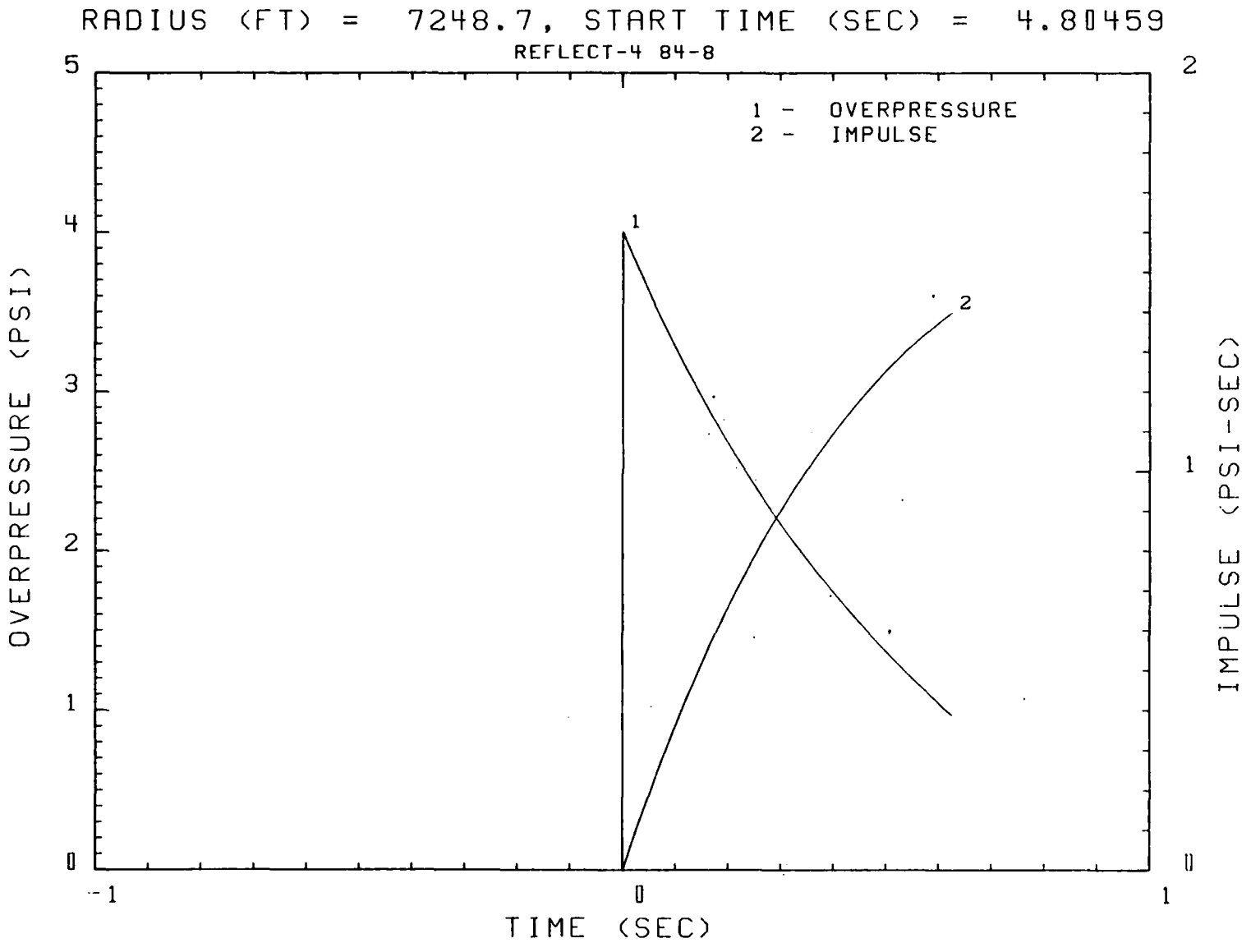

RADIUS (FT) = 5137.2, START TIME (SEC) = 3.14891
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
3
2
1
0
-1
-1
0
1
2
3
4

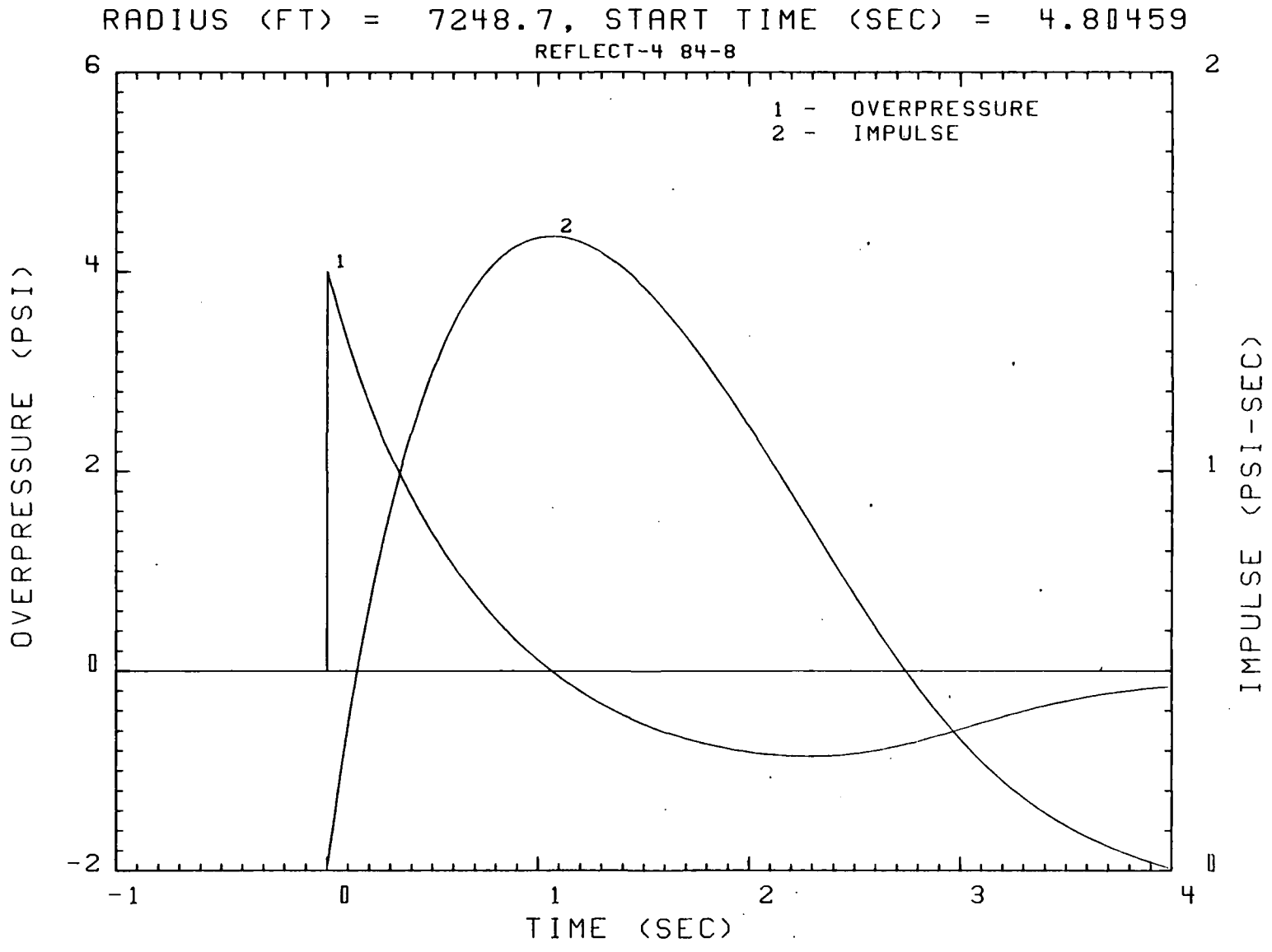

RADIUS (FT) = 5638.9, START TIME (SEC) = 3.53191
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
1
2
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

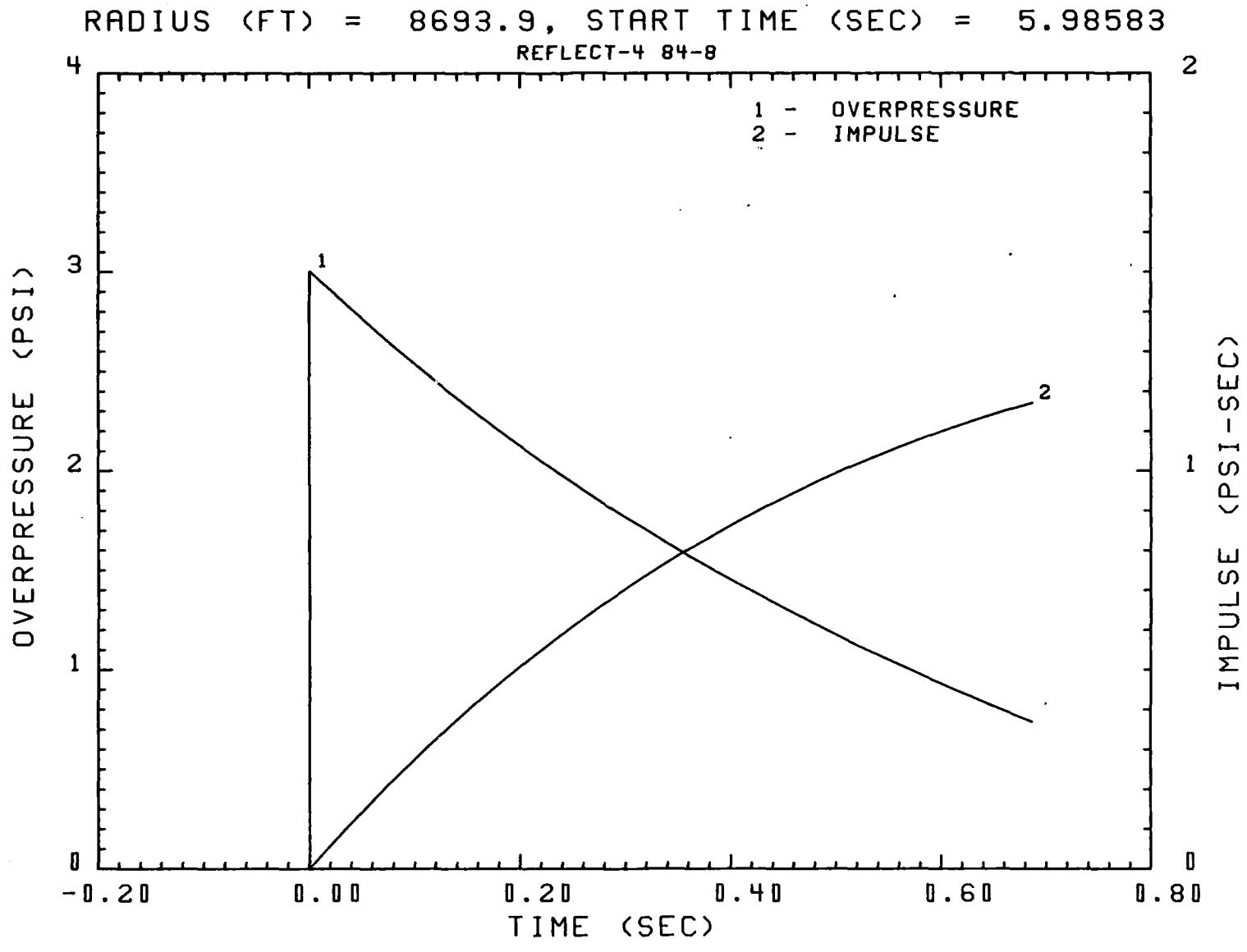

RADIUS (FT) = 5638.9, START TIME (SEC) = 3.53191
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
3
2
1
0
-1
-1
0
1
2
3
4

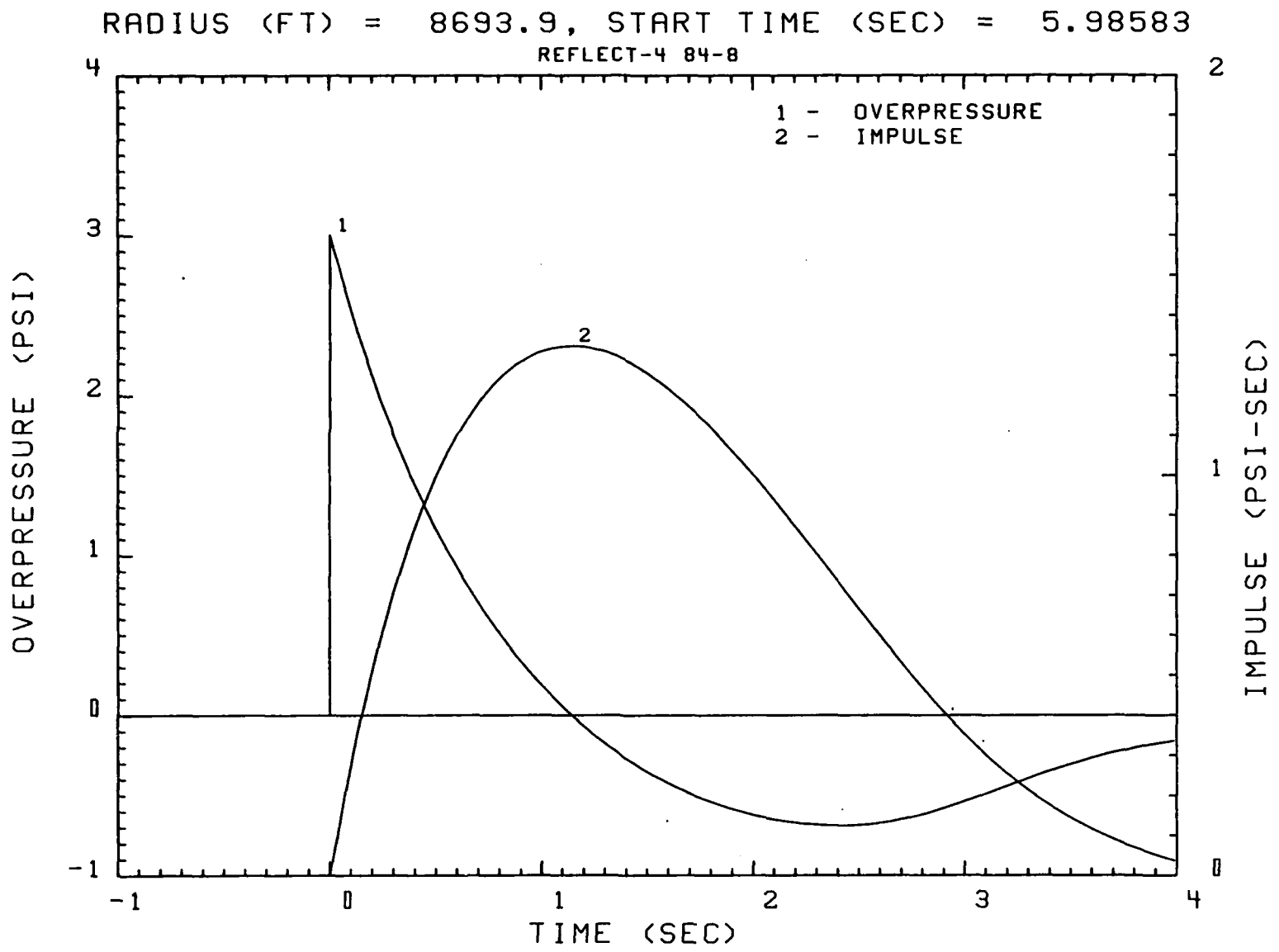

RADIUS (FT) = 6311.6, START TIME (SEC) = 4.05669
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
1
2
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

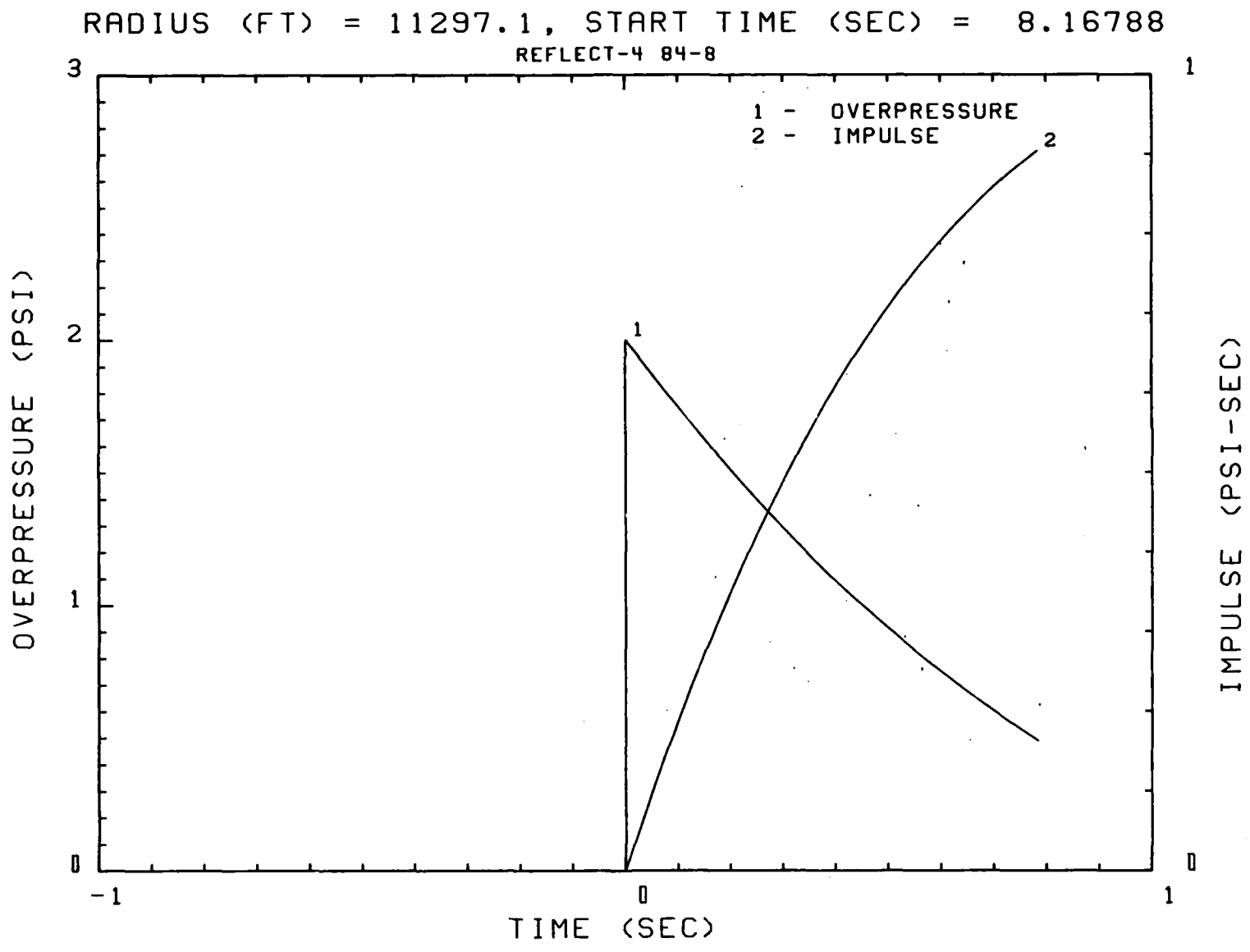

RADIUS (FT) = 6311.6, START TIME (SEC) = 4.05669
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
2
1
0
-1
-1
0
1
2
3
4

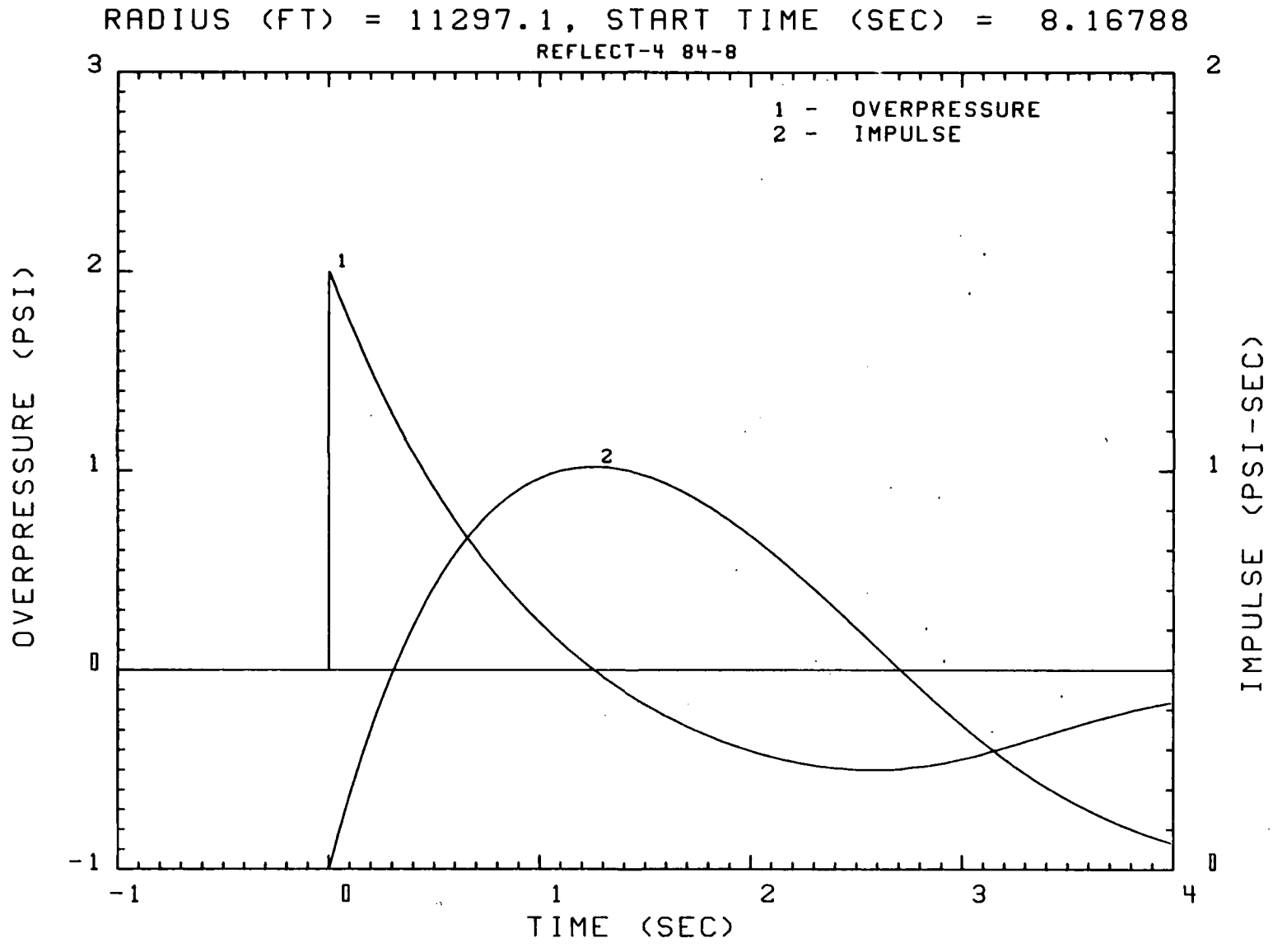

RADIUS (FT) = 7248.7, START TIME (SEC) = 4.80459
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
5
4
3
2
1
0
2
1
0
-1
0
1

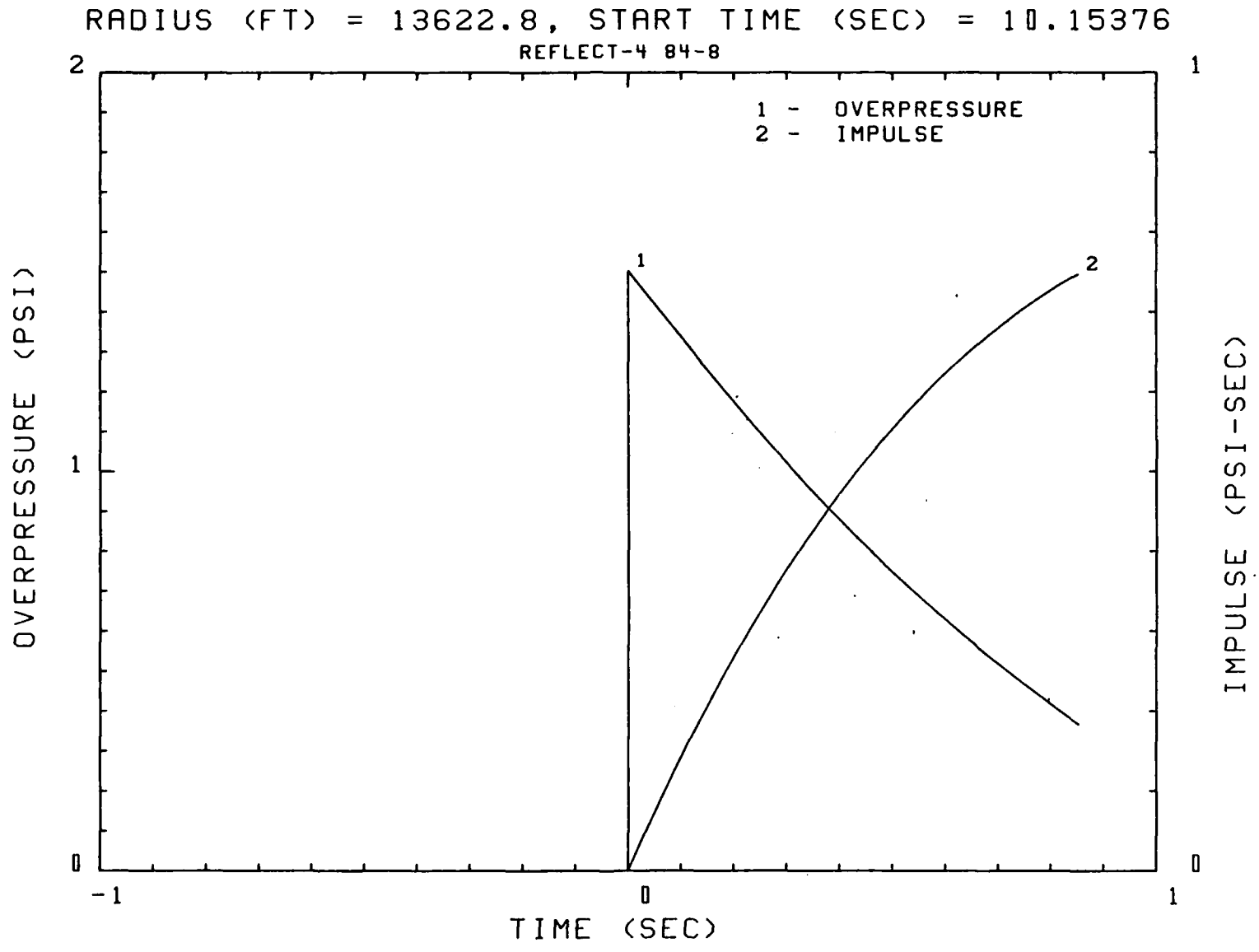

RADIUS (FT) = 7248.7, START TIME (SEC) = 4.80459
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
2
1
0
-1
0
1
2
3
4

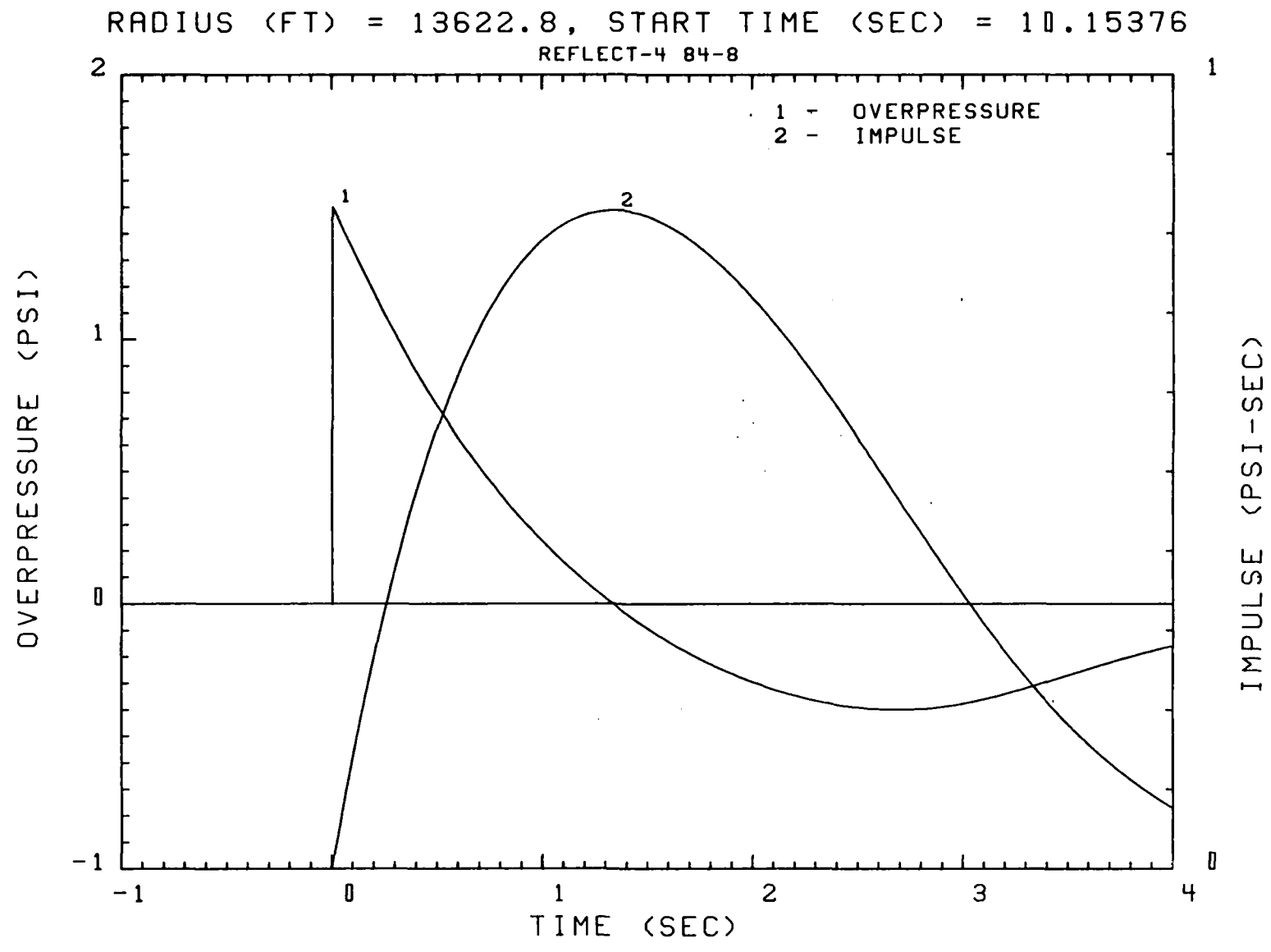

RADIUS (FT) = 8693.9, START TIME (SEC) = 5.98583
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
1
2
3
4
-0.20
0.00
0.20
0.40
0.60
0.80

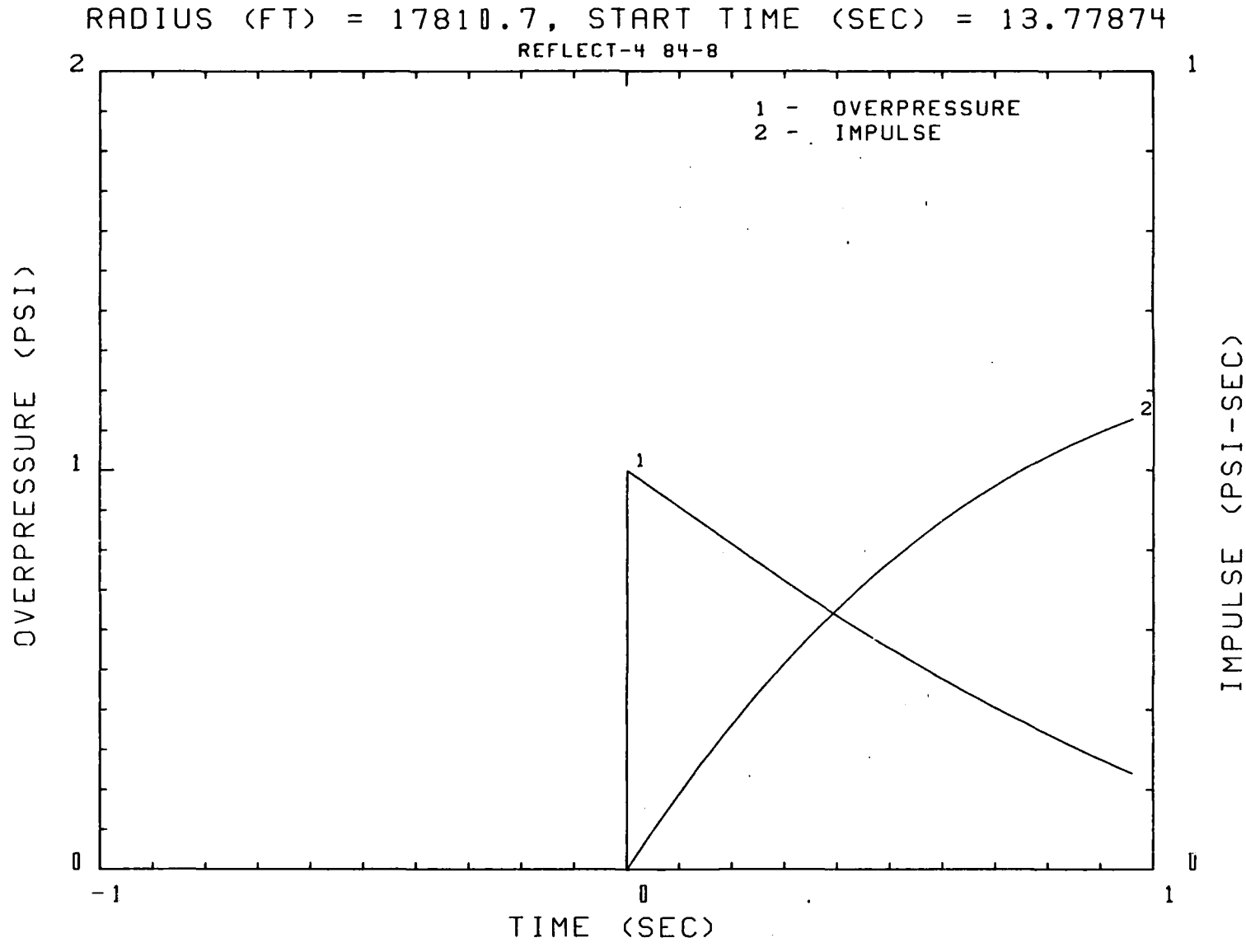

RADIUS (FT) = 8693.9, START TIME (SEC) = 5.98583
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
4
3
2
1
0
-1
-1
0
1
2
3
4
2
1
0


RADIUS (FT) = 11297.1, START TIME (SEC) = 8.16788
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
0
1
1
2

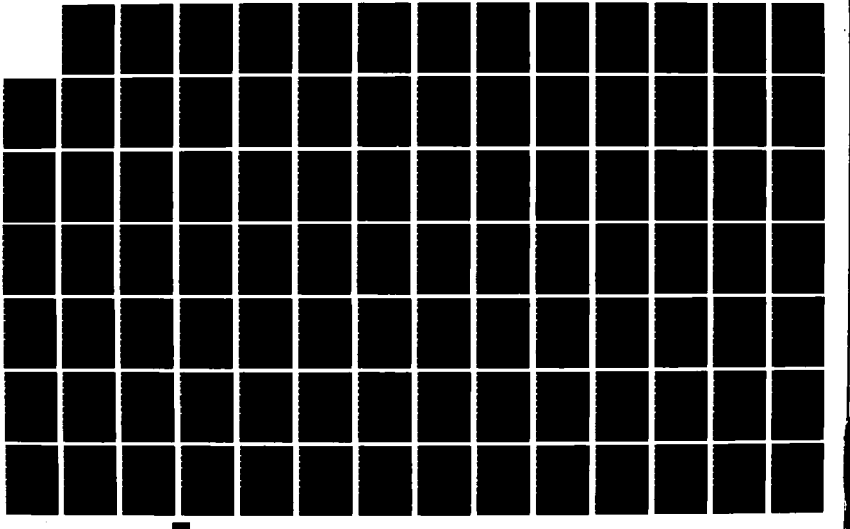

RADIUS (FT) = 11297.1, START TIME (SEC) = 8.16788
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
2
1
0
-1
0
1
2
3
4

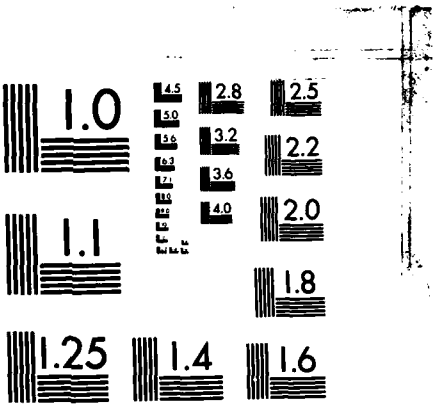

RADIUS (FT) = 13622.8, START TIME (SEC) = 10.15376
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0
1
1
2


RADIUS (FT) = 13622.8, START TIME (SEC) = 10.15376
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
-1
0
1
2
3
4
1
2


RADIUS (FT) = 17810.7, START TIME (SEC) = 13.77874
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0
1
1
2

AD-A168 567 REFLECT-4 CODE COMPUTATIONS OF 40 KT NUCLEAR BLAST 5/6
WAVES REFLECTED FROM T.. (U) KAMAN AVIDYNE BURLINGTON MA
R F SMILEY ET AL 14 SEP 84 KA-TR-222-VOL-2
UNCLASSIFIED DNA-TR-84-348-V2 DNA001-83-C-0351 F/G 18/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

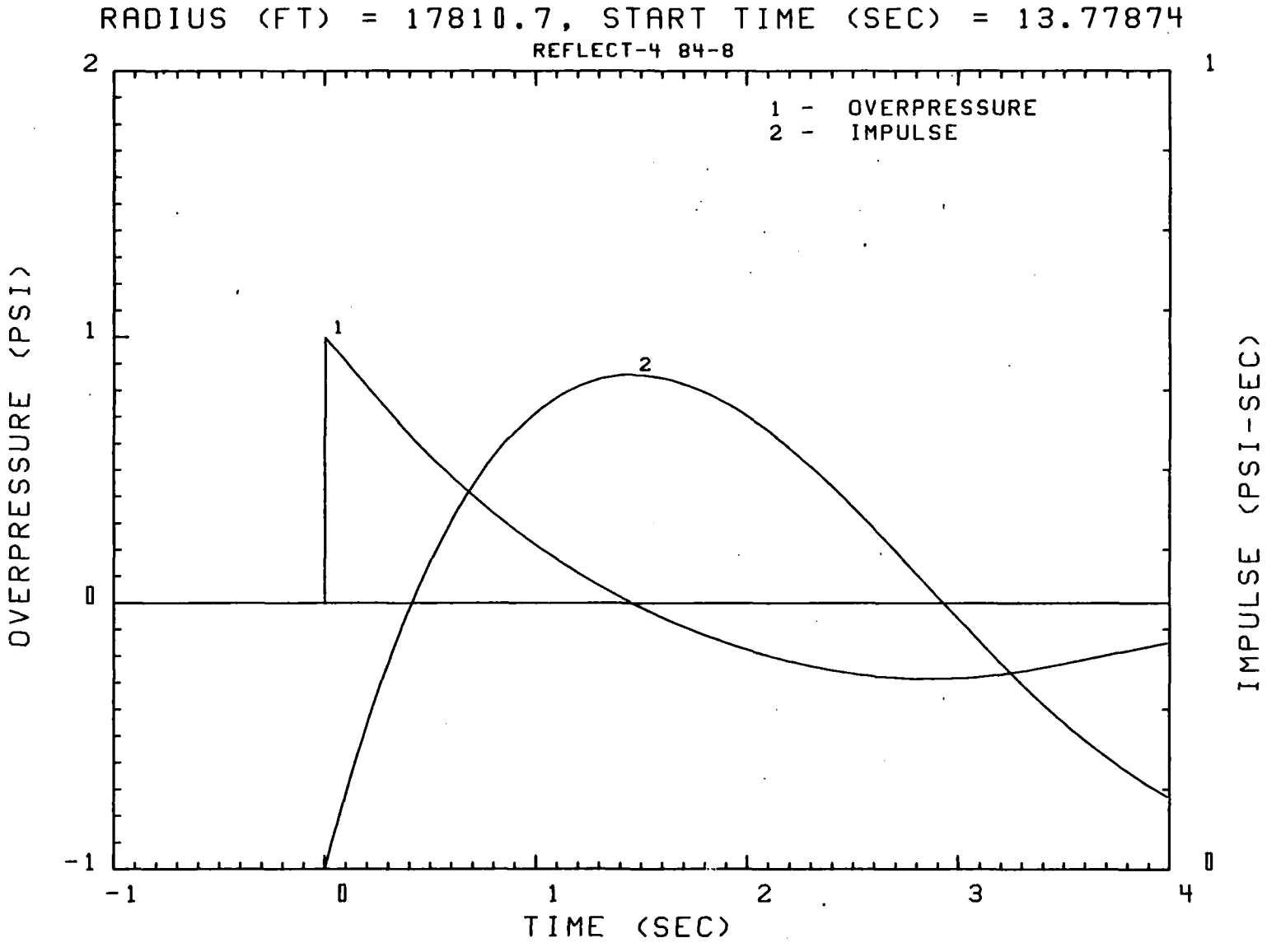
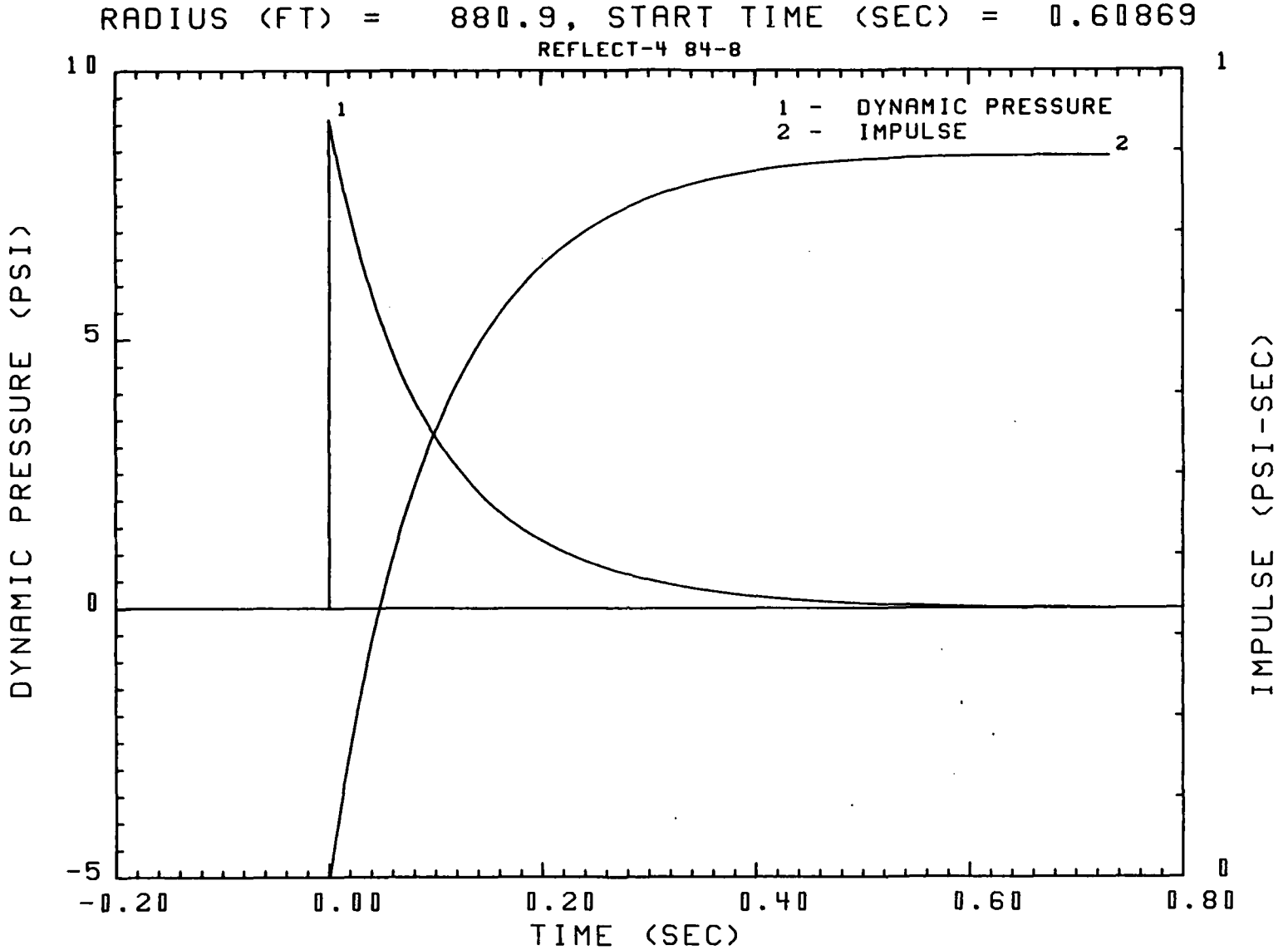
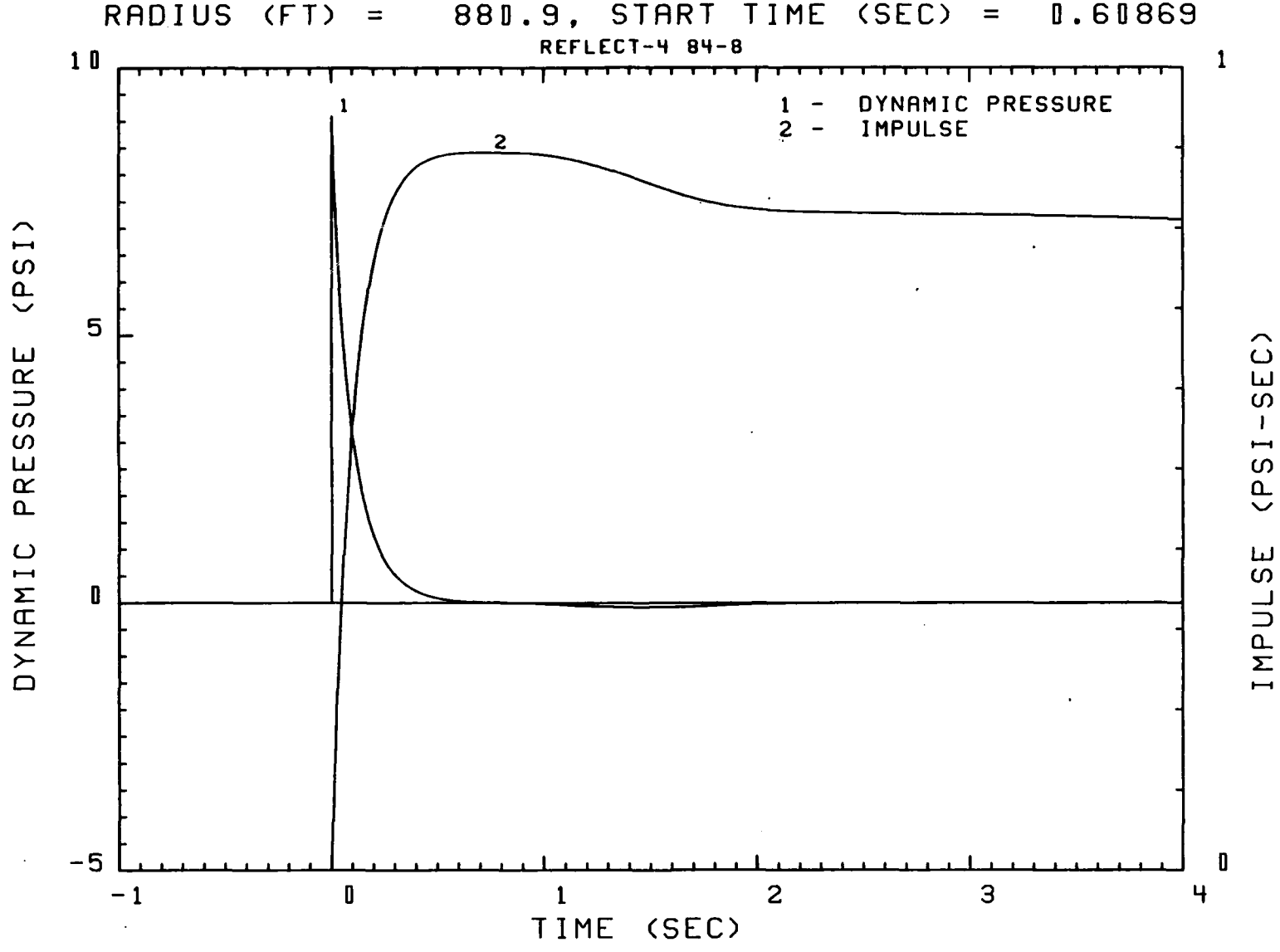

RADIUS (FT) = 17810.7, START TIME (SEC) = 13.77874
REFLECT-4 84-8
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
1
0
-1
0
1
2
3
4

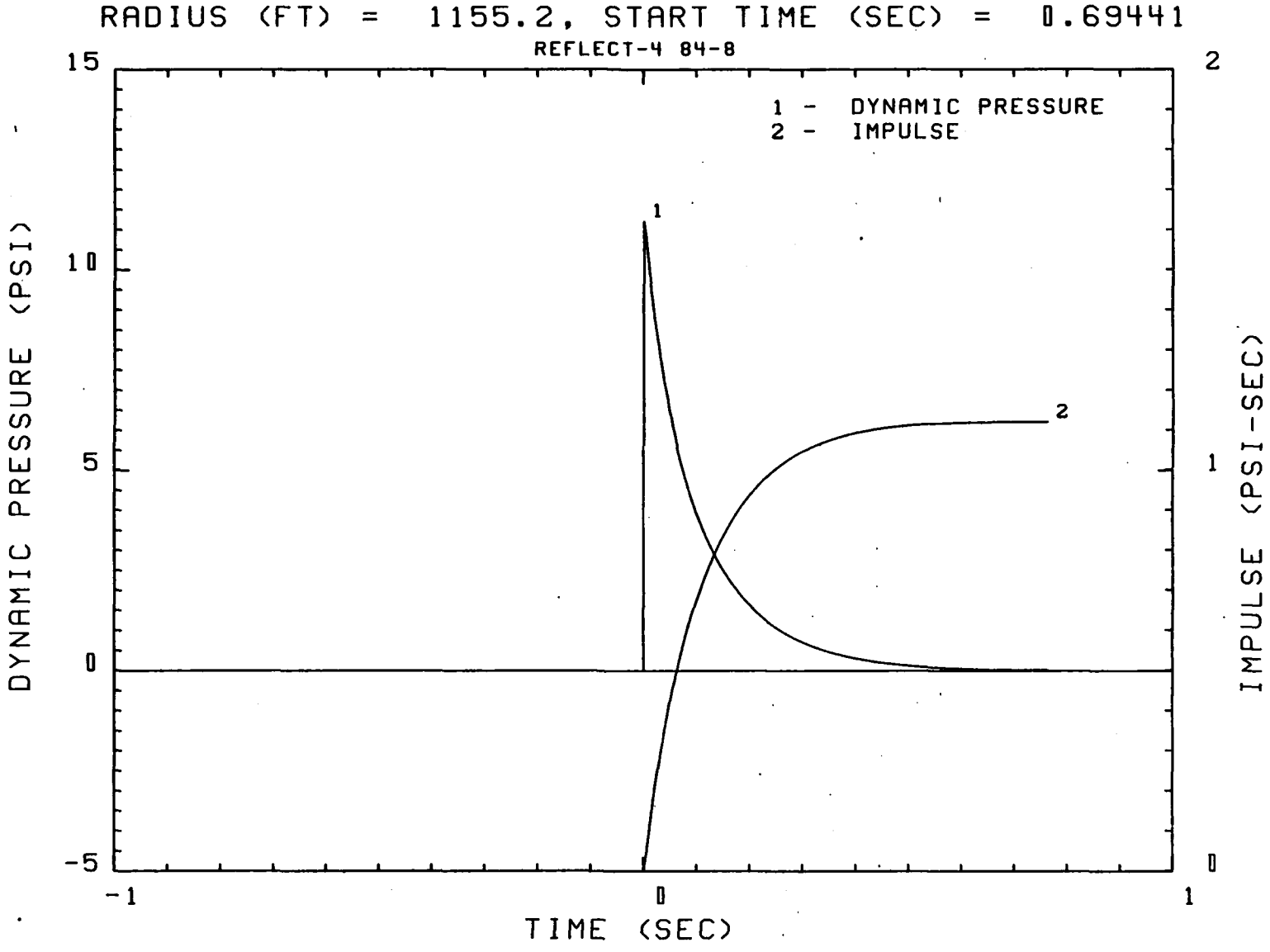
Table 14. Ground range and maximum dynamic pressure for dynamic pressure plots for 1710-ft HOB.

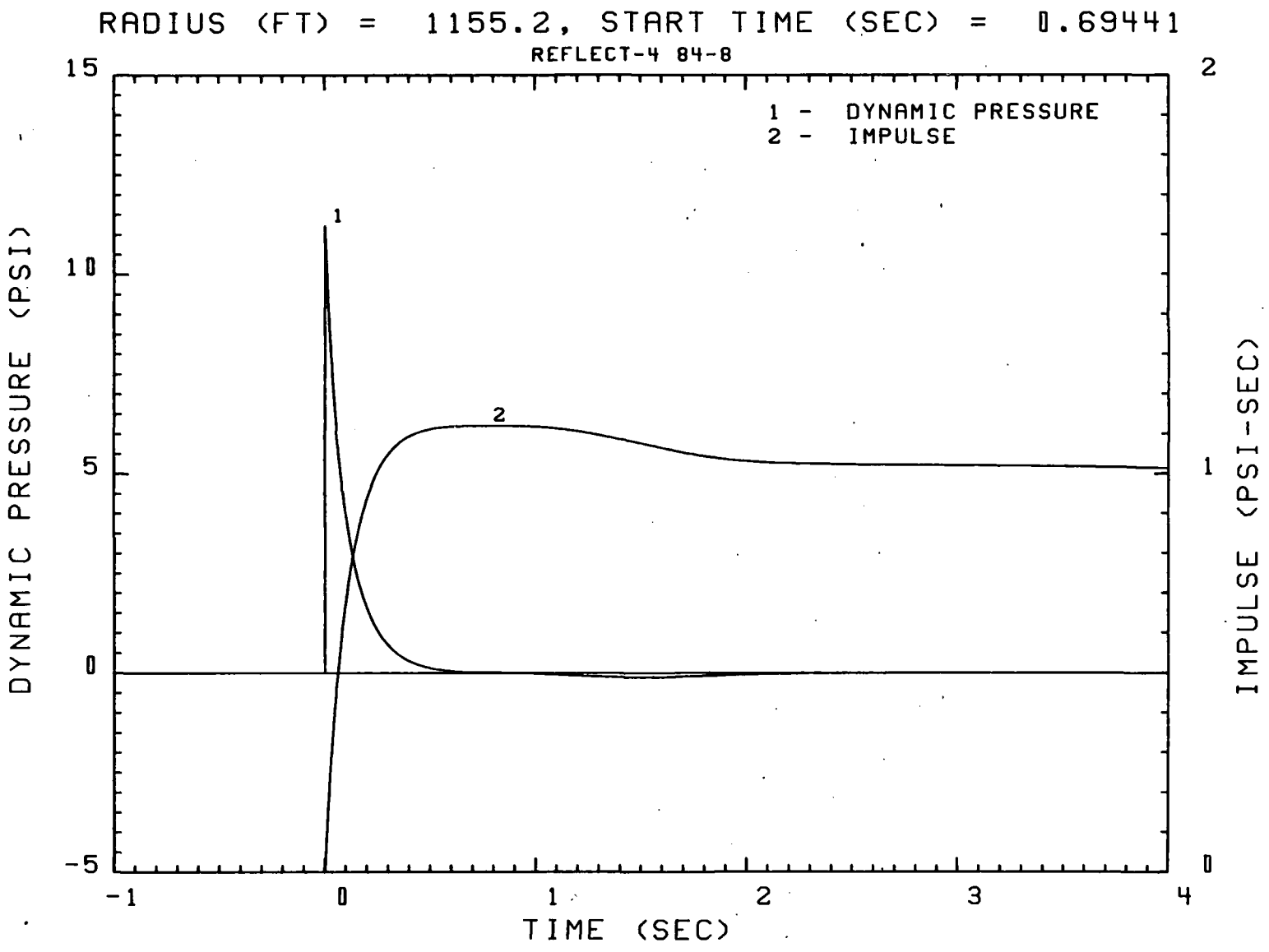
Range (ft)	Maximum Dynamic Pressure (psi)
880.9	9.2
1155.2	11.4
1326.8	12.3
1486.7	14.0
1568.8	16.0
1654.5	20.4
1680.3	27.6
1706.4	28.4
1768.7	30.0
1899.9	25.0
2052.8	20.0
2258.3	15.0
2585.0	10.0
2673.9	9.0
2773.8	8.0
2891.2	7.0
3040.2	6.0
3225.5	5.0
3462.2	4.0
3798.2	3.0
4691.7	1.5
5314.4	1.0
5816.6	0.75
6616.5	0.50
8260.5	0.25
11150.0	0.10
14015.1	0.05
17603.7	0.025

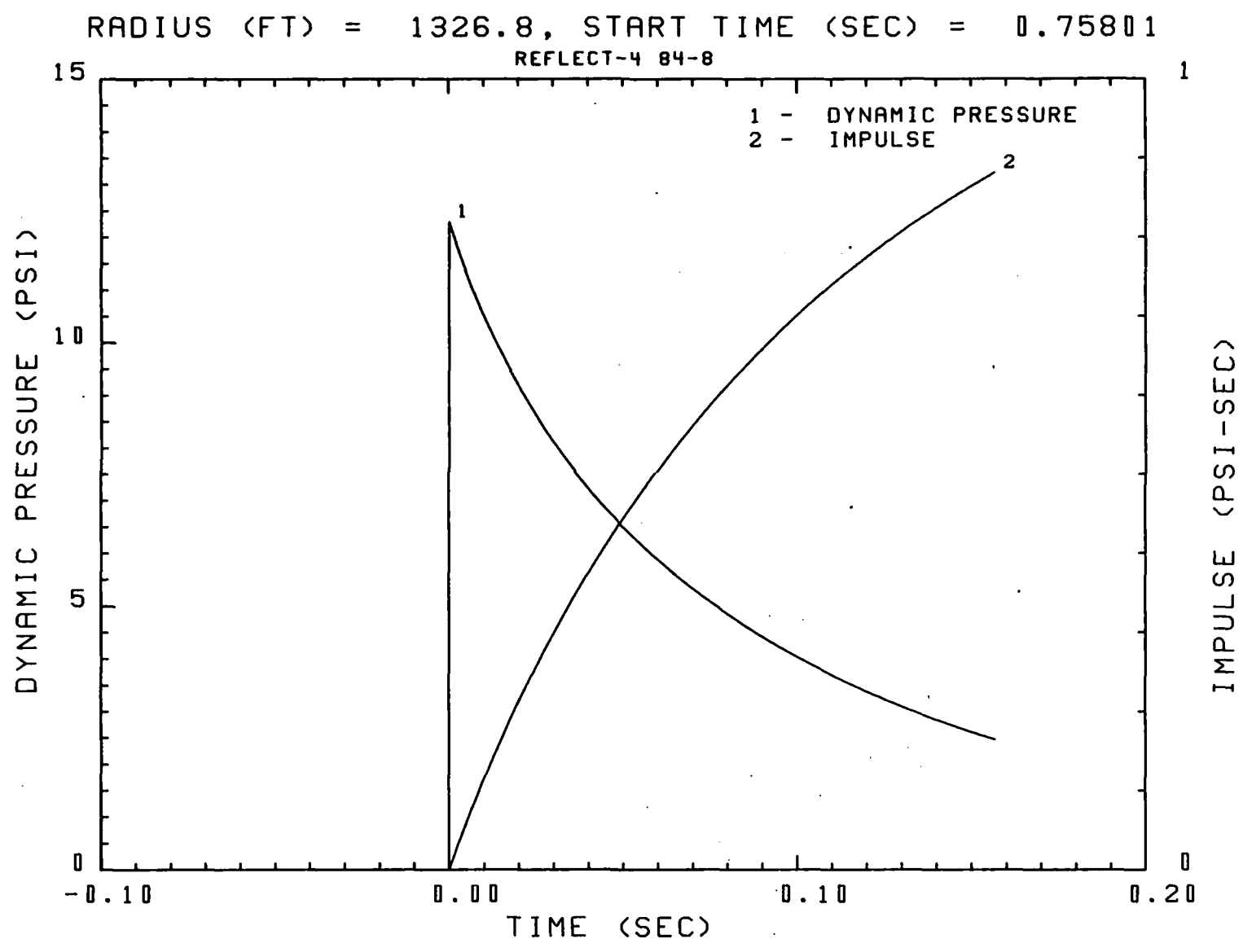
Figure 4. Dynamic pressure and impulse time histories for 1710-ft HOB.

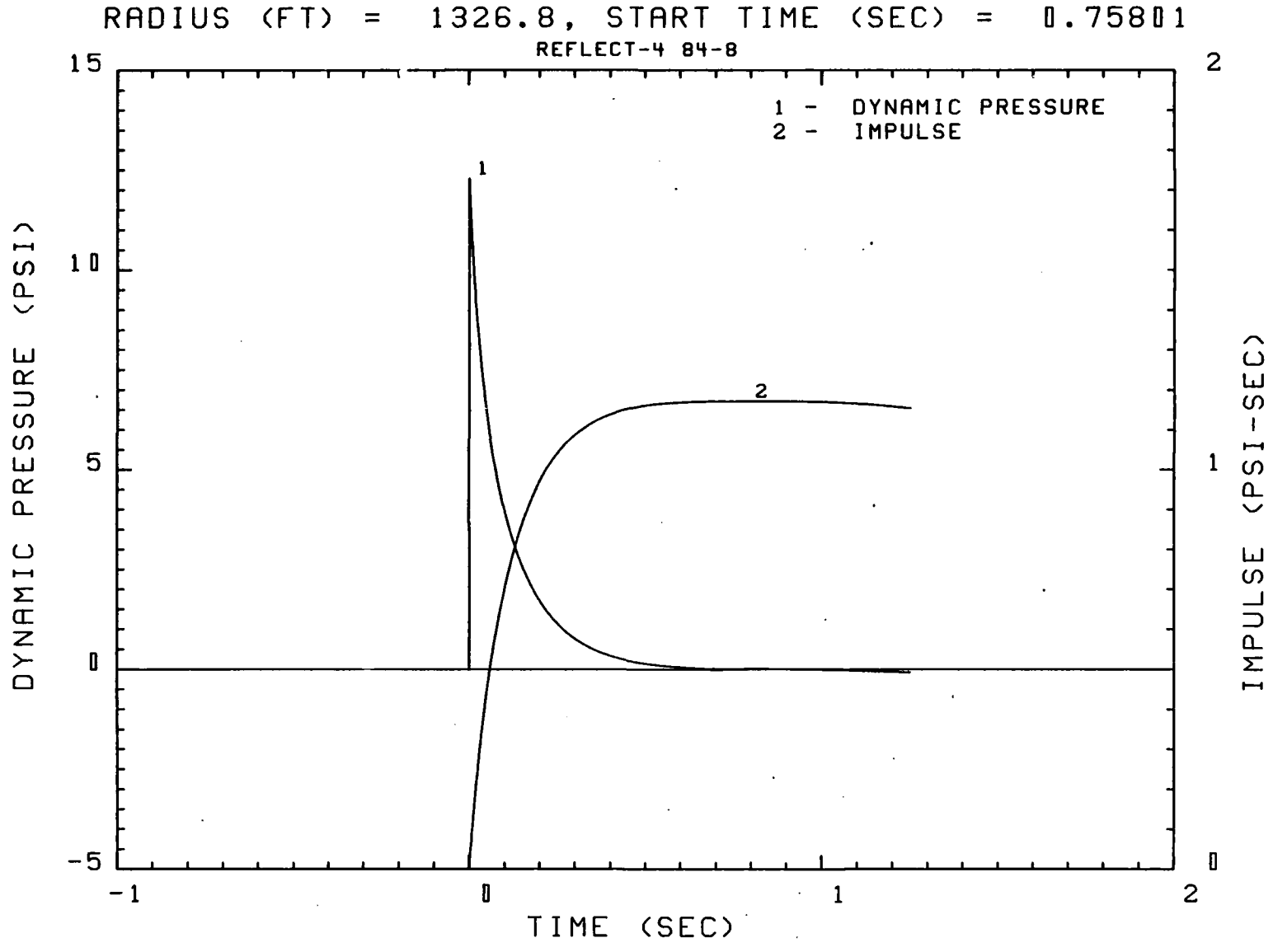

RADIUS (FT) = 880.9, START TIME (SEC) = 0.60869
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
1
0
-0.20
0.00
0.20
0.40
0.60
0.80

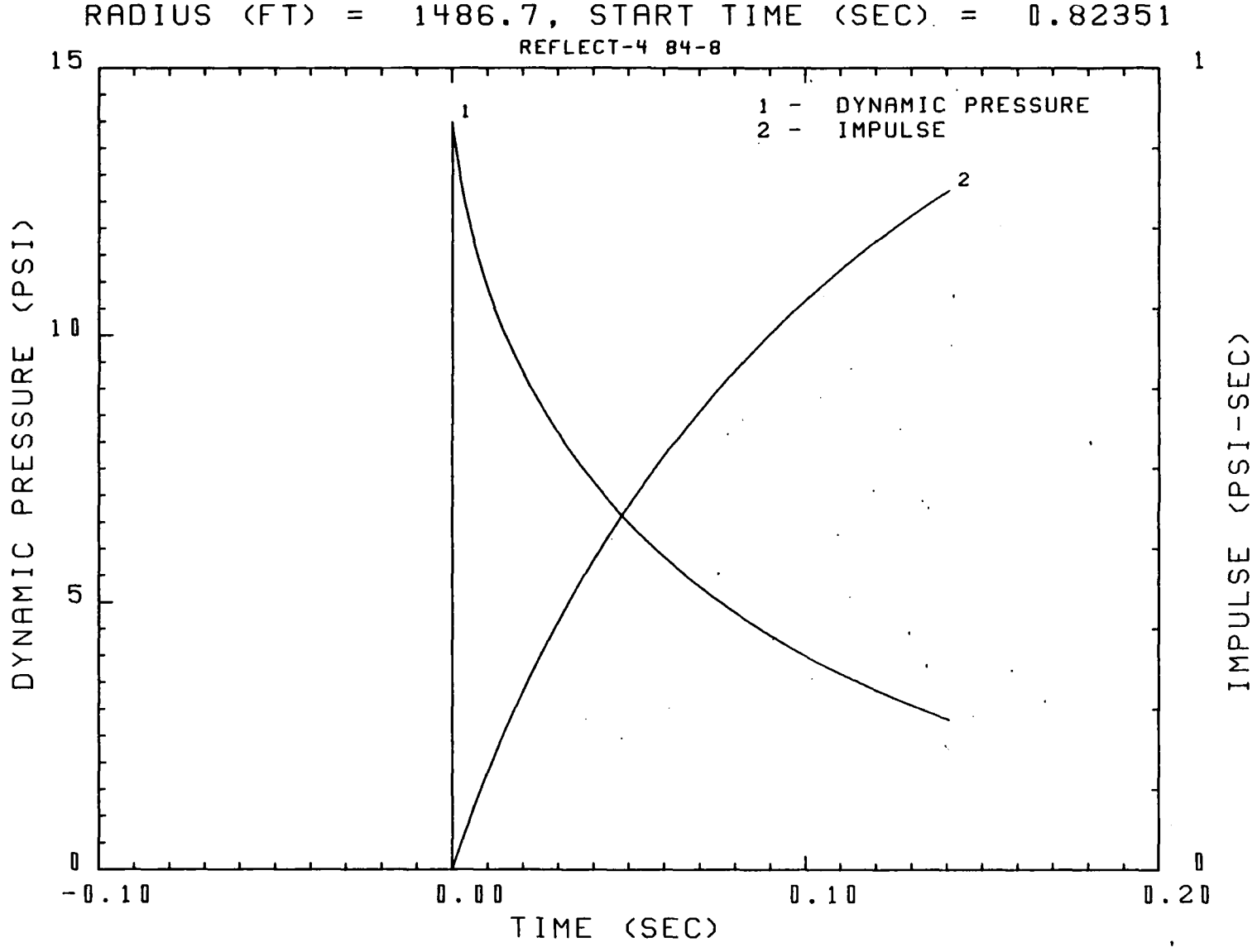

RADIUS (FT) = 880.9, START TIME (SEC) = 0.60869
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
1
0
-1
-1
0
1
2
3
4

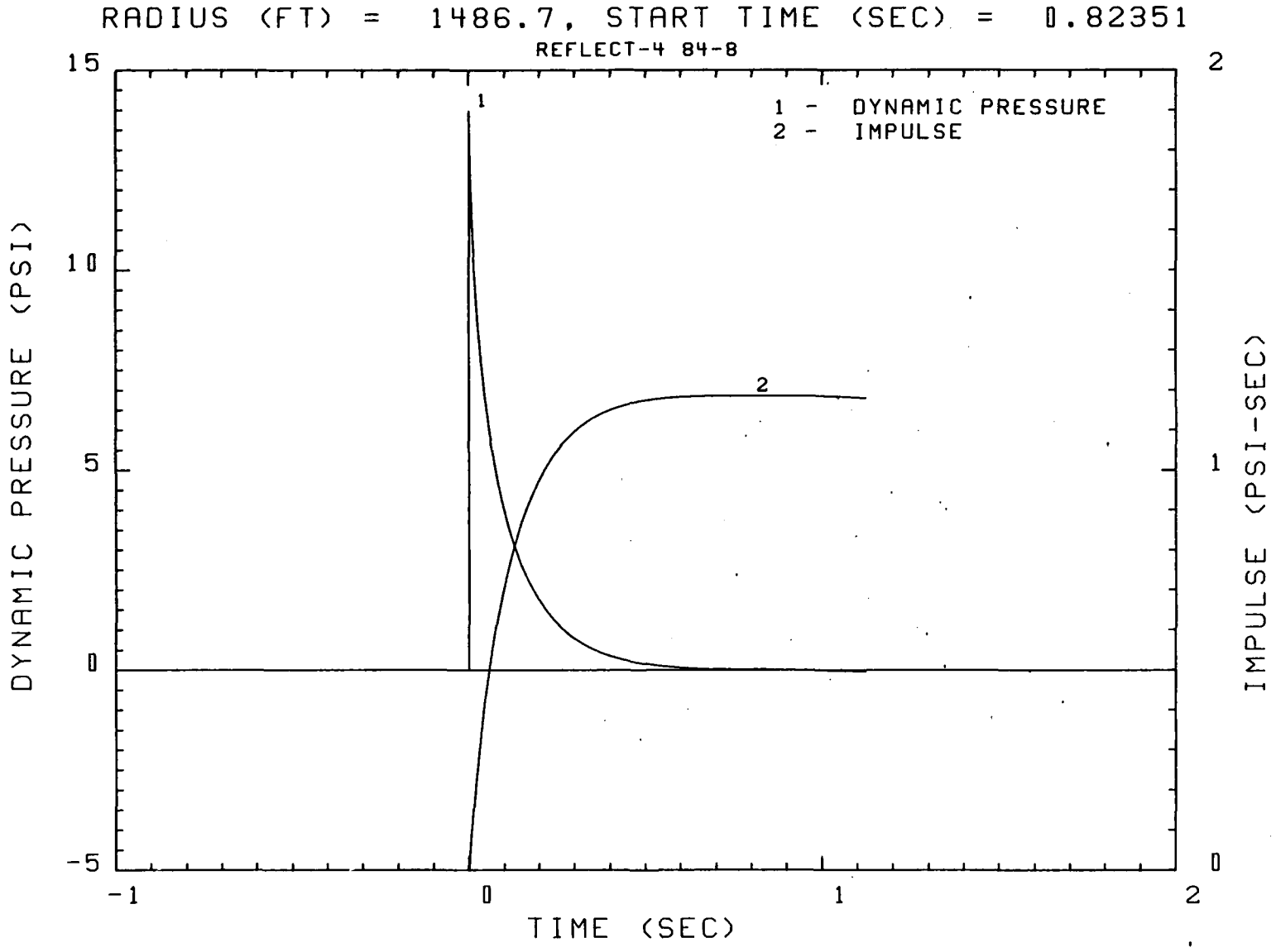

RADIUS (FT) = 1155.2, START TIME (SEC) = 0.69441
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
2
1
0
-1
0
1
1
2

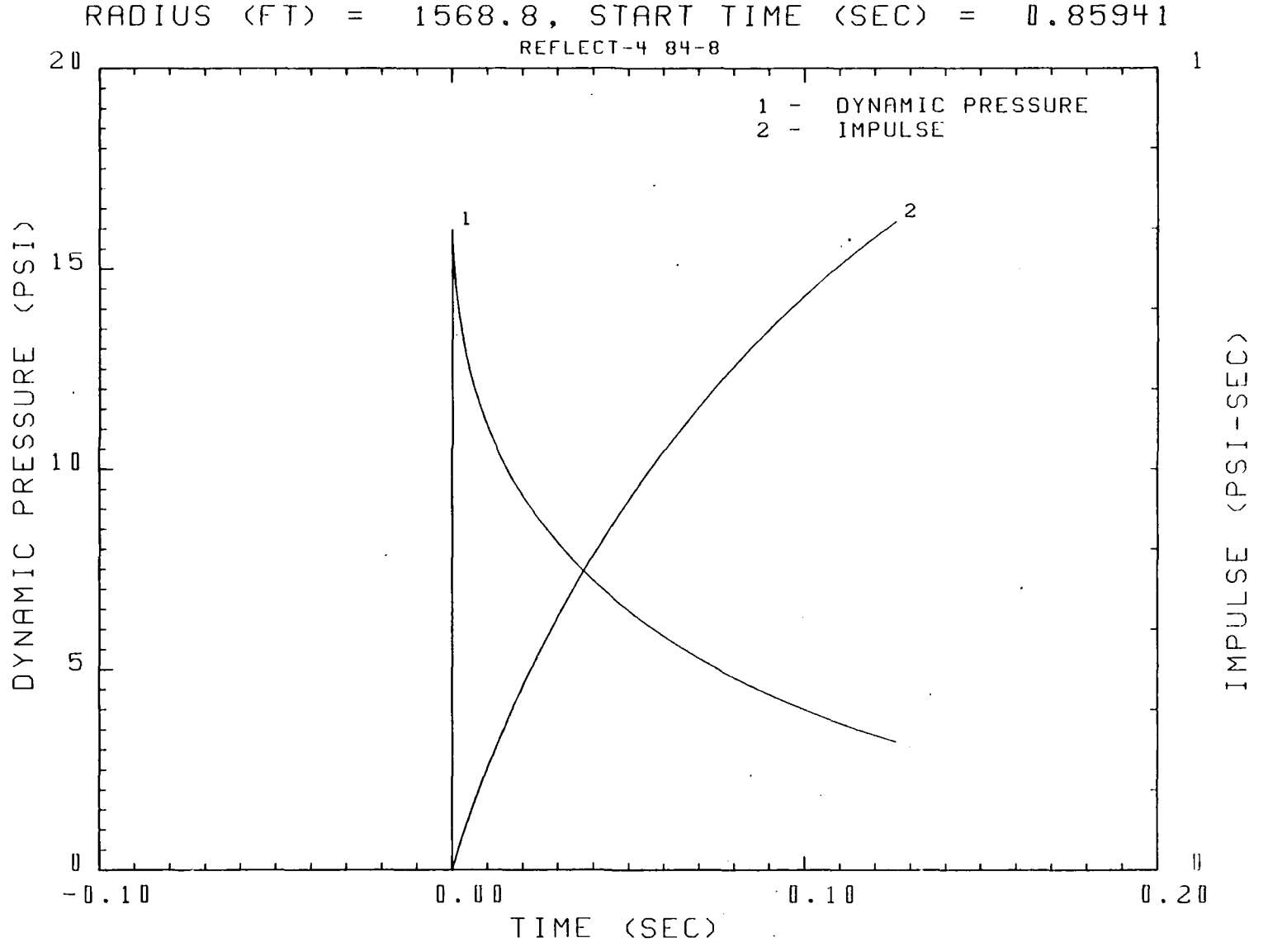

RADIUS (FT) = 1155.2, START TIME (SEC) = 0.69441
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
2
1
0
-1
0
1
2
3
4
1
2

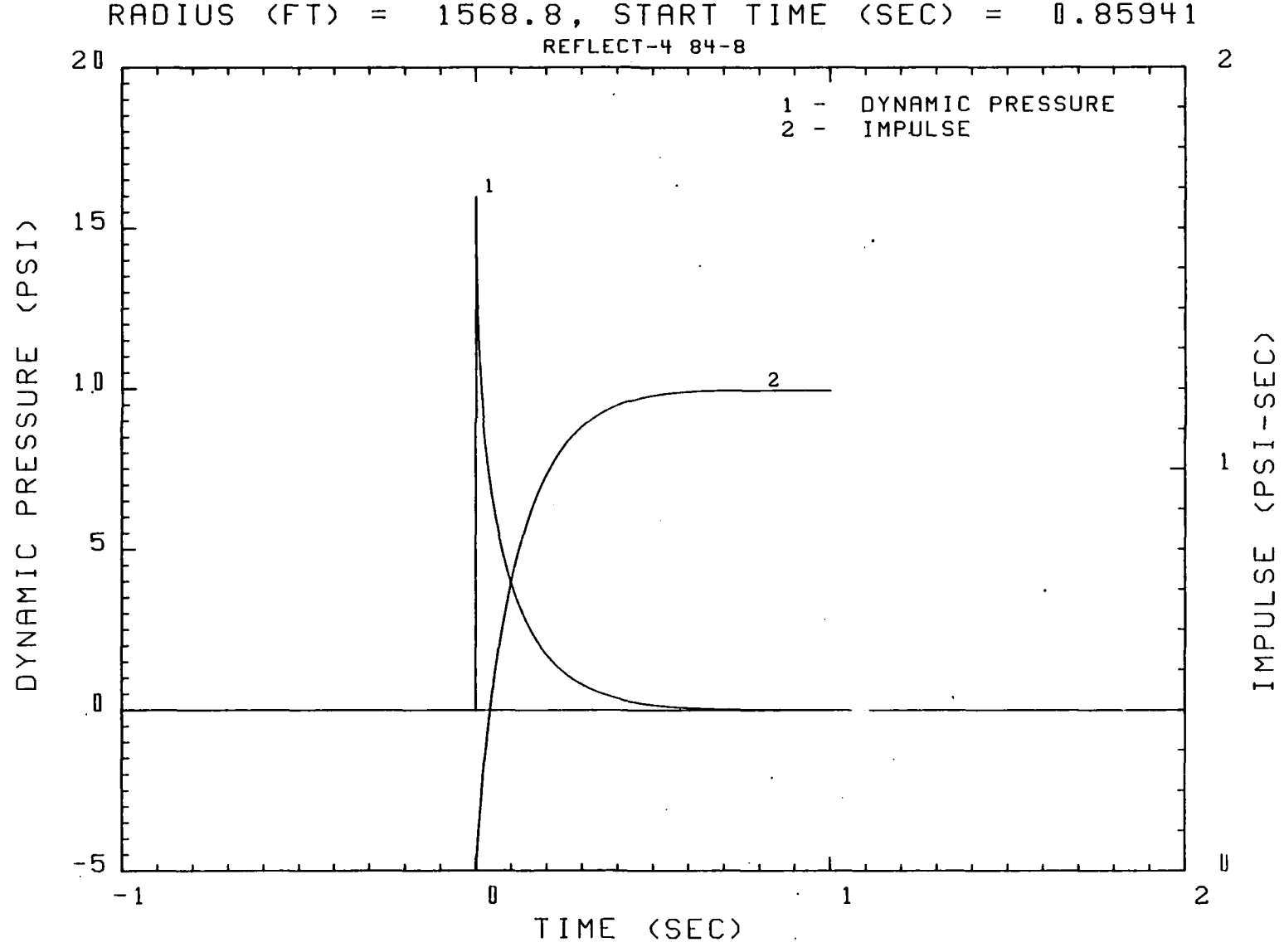

RADIUS (FT) = 1326.8, START TIME (SEC) = 0.75801
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
1
0
-0.10
0.00
0.10
0.20

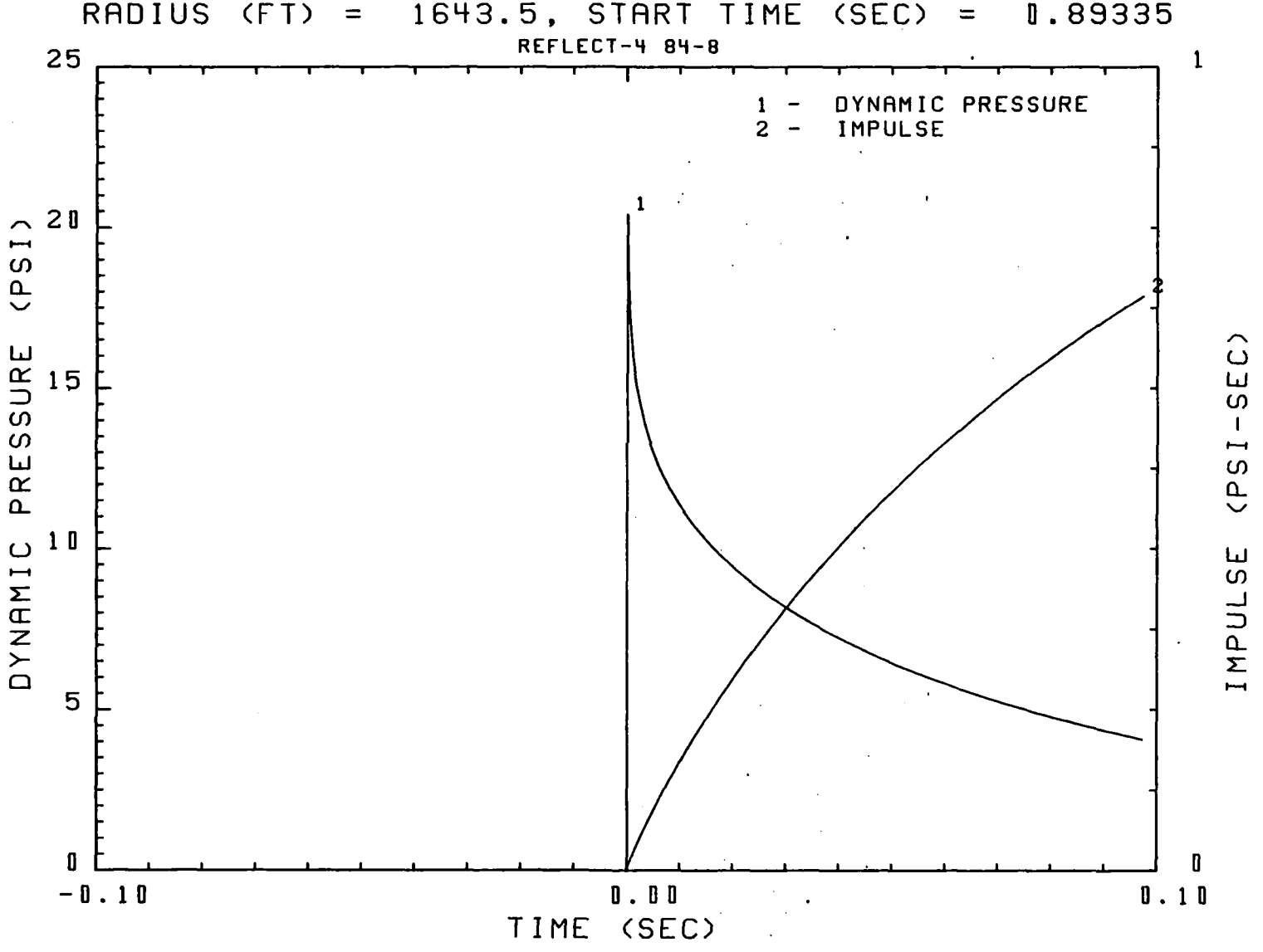

RADIUS (FT) = 1326.8, START TIME (SEC) = 0.75801
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
2
1
0
-1
0
1
2

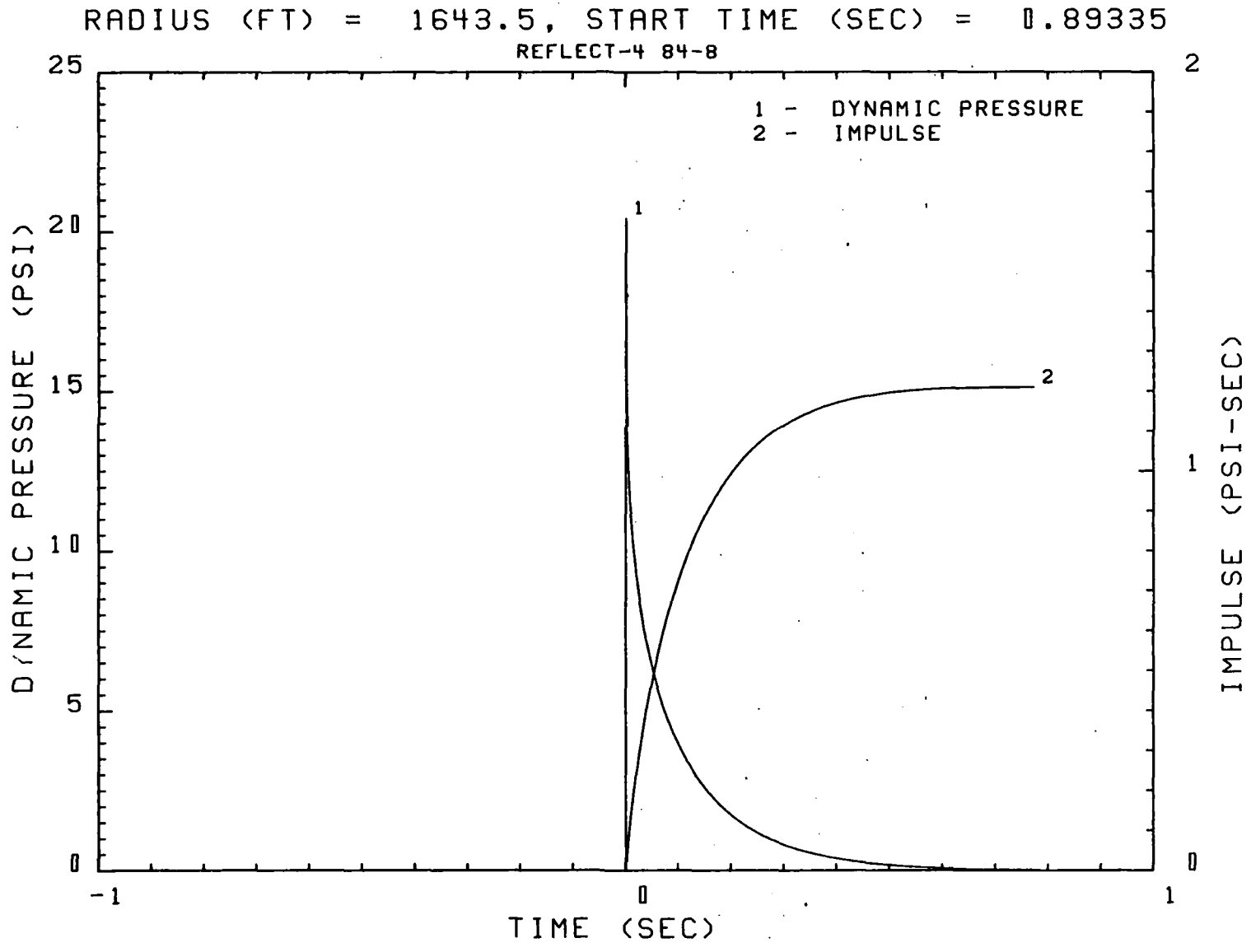

RADIUS (FT) = 1486.7, START TIME (SEC) = 0.82351
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
1
0
-0.10
0.00
0.10
0.20

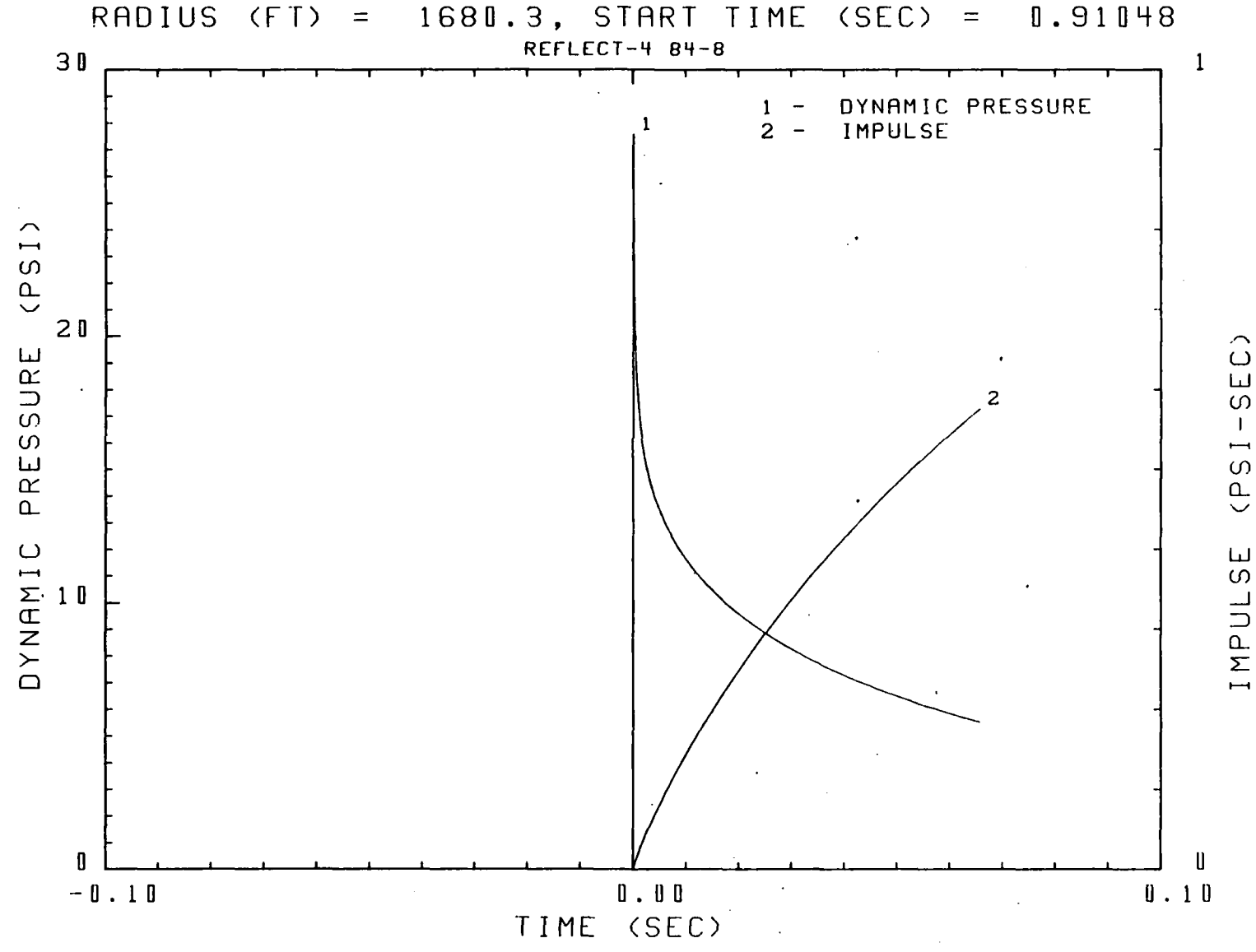

RADIUS (FT) = 1486.7, START TIME (SEC) = 0.82351
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
2
1
0
-1
0
1
2

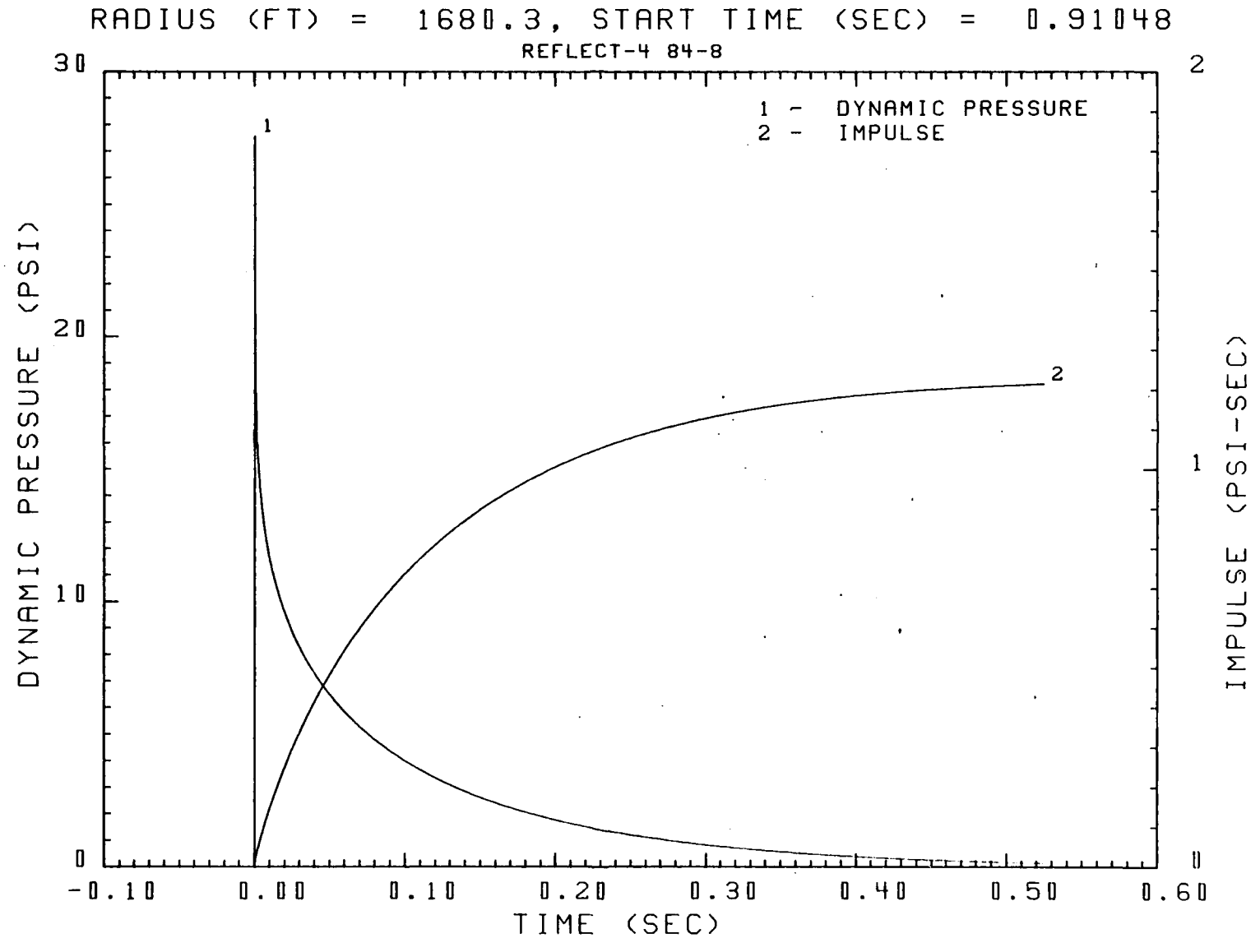

RADIUS (FT) = 1568.8, START TIME (SEC) = 0.85941
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
1
0
-0.10
0.00
0.10
0.20

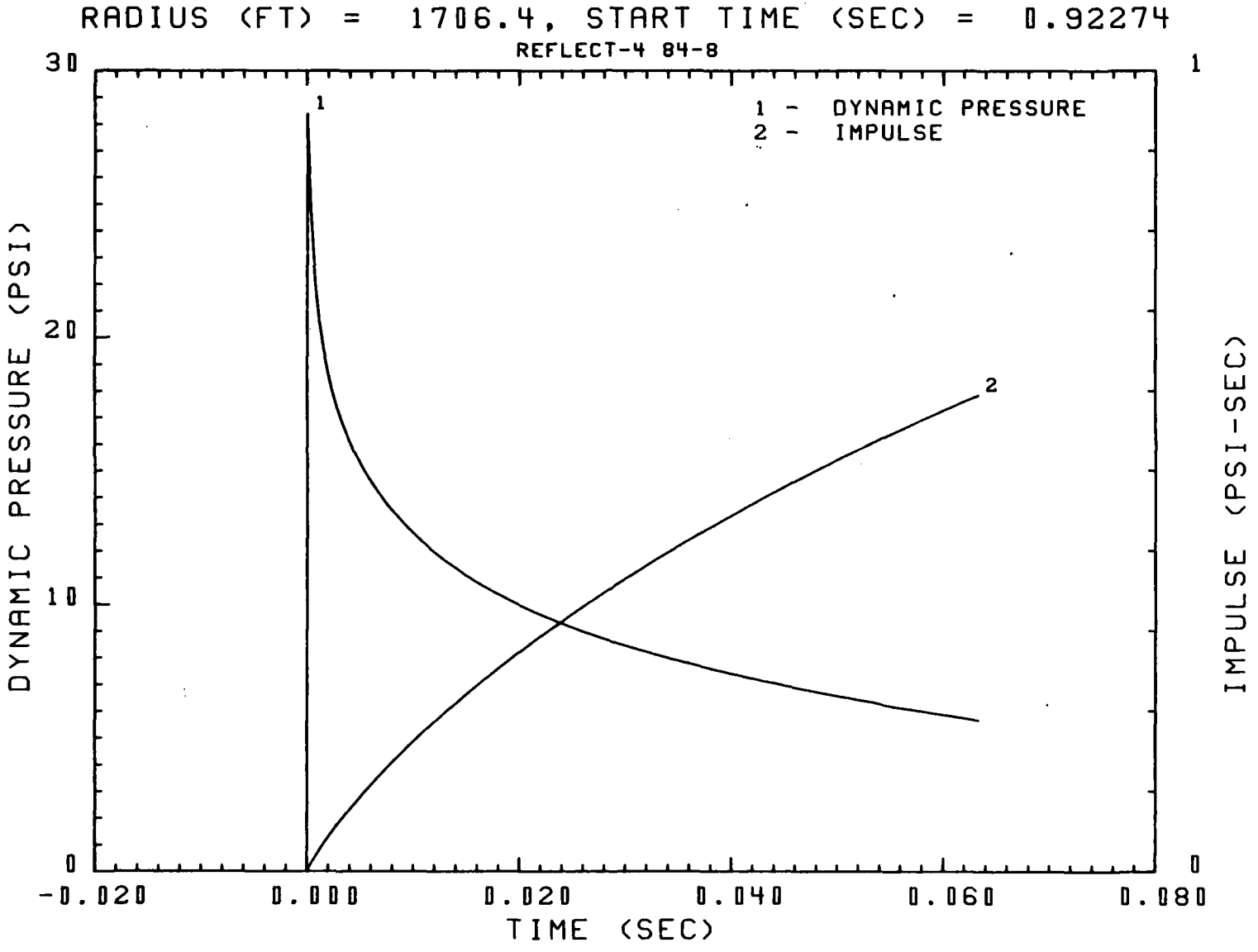

RADIUS (FT) = 1568.8, START TIME (SEC) = 0.85941
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
-5
2
1
0
-1
1
2
0

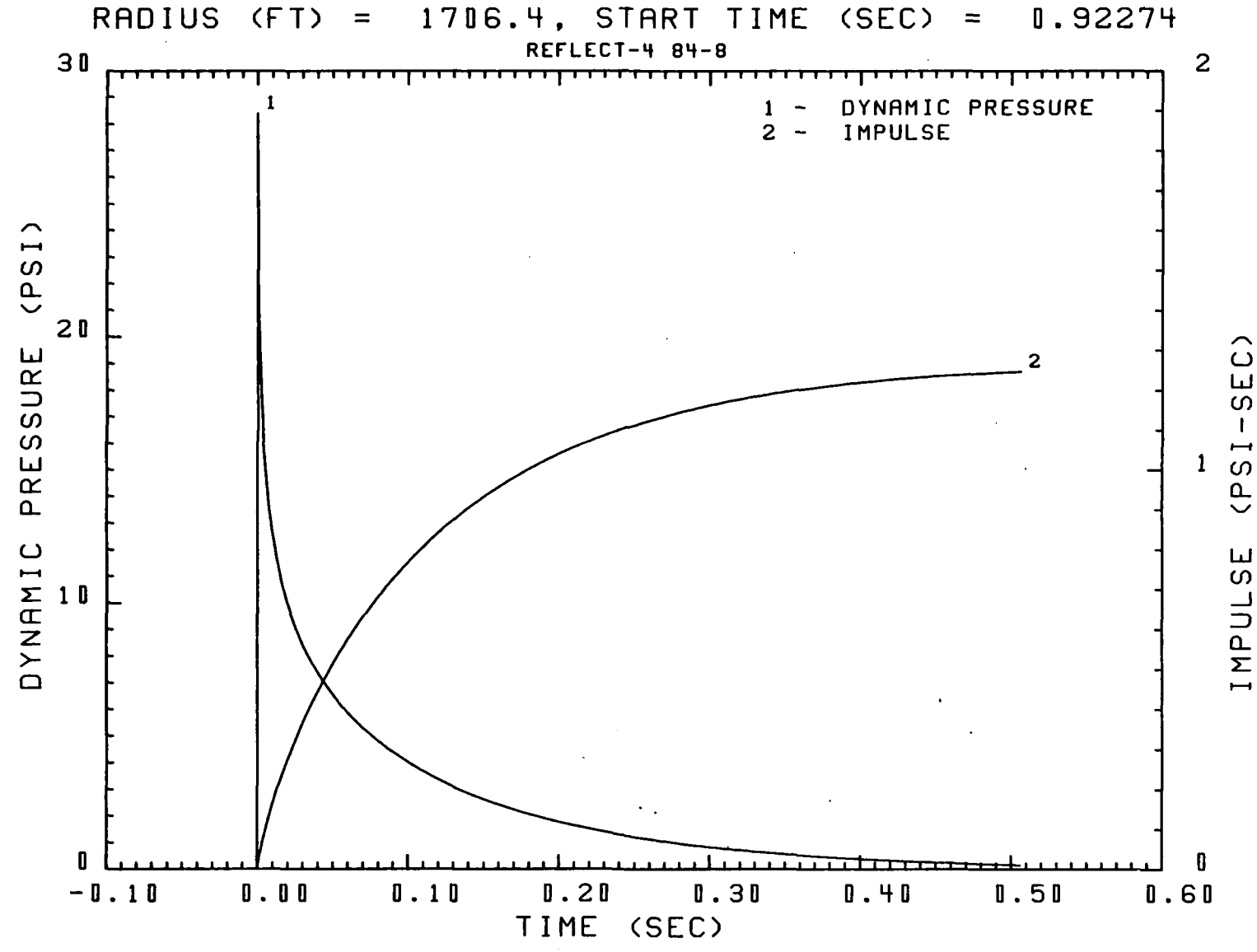

RADIUS (FT) = 1643.5, START TIME (SEC) = 0.89335
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
25
20
15
10
5
0
1
0
-0.10
0.00
0.10

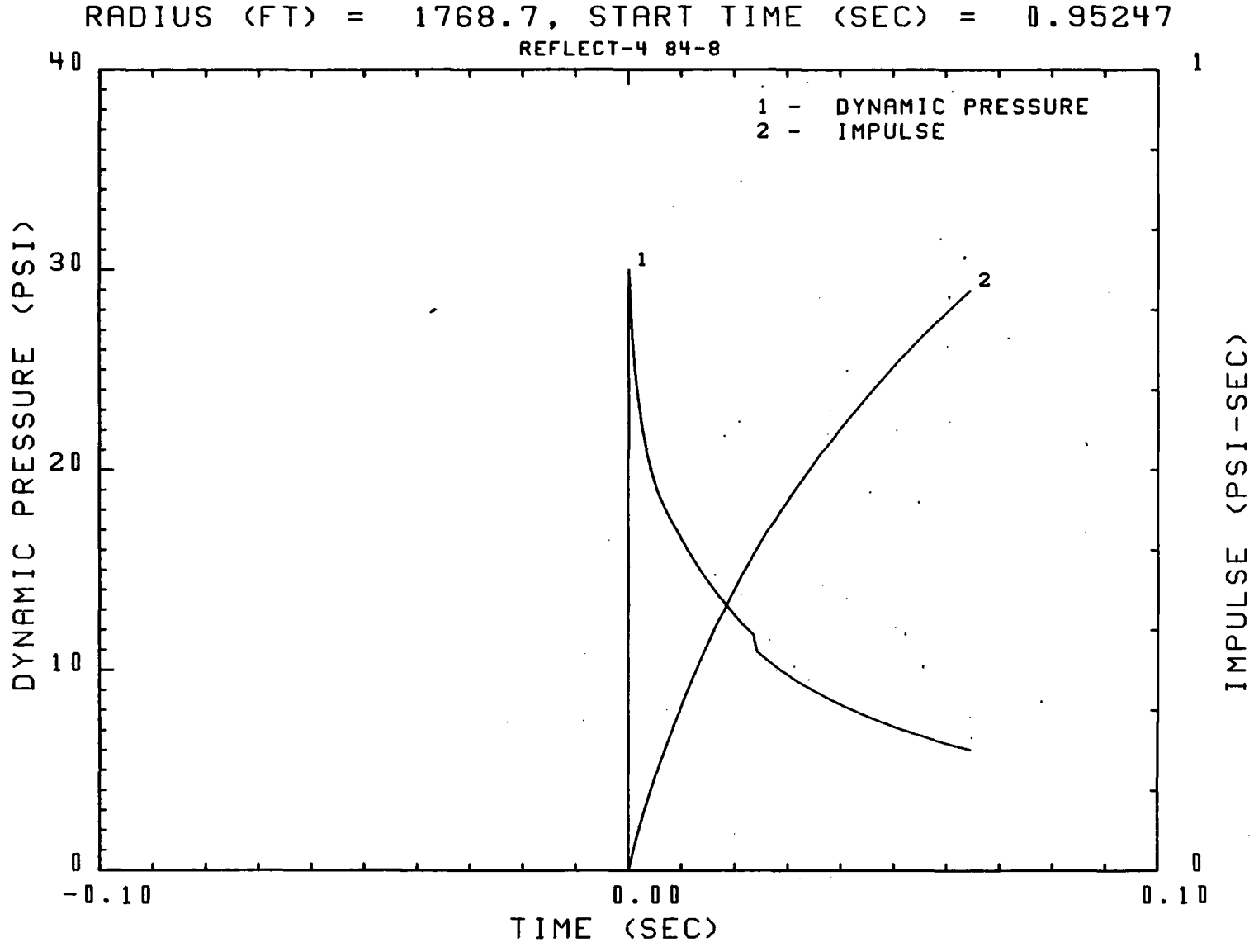

RADIUS (FT) = 1643.5, START TIME (SEC) = 0.89335
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
25
20
15
10
5
0
2
1
0
-1
0
1
1
2

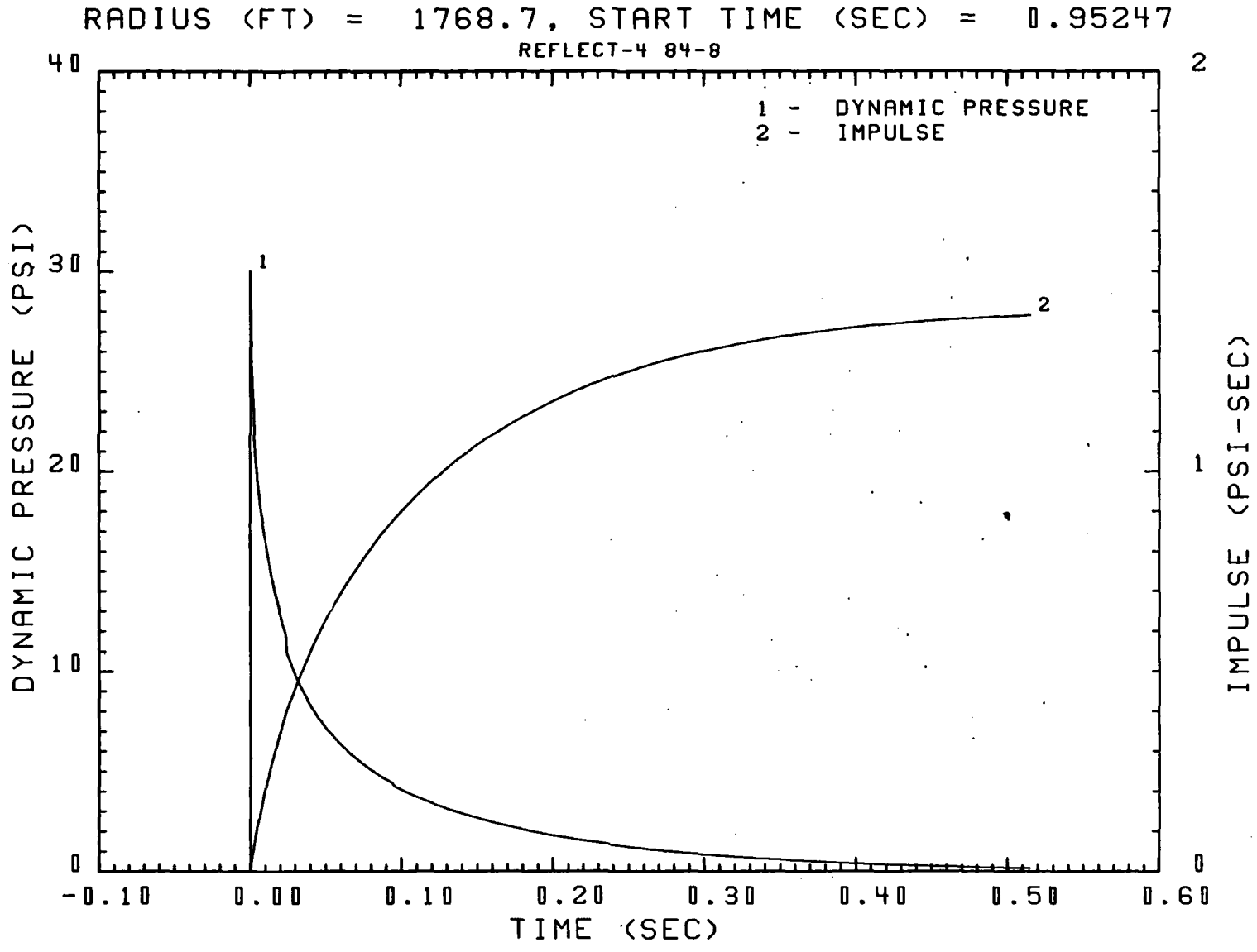

RADIUS (FT) = 1680.3, START TIME (SEC) = 0.91048
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
1
0
-0.10
0.00
0.10

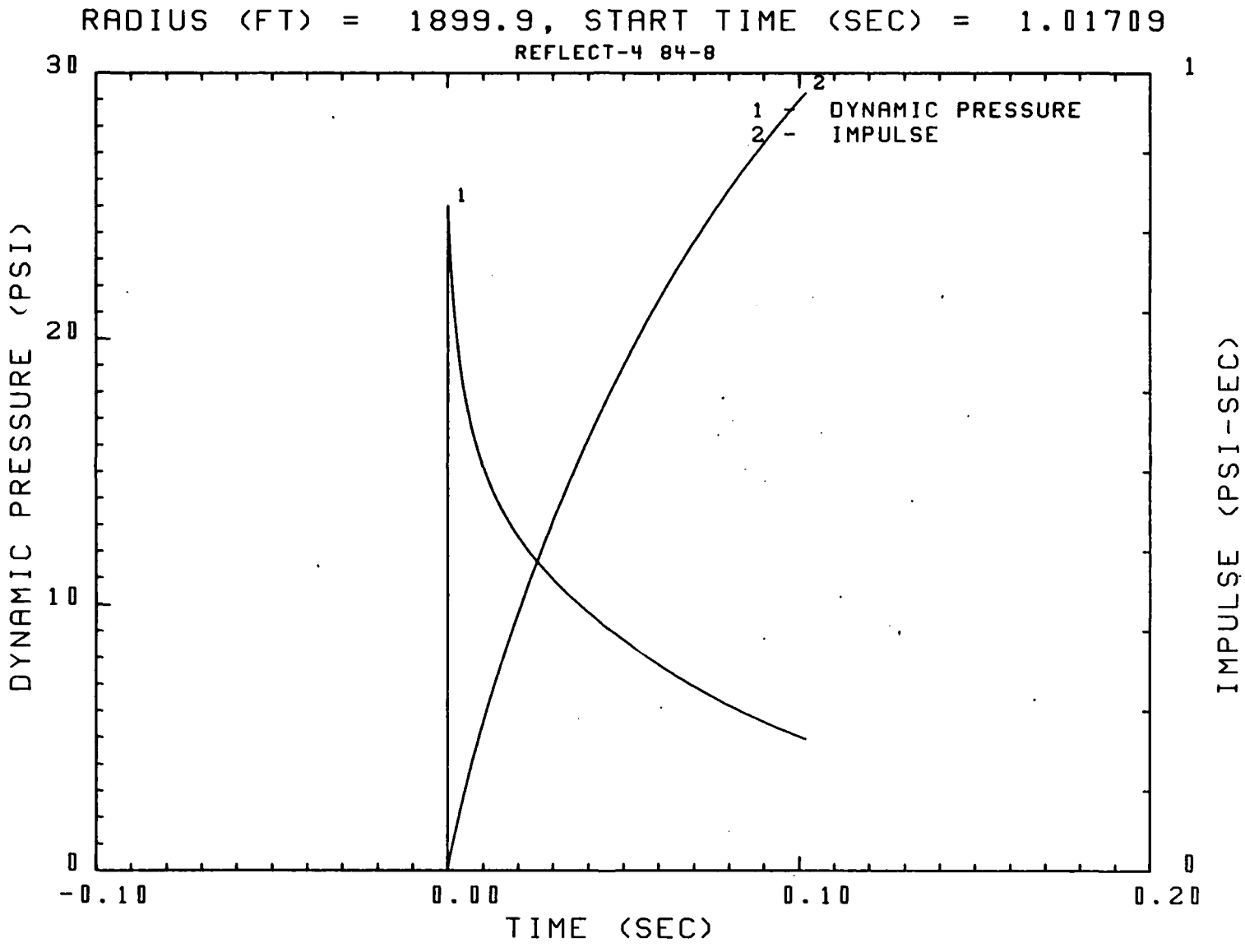

RADIUS (FT) = 1680.3, START TIME (SEC) = 0.91048
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

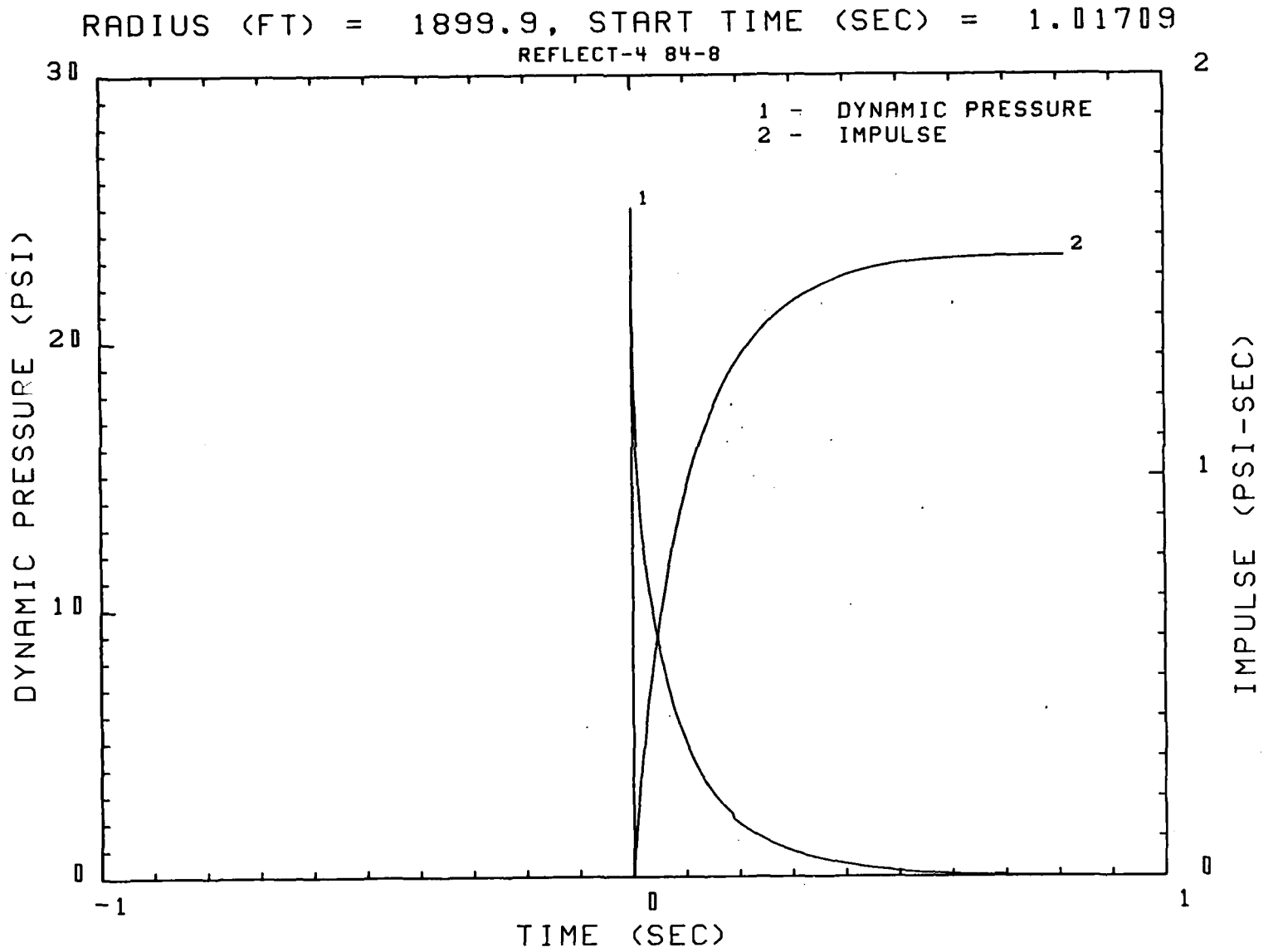

RADIUS (FT) = 1706.4, START TIME (SEC) = 0.92274
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
1
0
-0.020
0.000
0.020
0.040
0.060
0.080

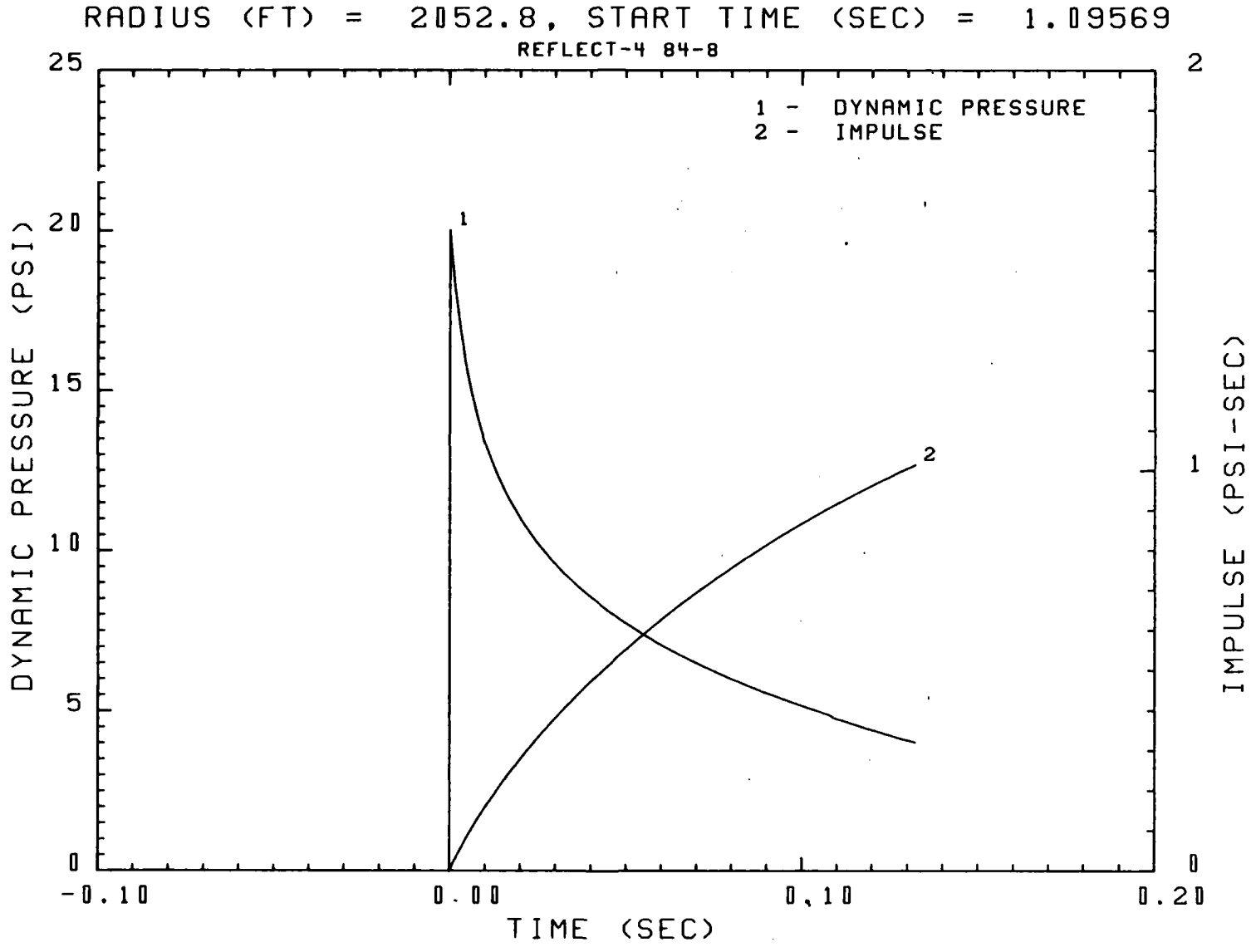

RADIUS (FT) = 1706.4, START TIME (SEC) = 0.92274
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

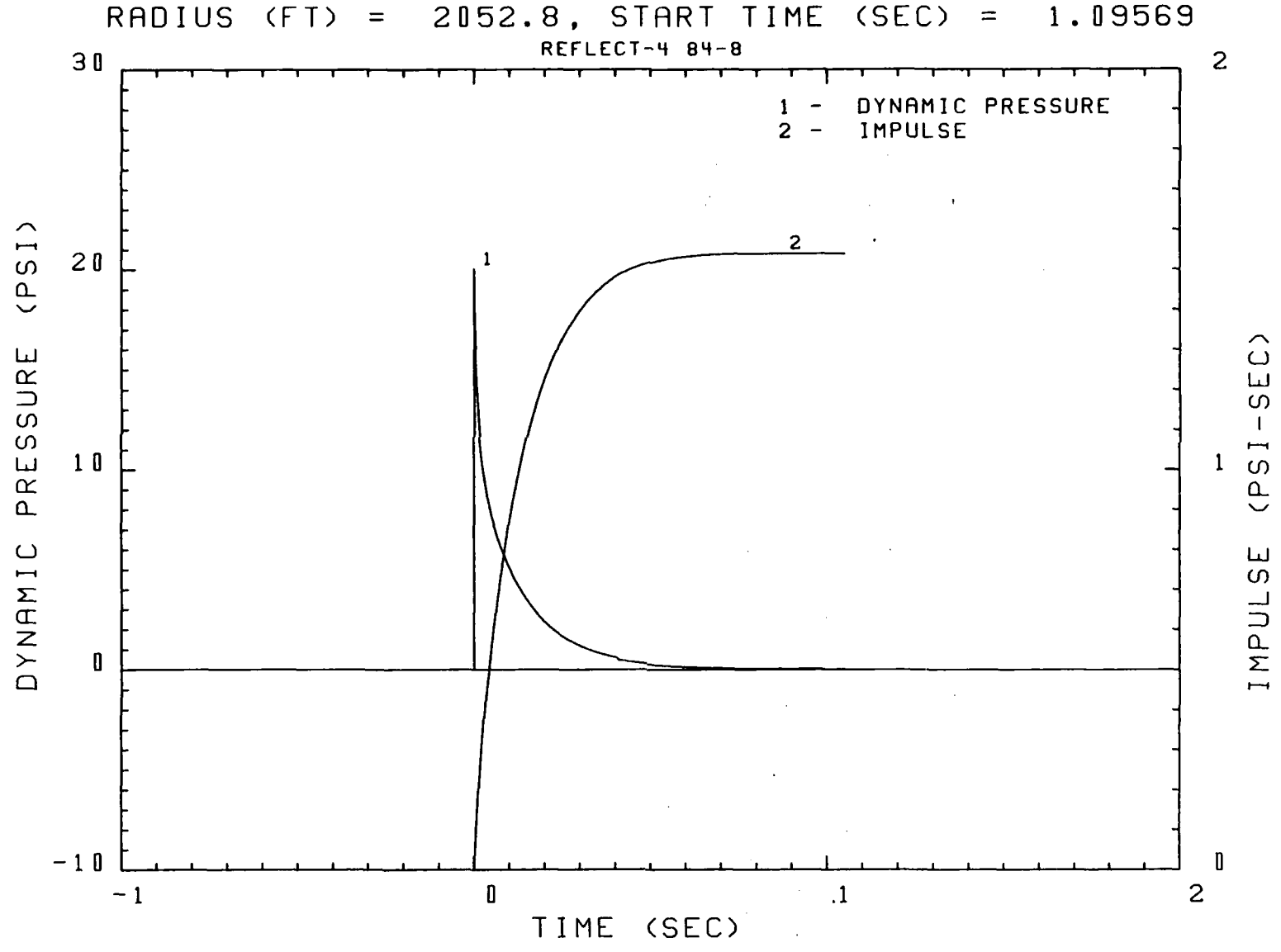

RADIUS (FT) = 1768.7, START TIME (SEC) = 0.95247
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
1
0
-0.10
0.00
0.10
1
2

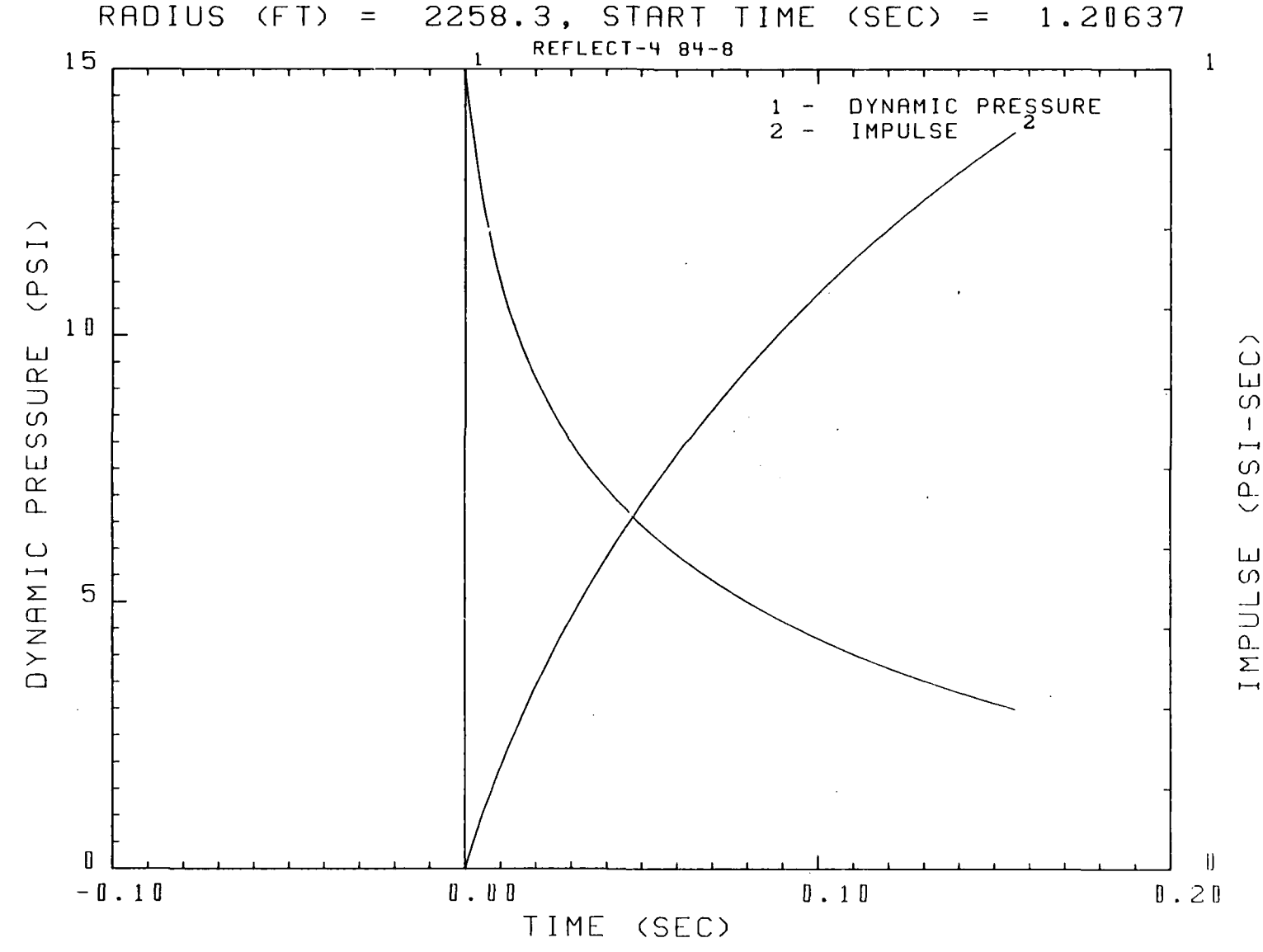

RADIUS (FT) = 1768.7, START TIME (SEC) = 0.95247
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

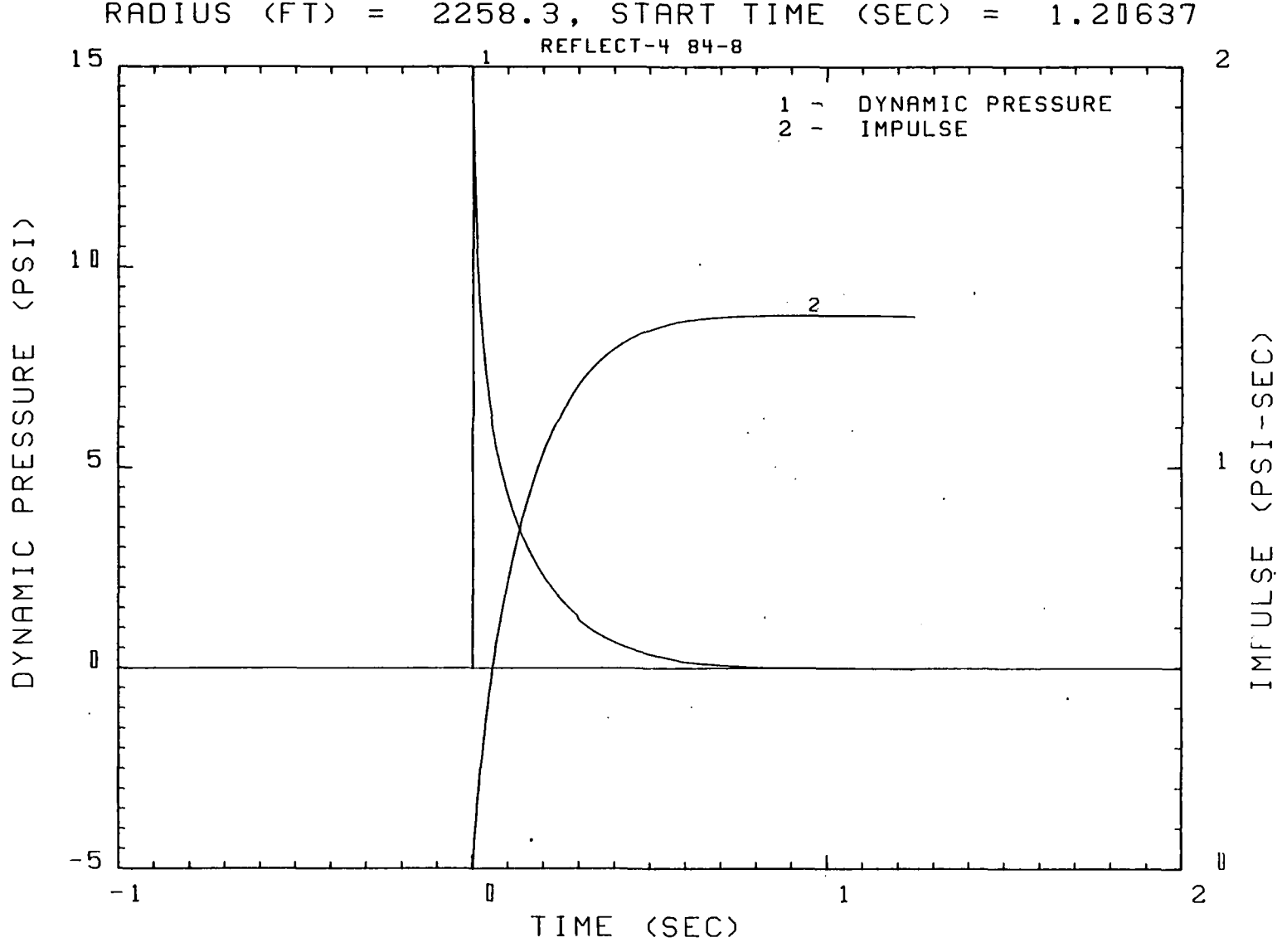

RADIUS (FT) = 1899.9, START TIME (SEC) = 1.01709
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
1
0
-0.10
0.00
0.10
0.20

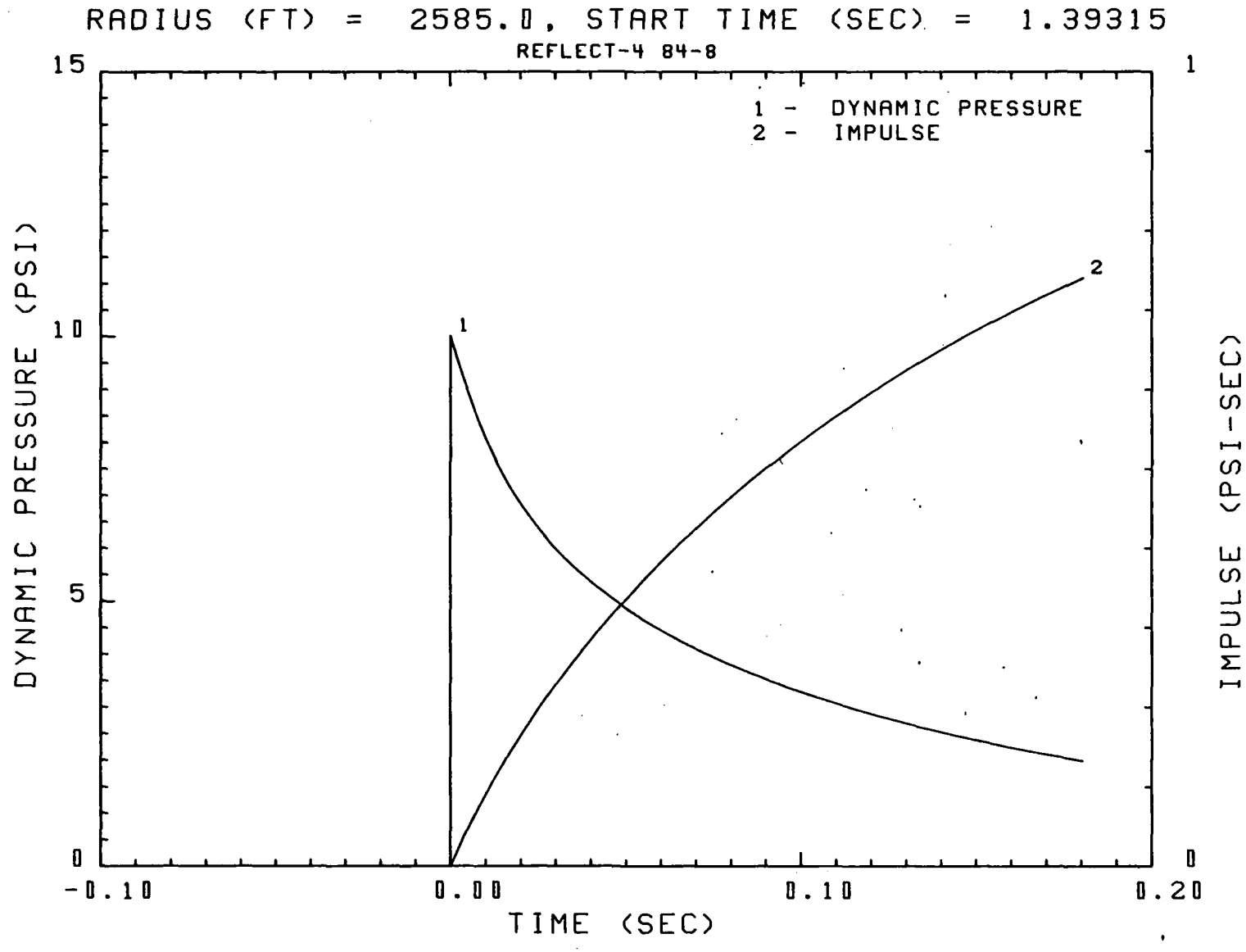

RADIUS (FT) = 1899.9, START TIME (SEC) = 1.01709
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
2
1
0
-1
0
1
1
2

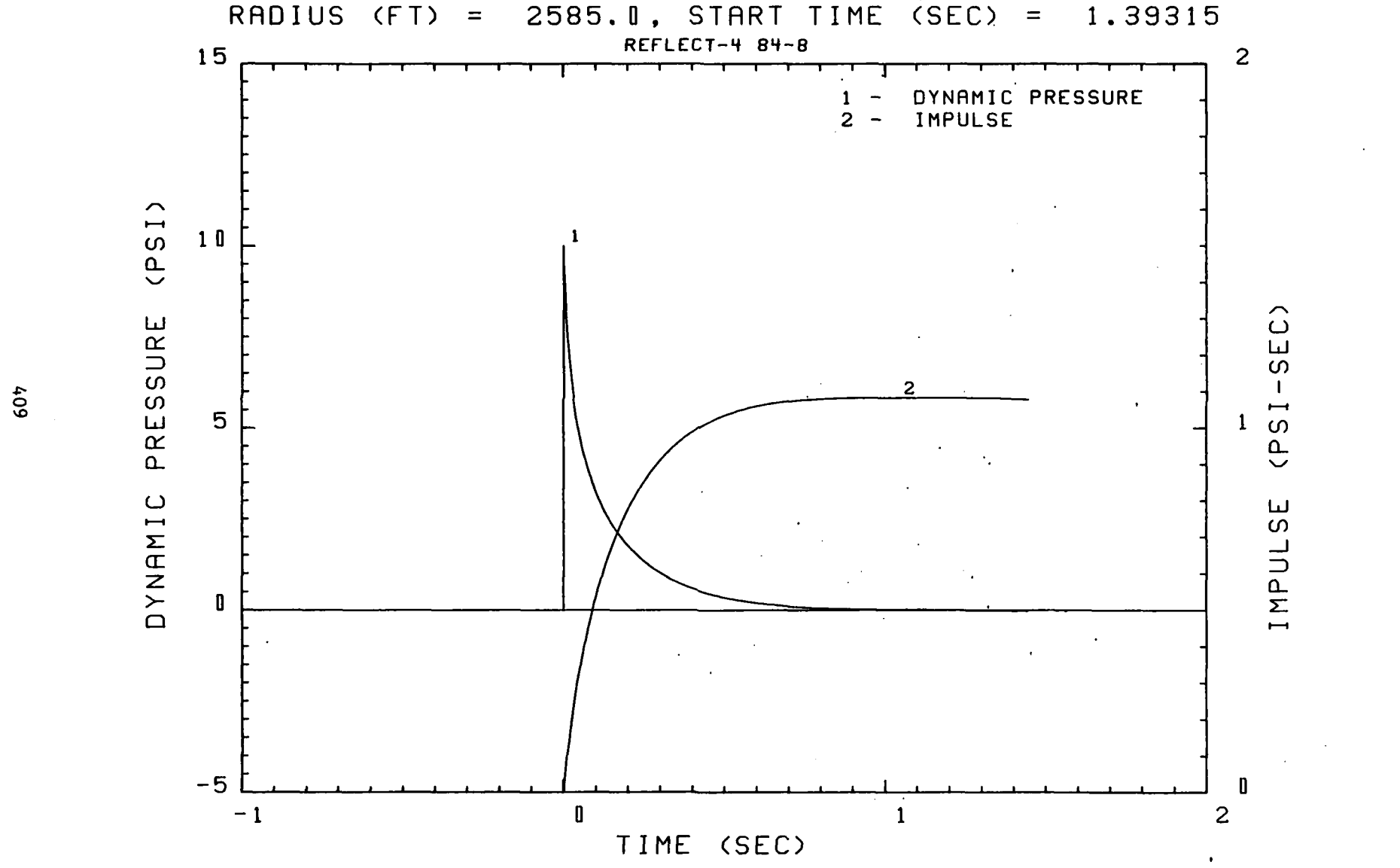

RADIUS (FT) = 2052.8, START TIME (SEC) = 1.09569
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
25
20
15
10
5
0
2
1
0
-0.10
0.00
0.10
0.20
1
2

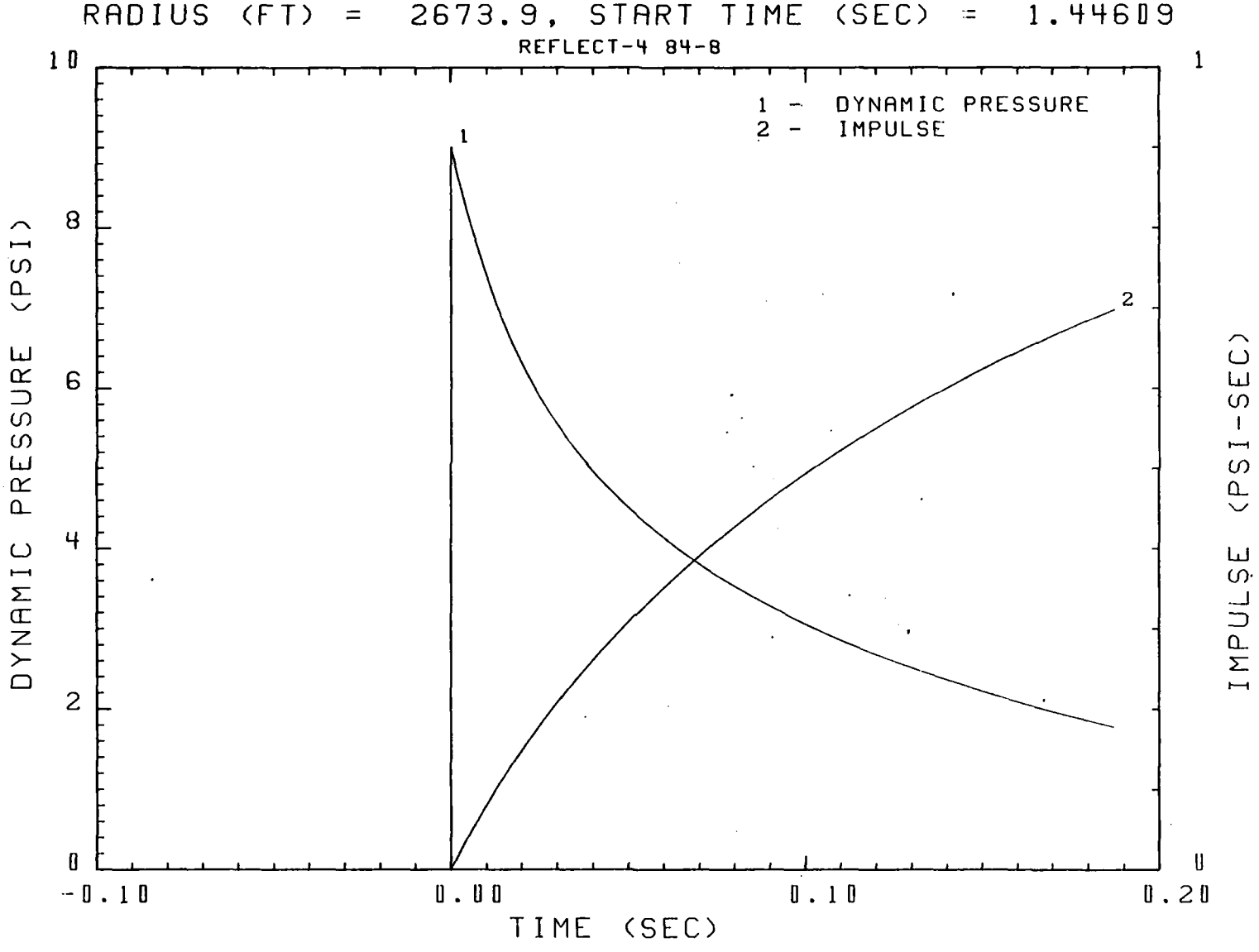

RADIUS (FT) = 2052.8, START TIME (SEC) = 1.09569
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
2
1
0
-1
0
.1
2
1
2

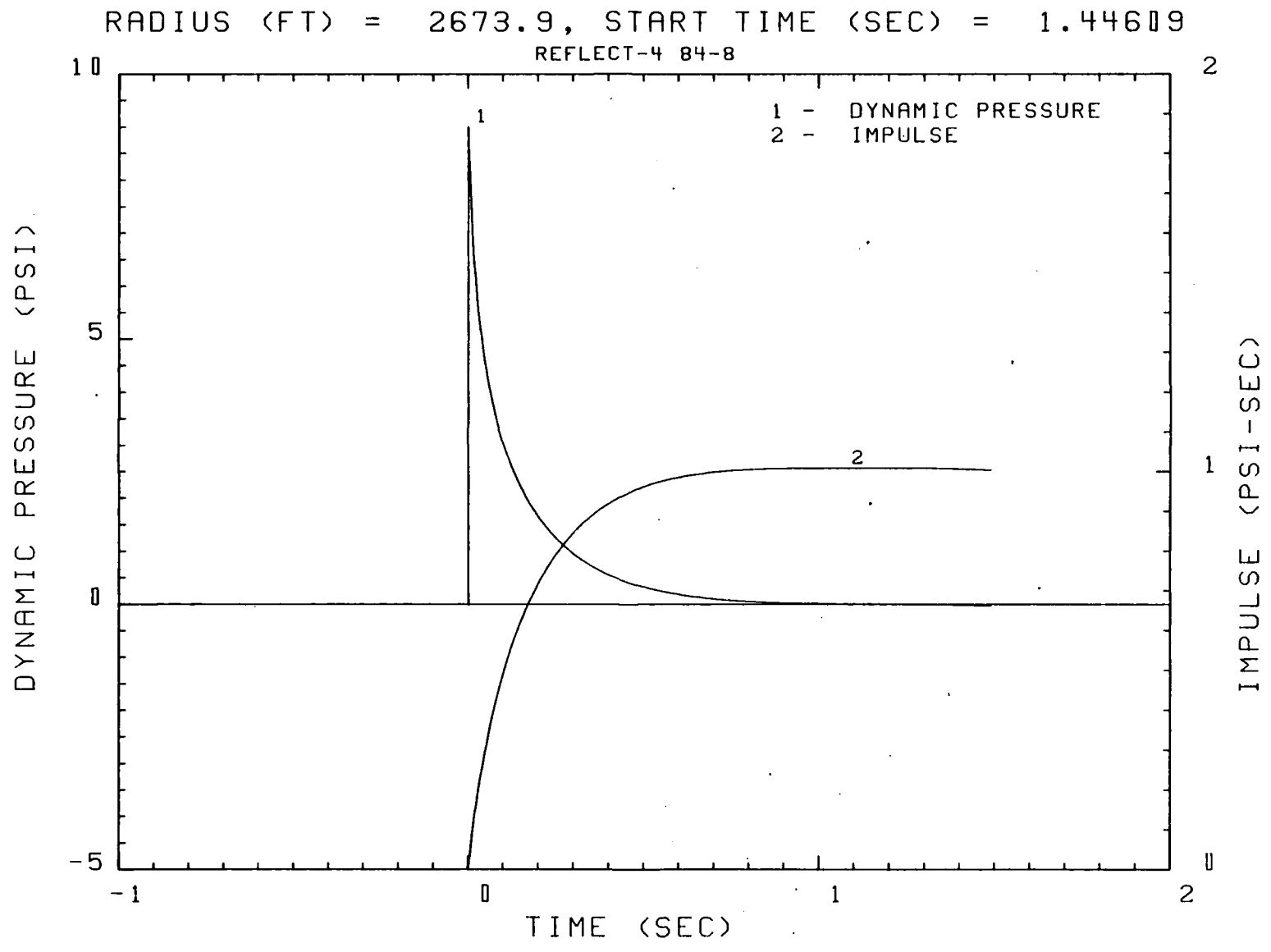

RADIUS (FT) = 2258.3, START TIME (SEC) = 1.20637
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
1
0
-0.10
0.00
0.10
0.20

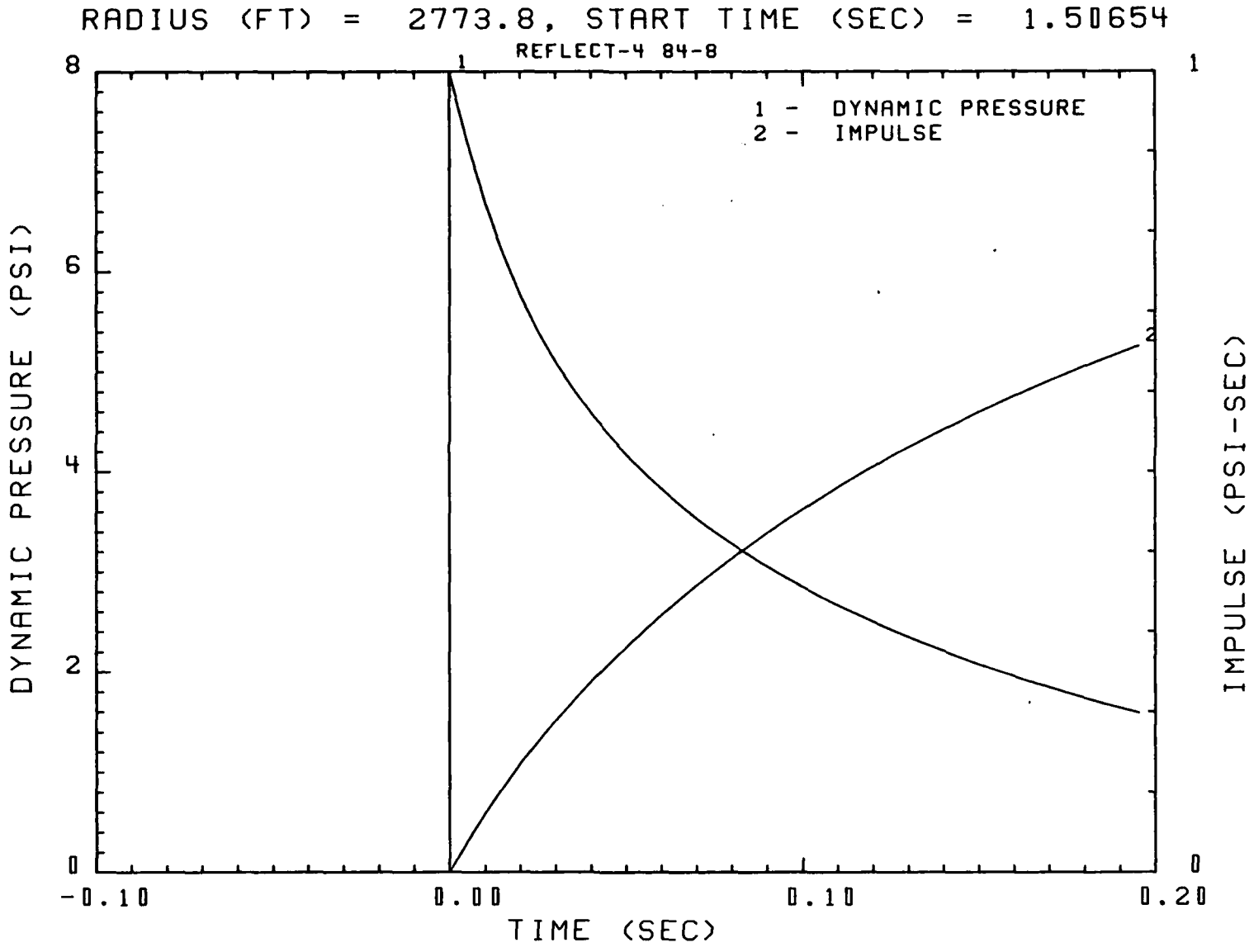

RADIUS (FT) = 2258.3, START TIME (SEC) = 1.20637
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
2
1
0
-1
1
2

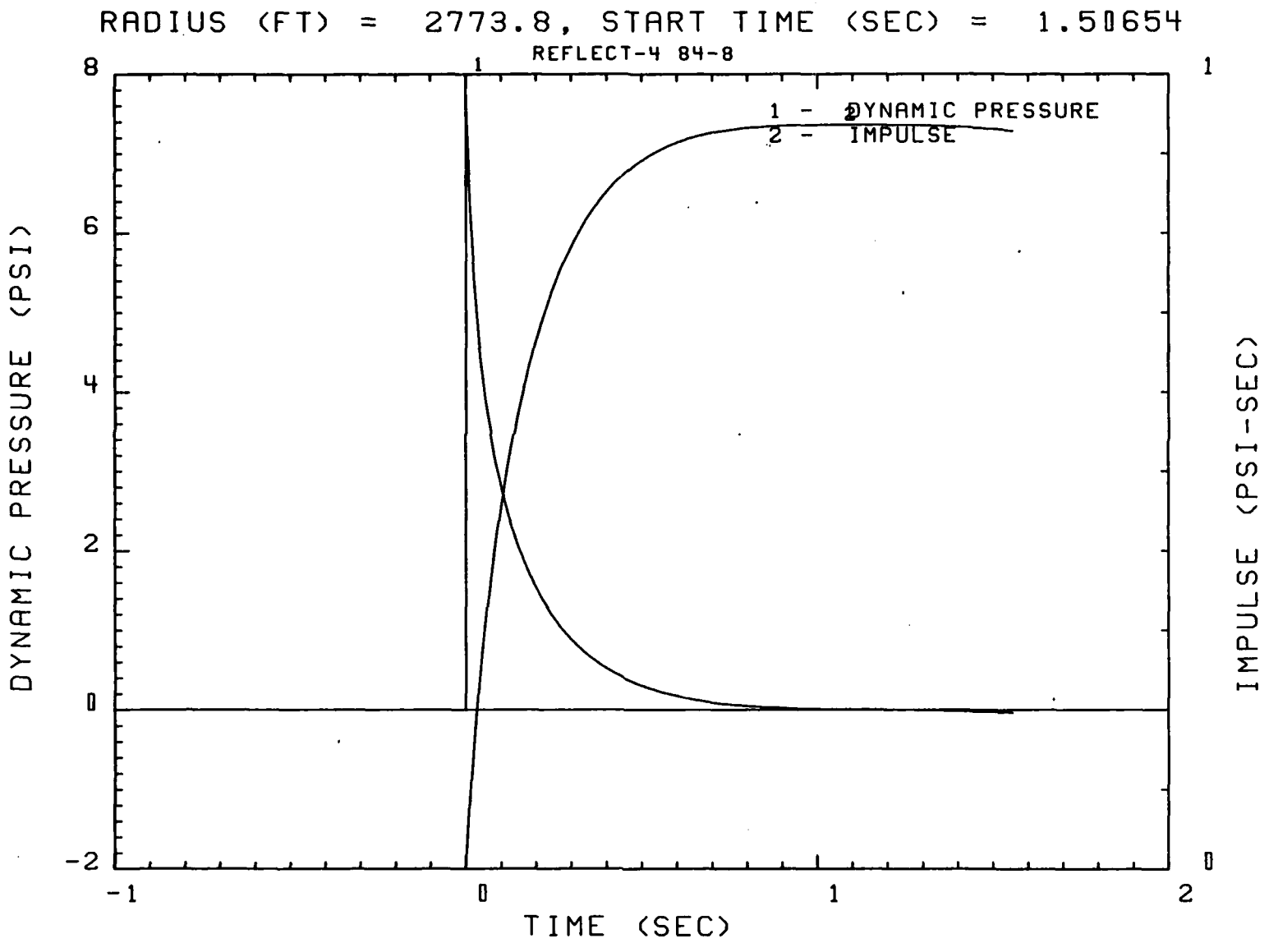

RADIUS (FT) = 2585.0, START TIME (SEC) = 1.39315
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
1
0
-0.10
0.00
0.10
0.20
1
2

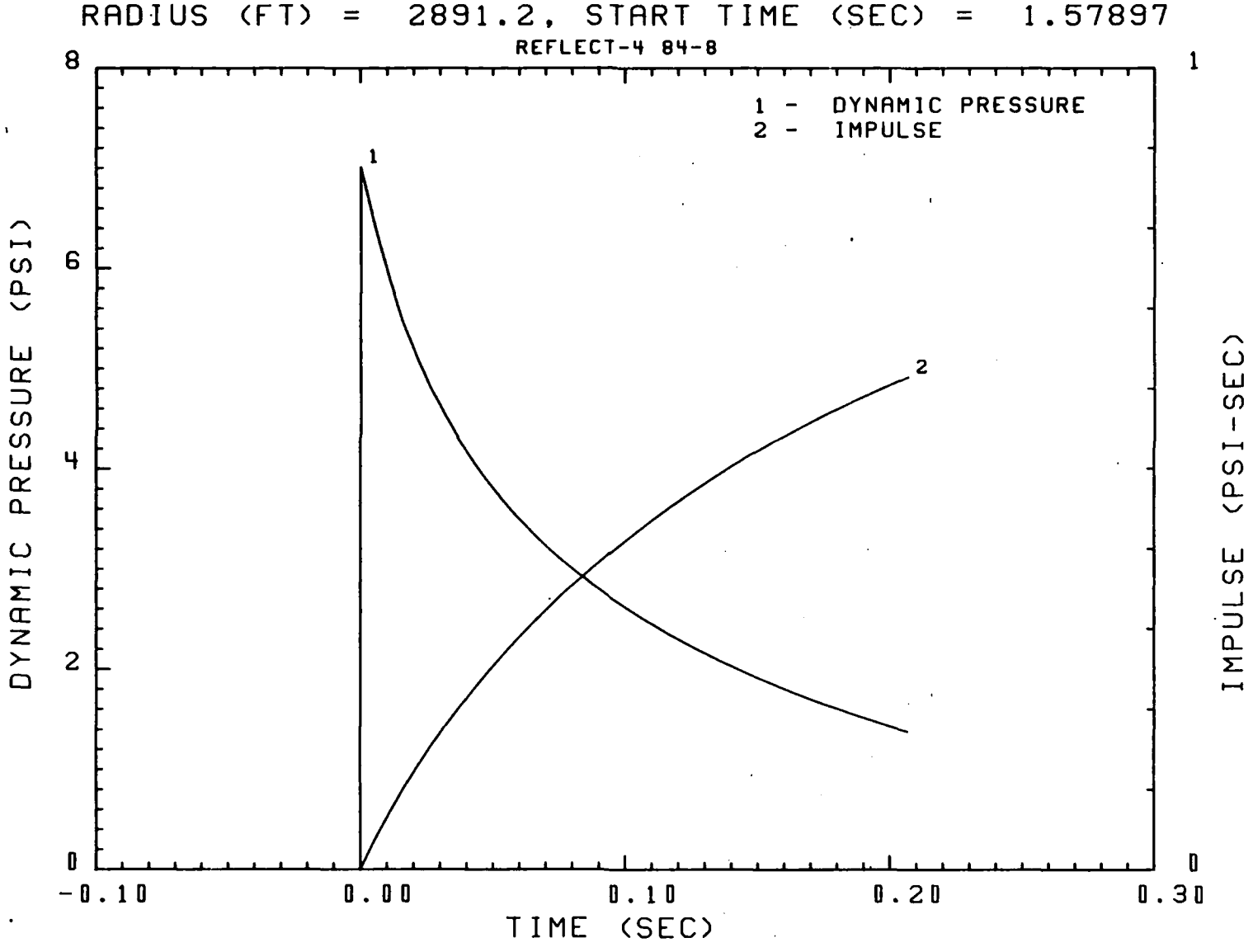

RADIUS (FT) = 2585.0, START TIME (SEC) = 1.39315
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
2
1
0
-1
0
1
2
1
2

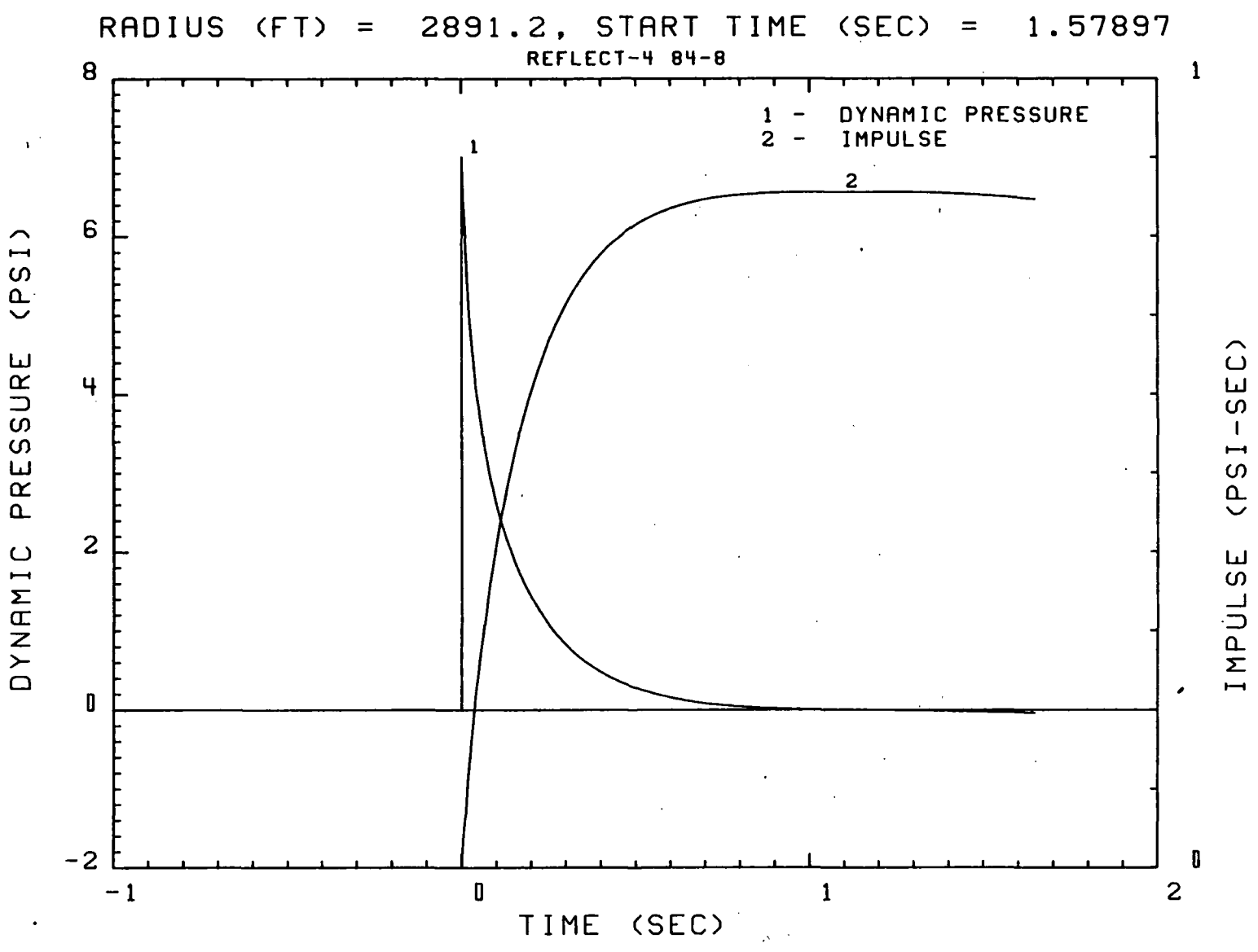

RADIUS (FT) = 2673.9, START TIME (SEC) = 1.44609
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
1
0
-0.10
0.00
0.10
0.20

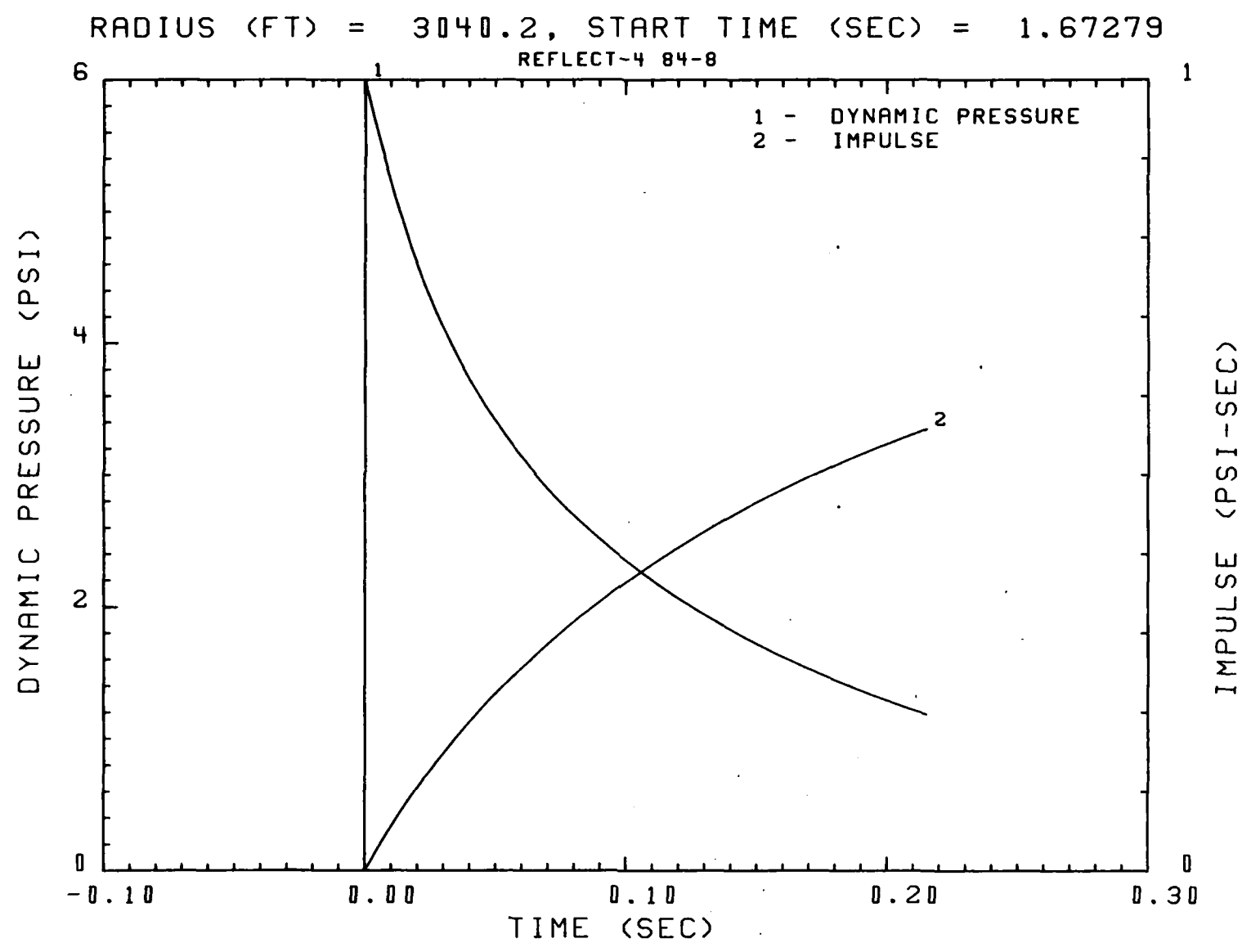

RADIUS (FT) = 2673.9, START TIME (SEC) = 1.44609
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
2
1
0
-1
0
1
2

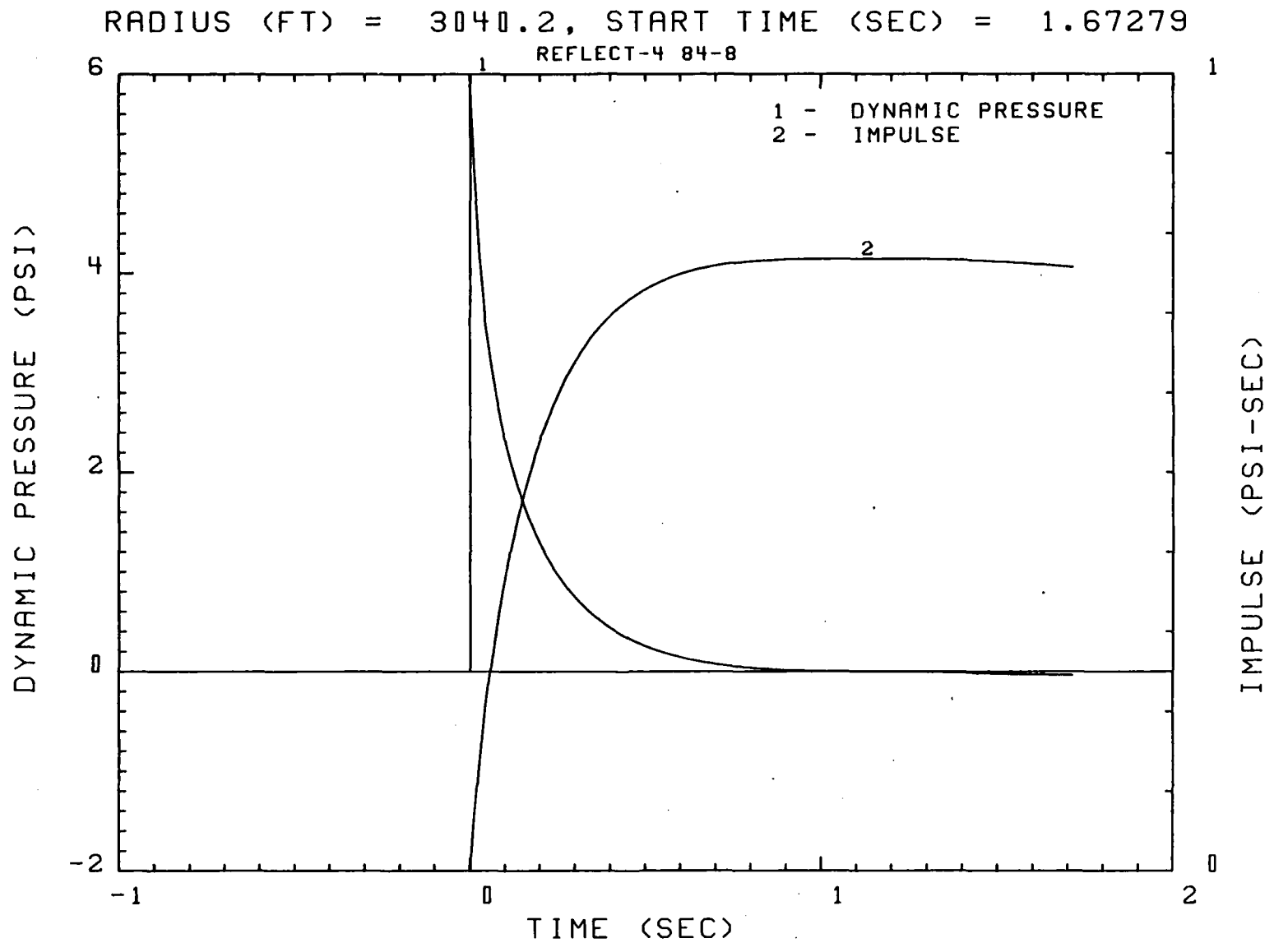

RADIUS (FT) = 2773.8, START TIME (SEC) = 1.50654
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
-0.10
0.00
0.10
0.20

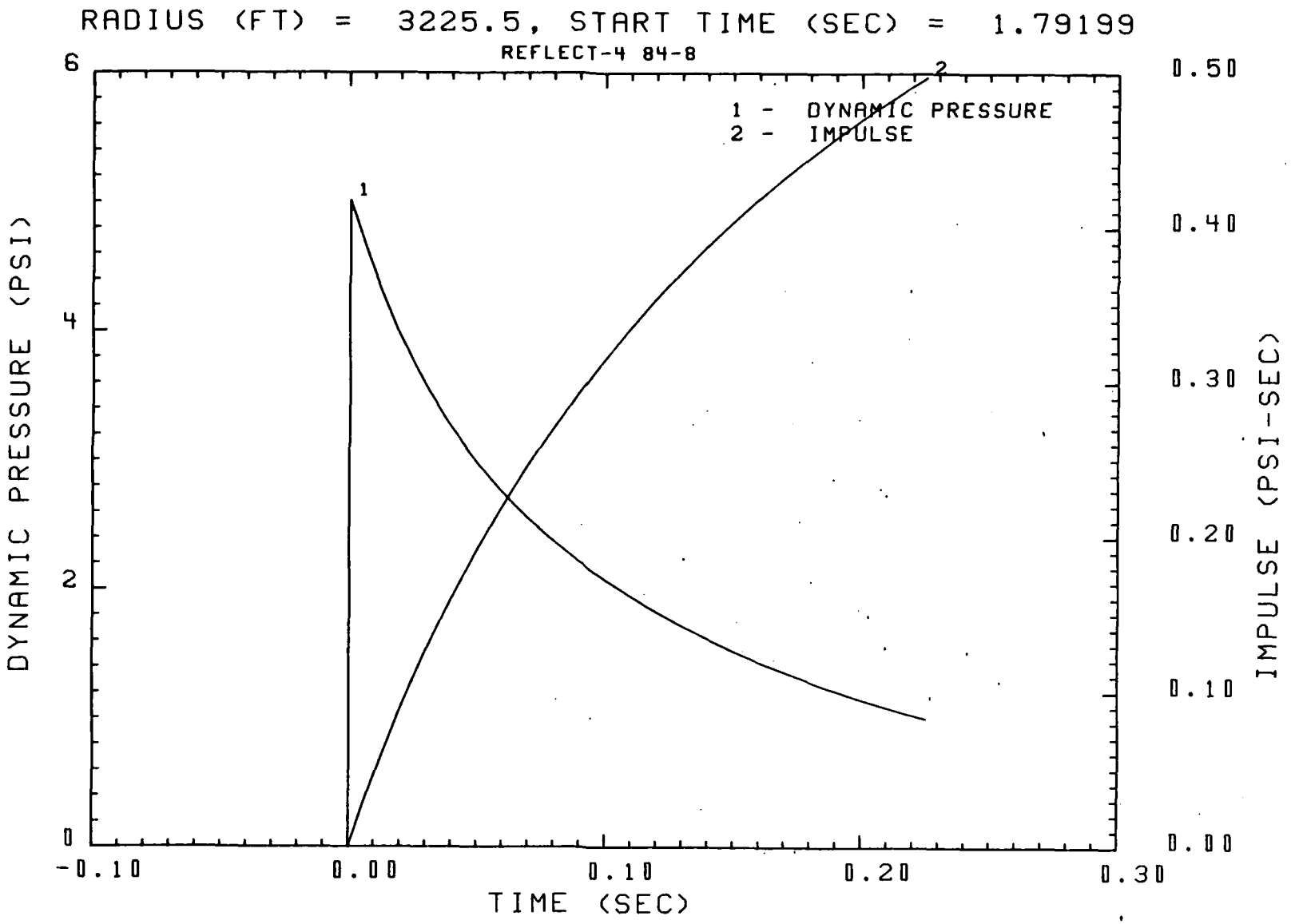

RADIUS (FT) = 2773.8, START TIME (SEC) = 1.50654
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
1
0
-1
2

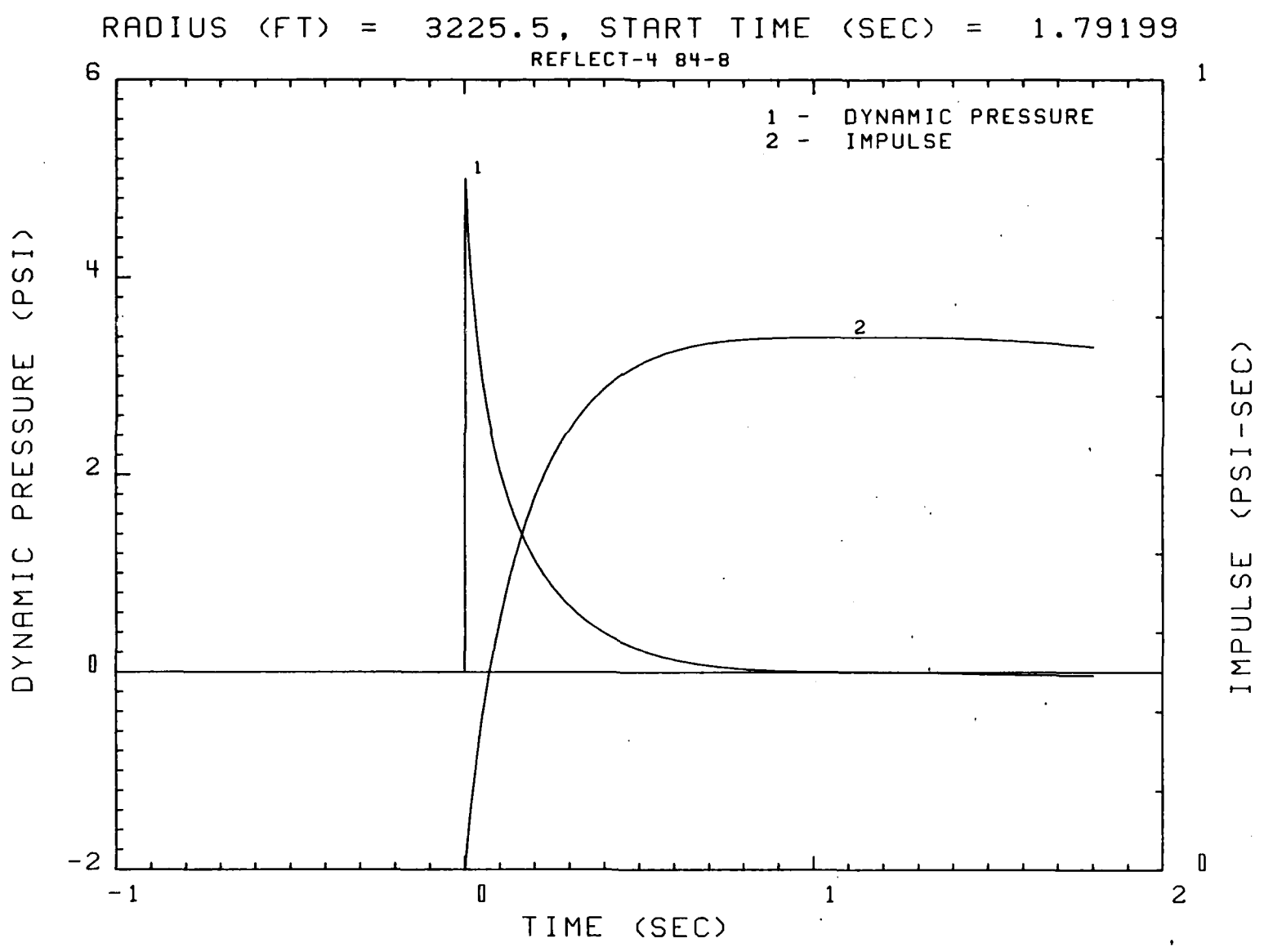

RADIUS (FT) = 2891.2, START TIME (SEC) = 1.57897
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
1
0
-0.10
0.00
0.10
0.20
0.30

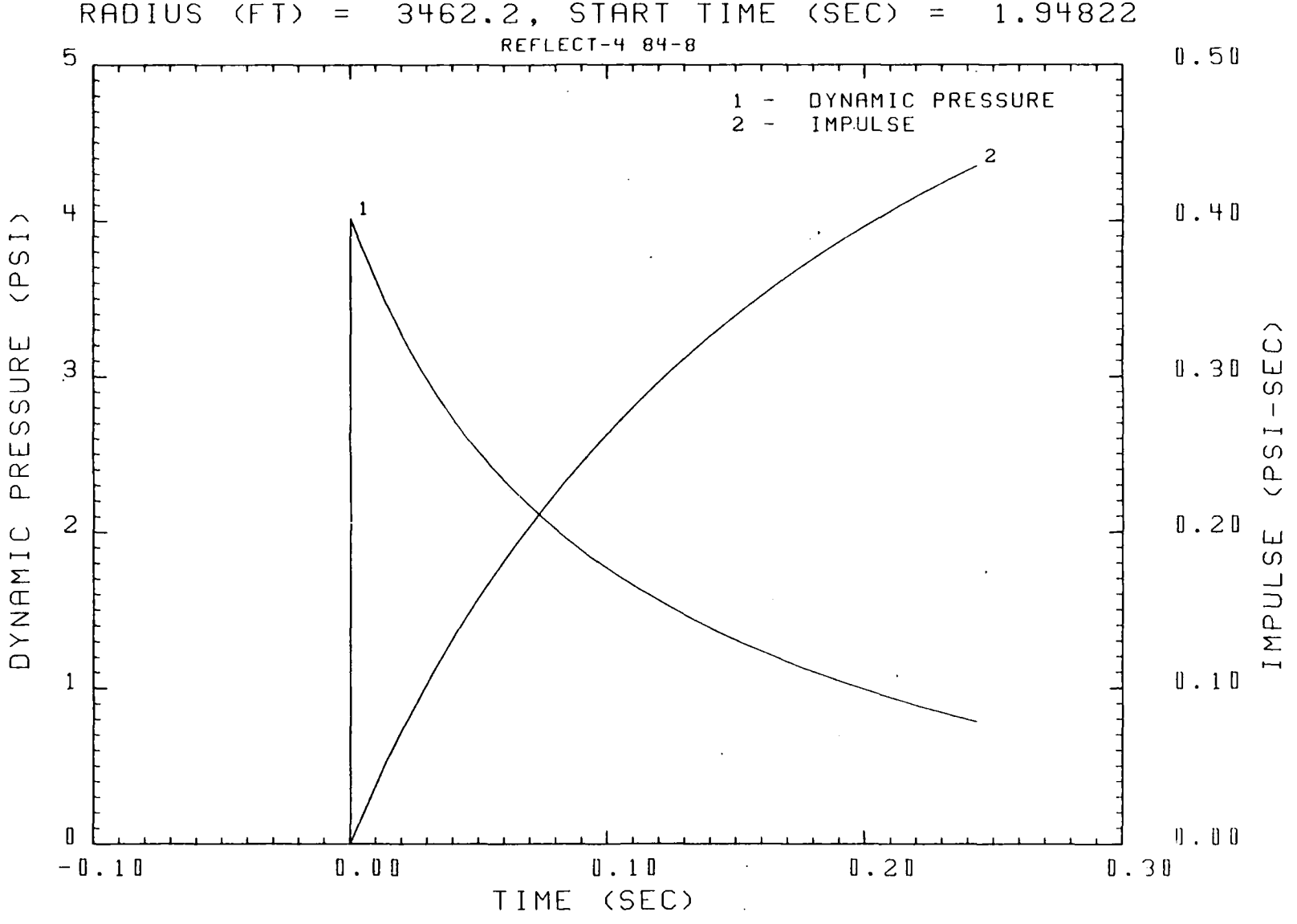

RADIUS (FT) = 2891.2, START TIME (SEC) = 1.57897
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
1
0
-1
2

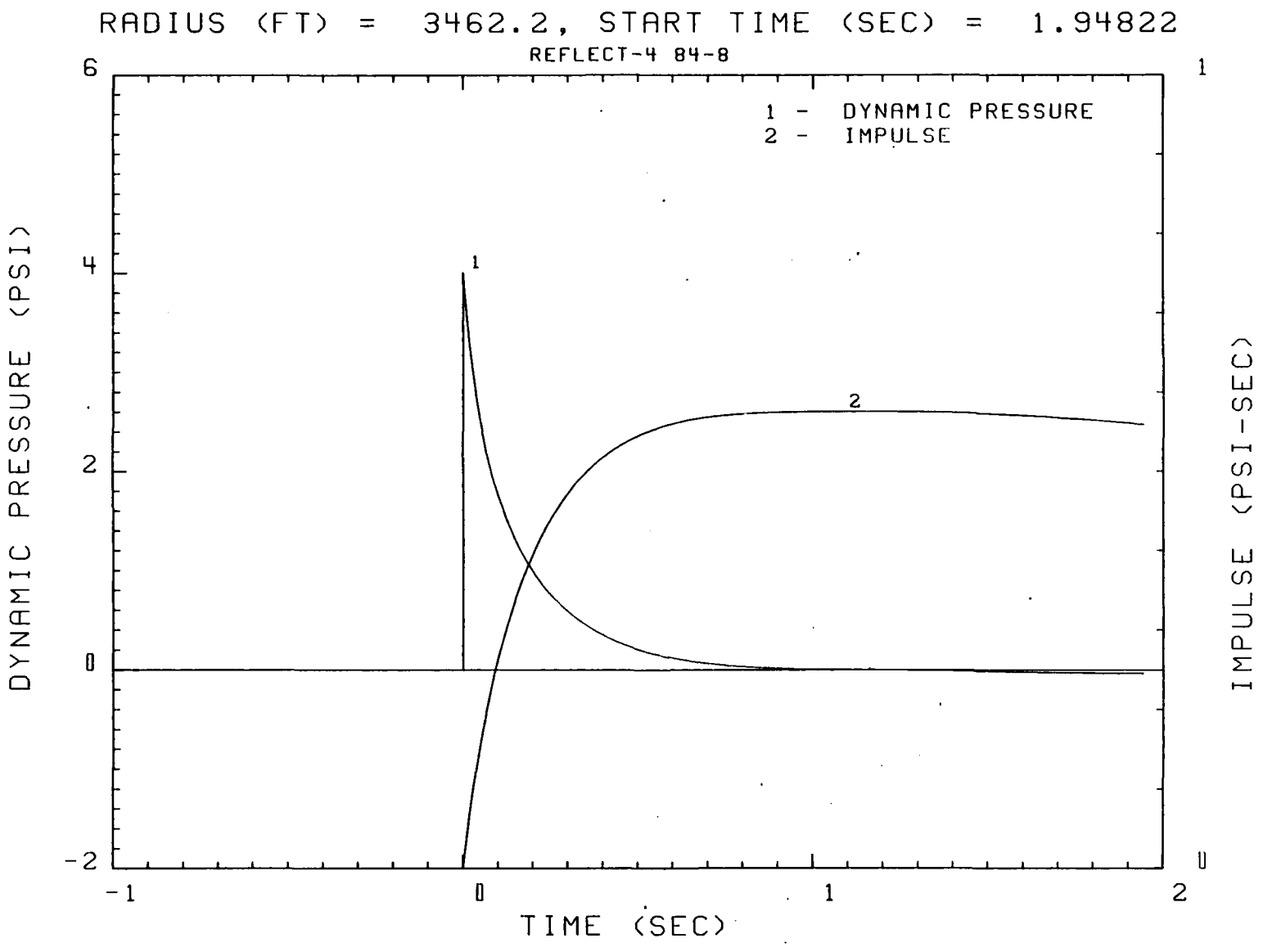

RADIUS (FT) = 3040.2, START TIME (SEC) = 1.67279
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
1
0
-0.10
0.00
0.10
0.20
0.30

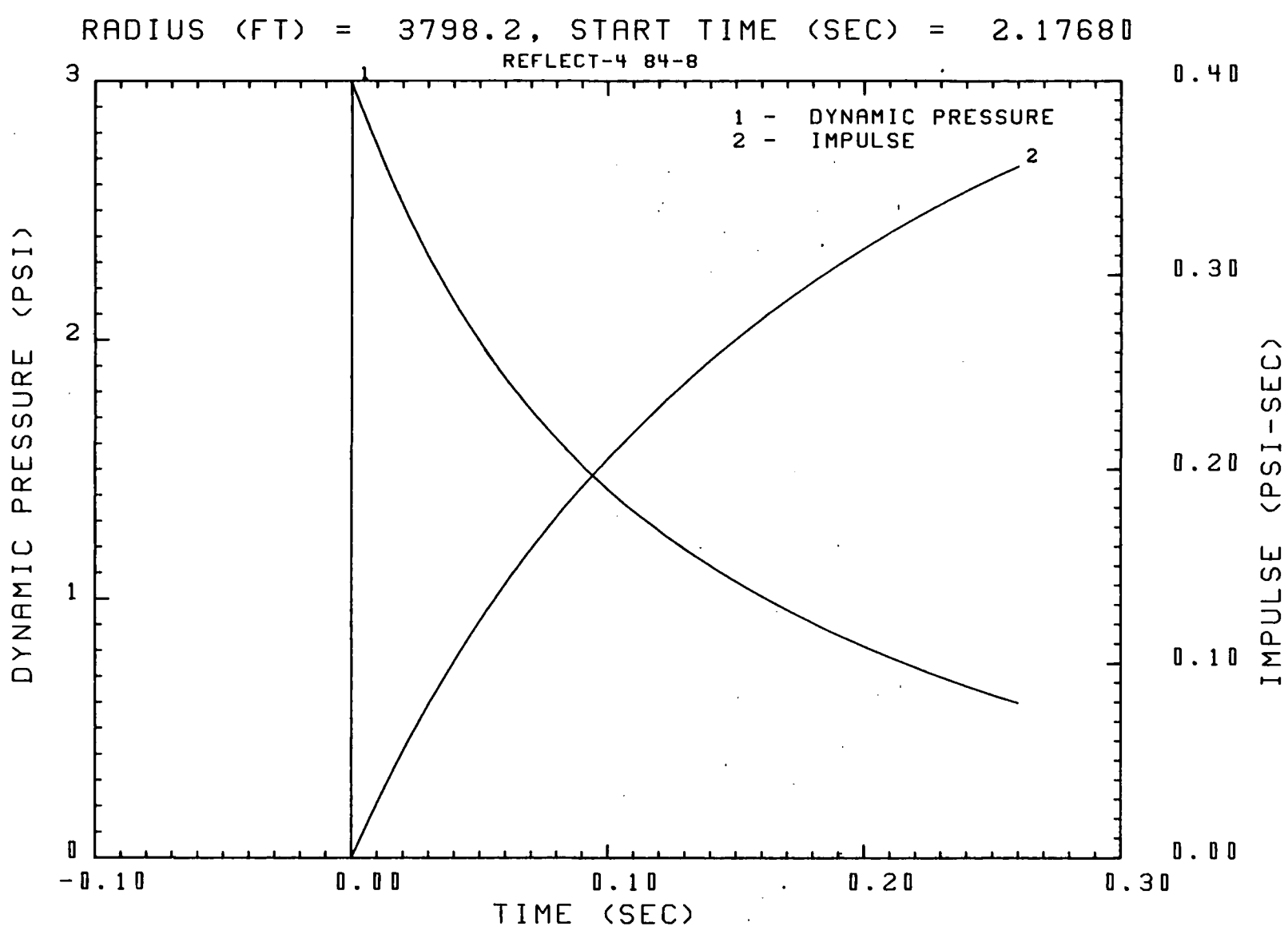

RADIUS (FT) = 3040.2, START TIME (SEC) = 1.67279
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
1
0
-1
2

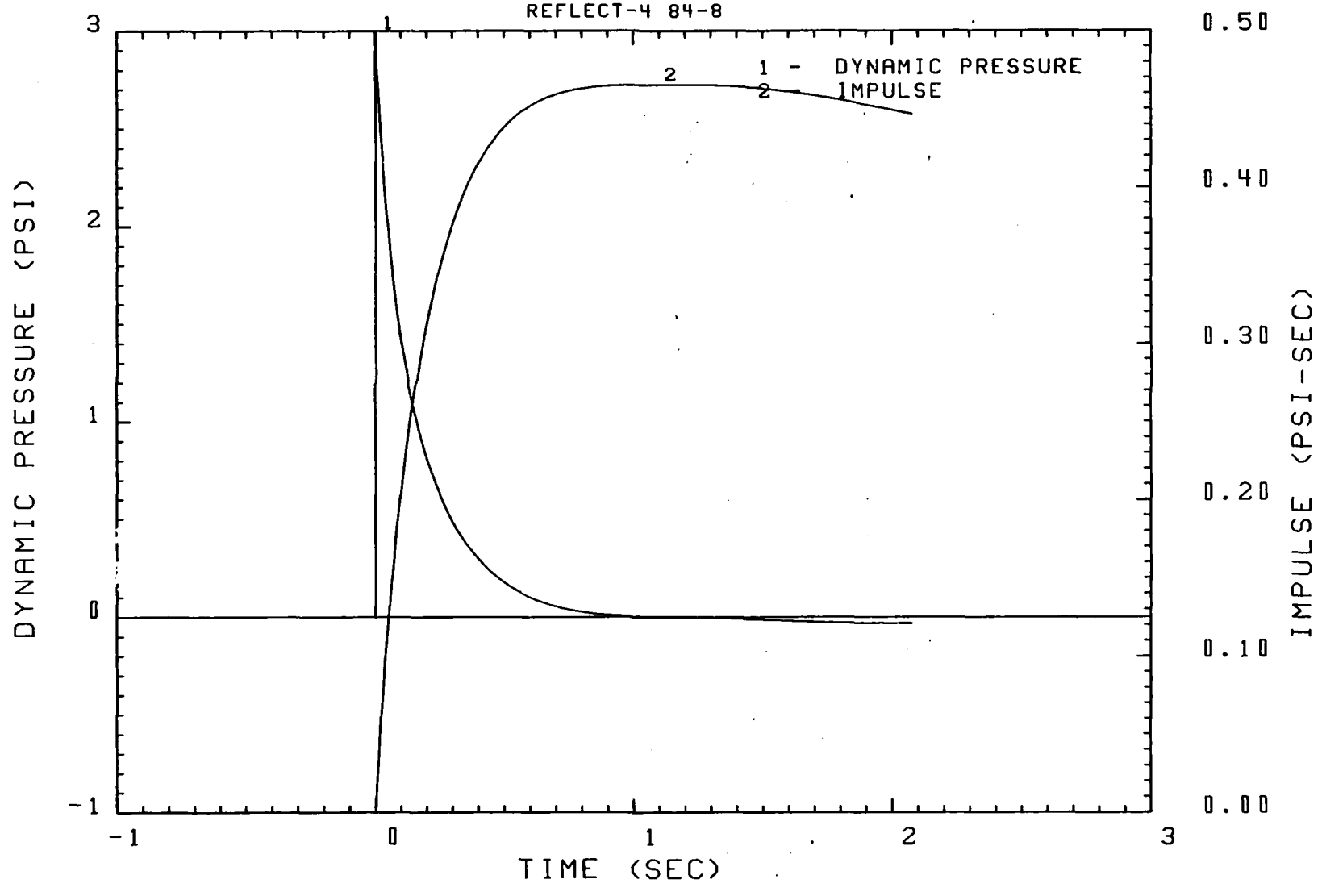

RADIUS (FT) = 3225.5, START TIME (SEC) = 1.79199
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
0.00
0.10
0.20
0.30
0.40
0.50
-0.10
0.00
0.10
0.20
0.30

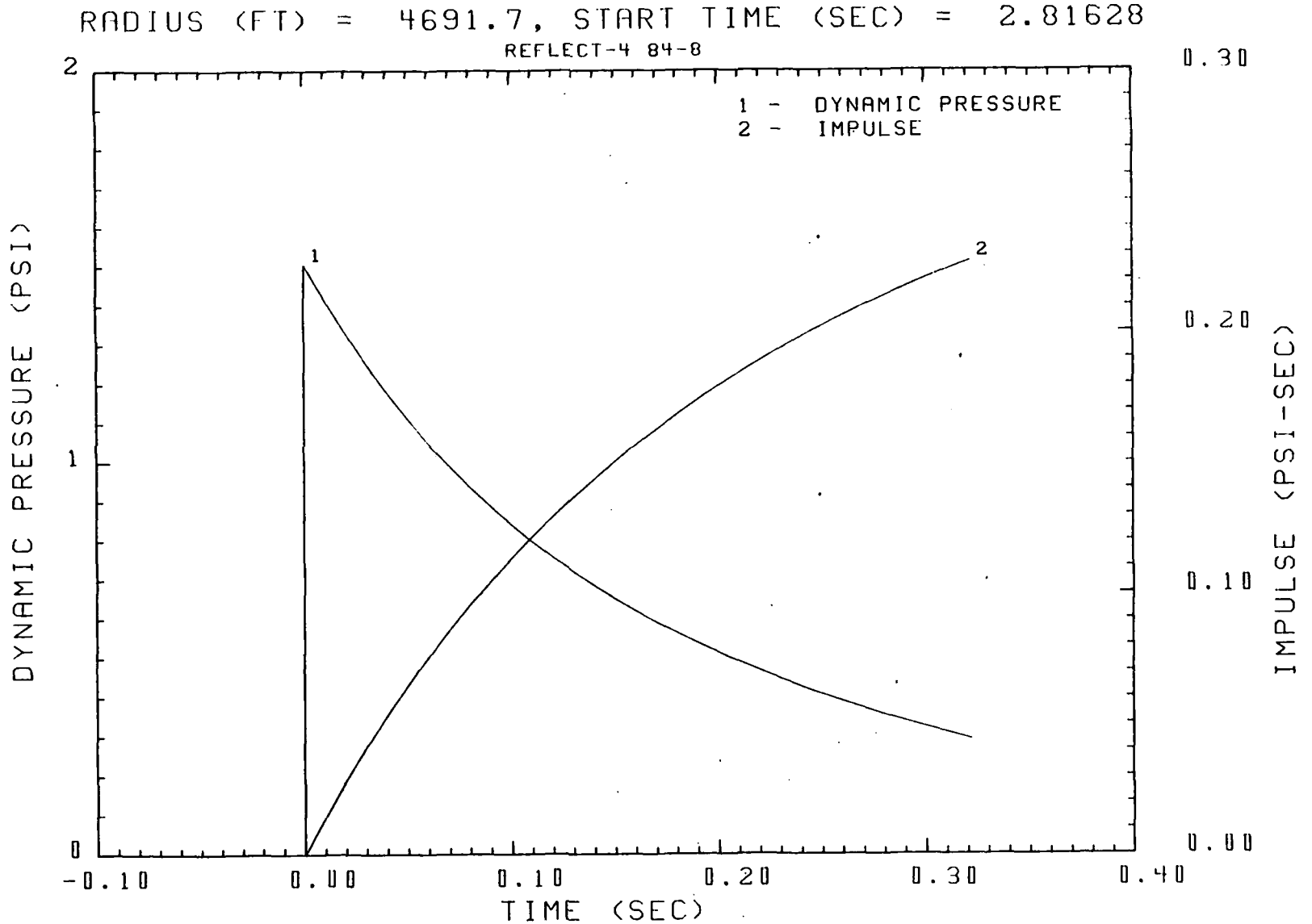

RADIUS (FT) = 3225.5, START TIME (SEC) = 1.79199
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
1
0
-1
1
2
0

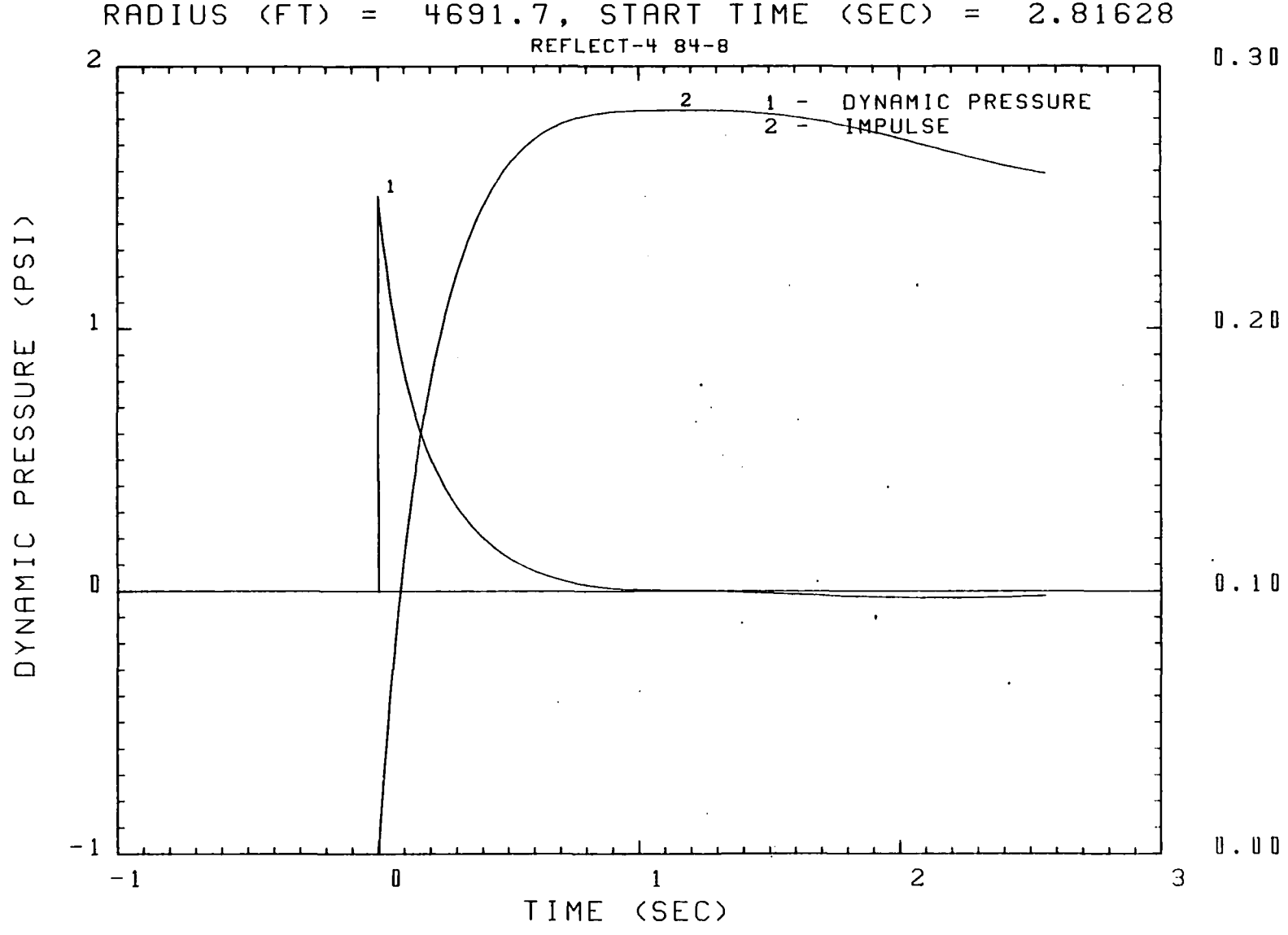

RADIUS (FT) = 3462.2, START TIME (SEC) = 1.94822
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
1
2
3
4
5
0.00
0.10
0.20
0.30
0.40
0.50
-0.10
0.00
0.10
0.20
0.30

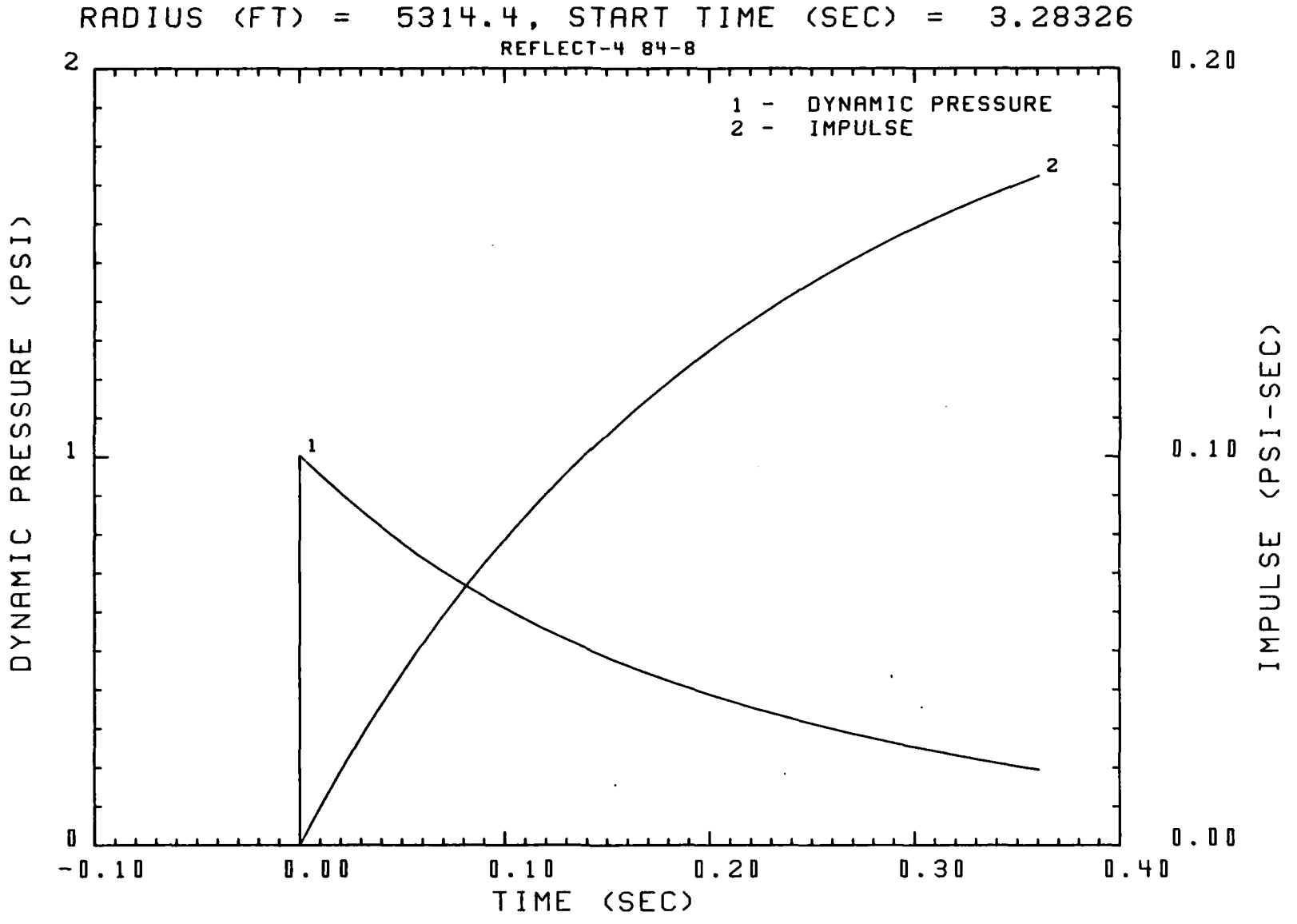

RADIUS (FT) = 3462.2, START TIME (SEC) = 1.94822
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
1
0
-1
2
1
0

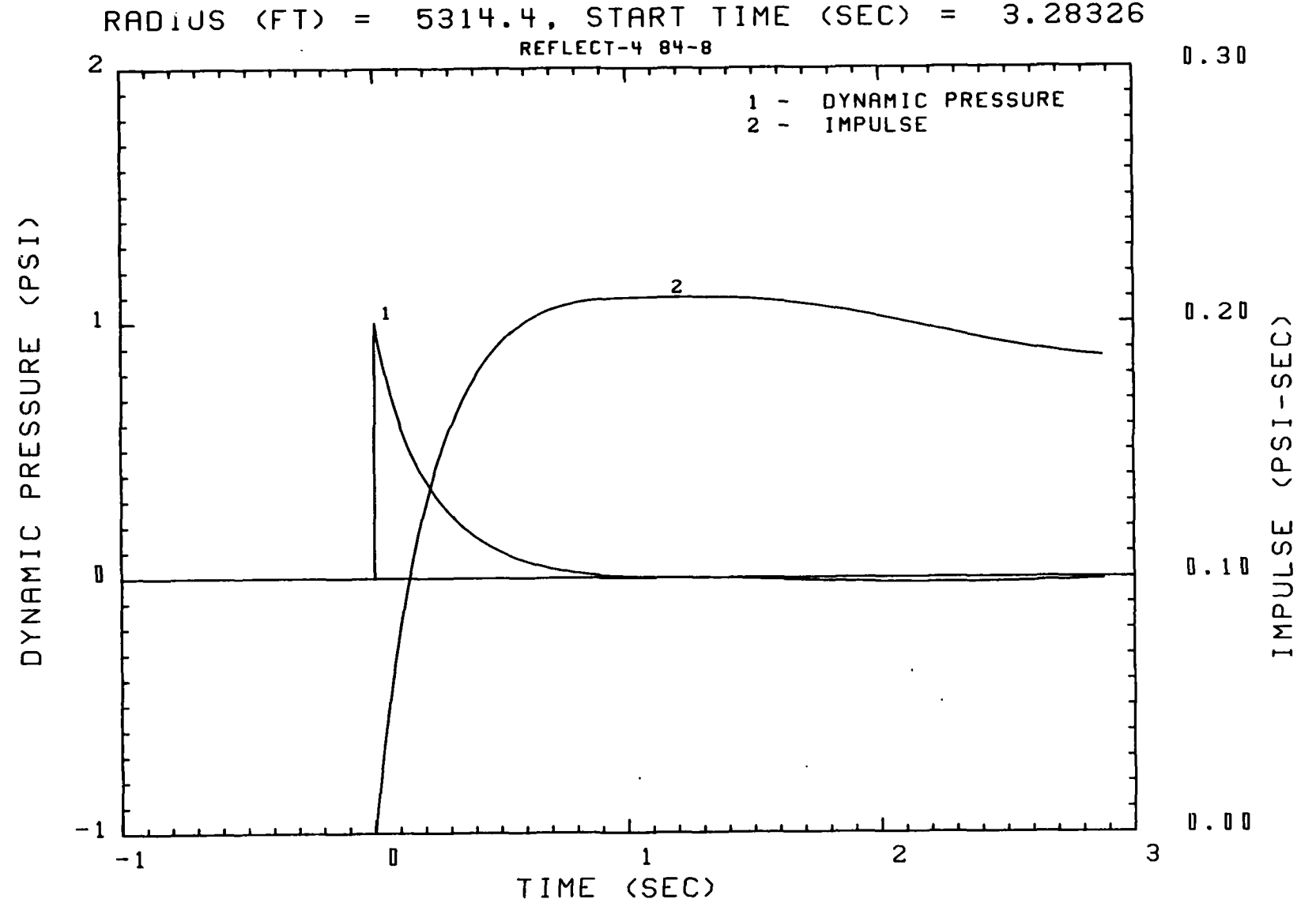

RADIUS (FT) = 3798.2, START TIME (SEC) = 2.17680
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30

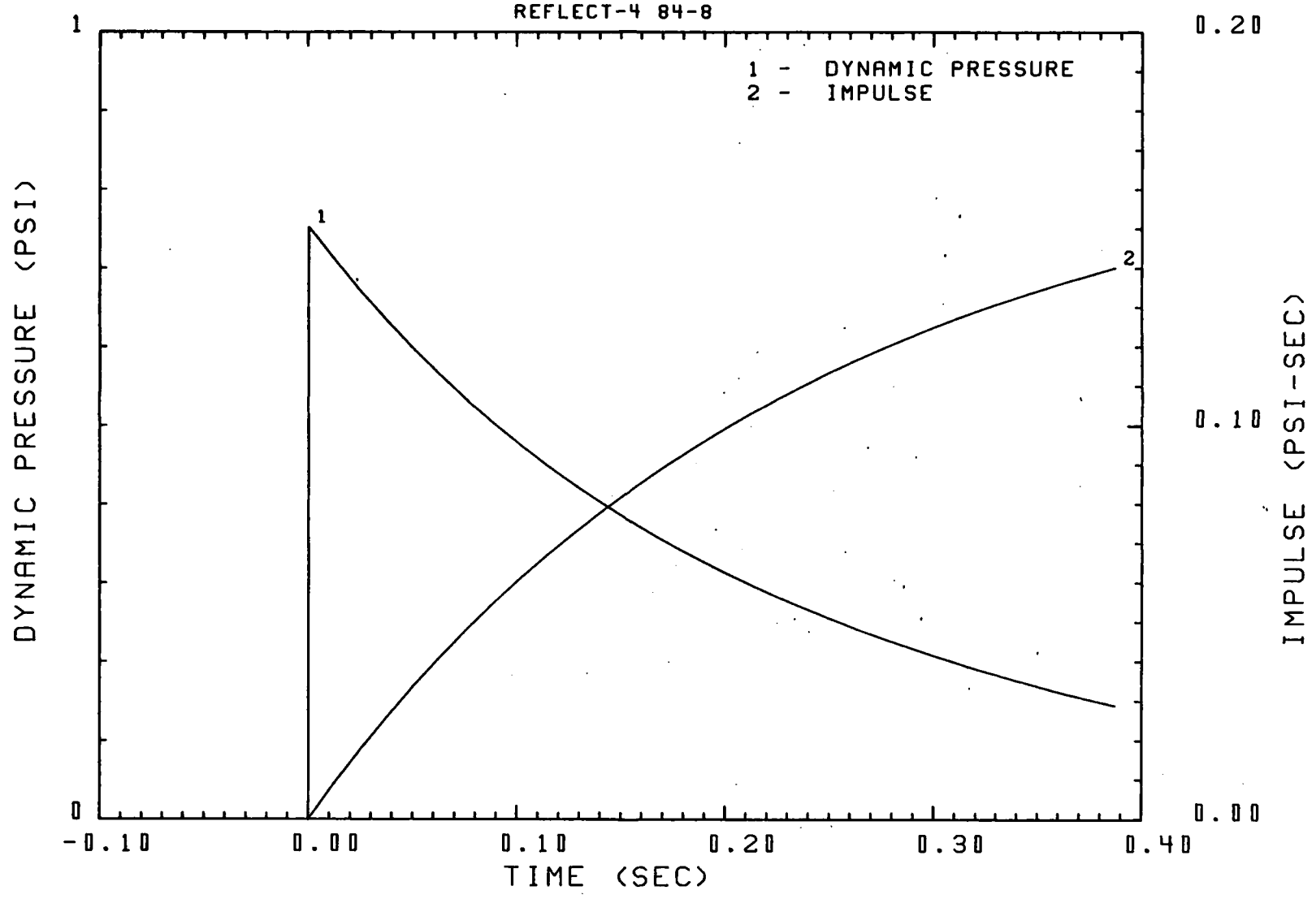

RADIUS (FT) = 3798.2, START TIME (SEC) = 2.17680
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
0.50
0.40
0.30
0.20
0.10
0.00

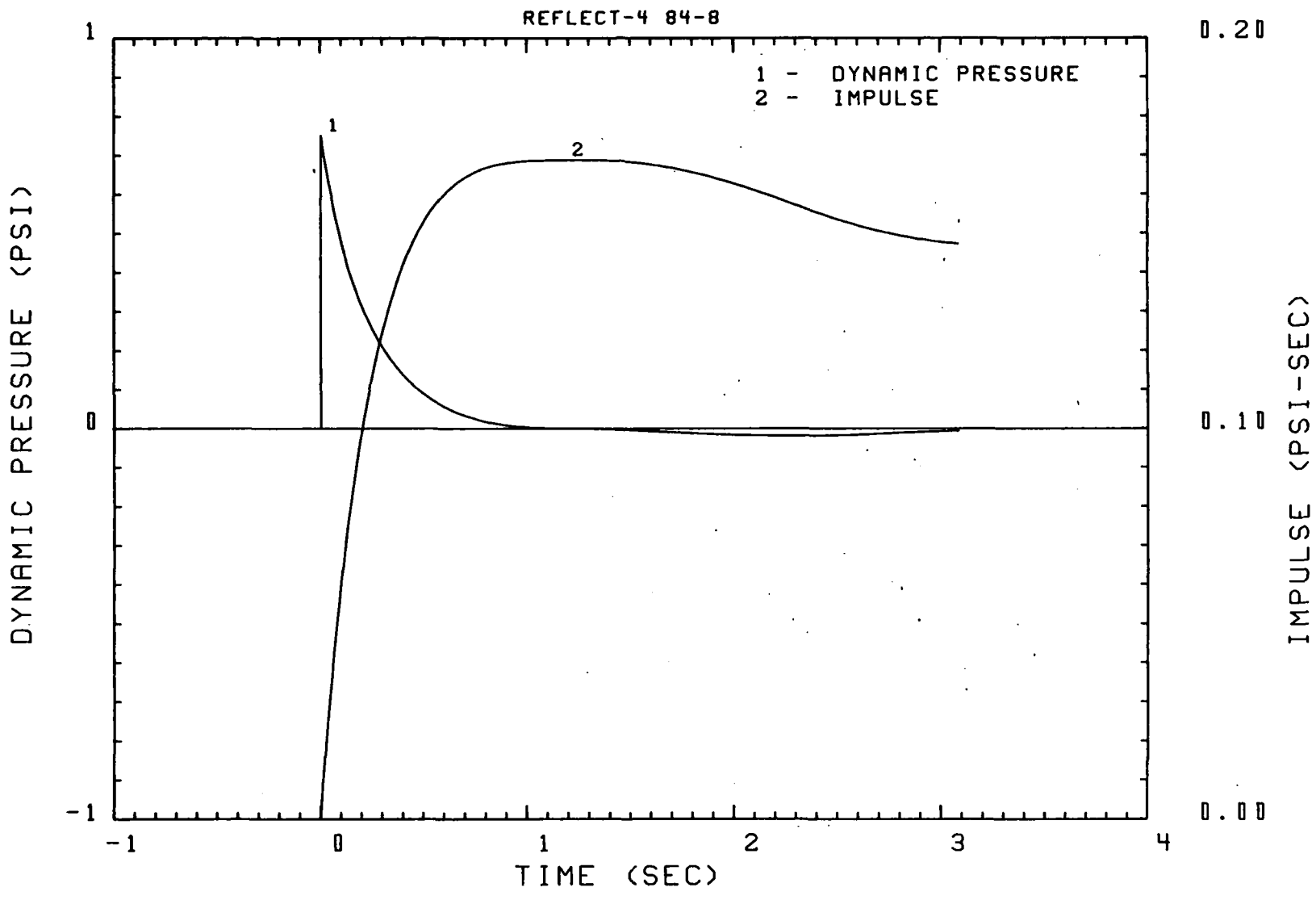

RADIUS (FT) = 4691.7, START TIME (SEC) = 2.81628
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40

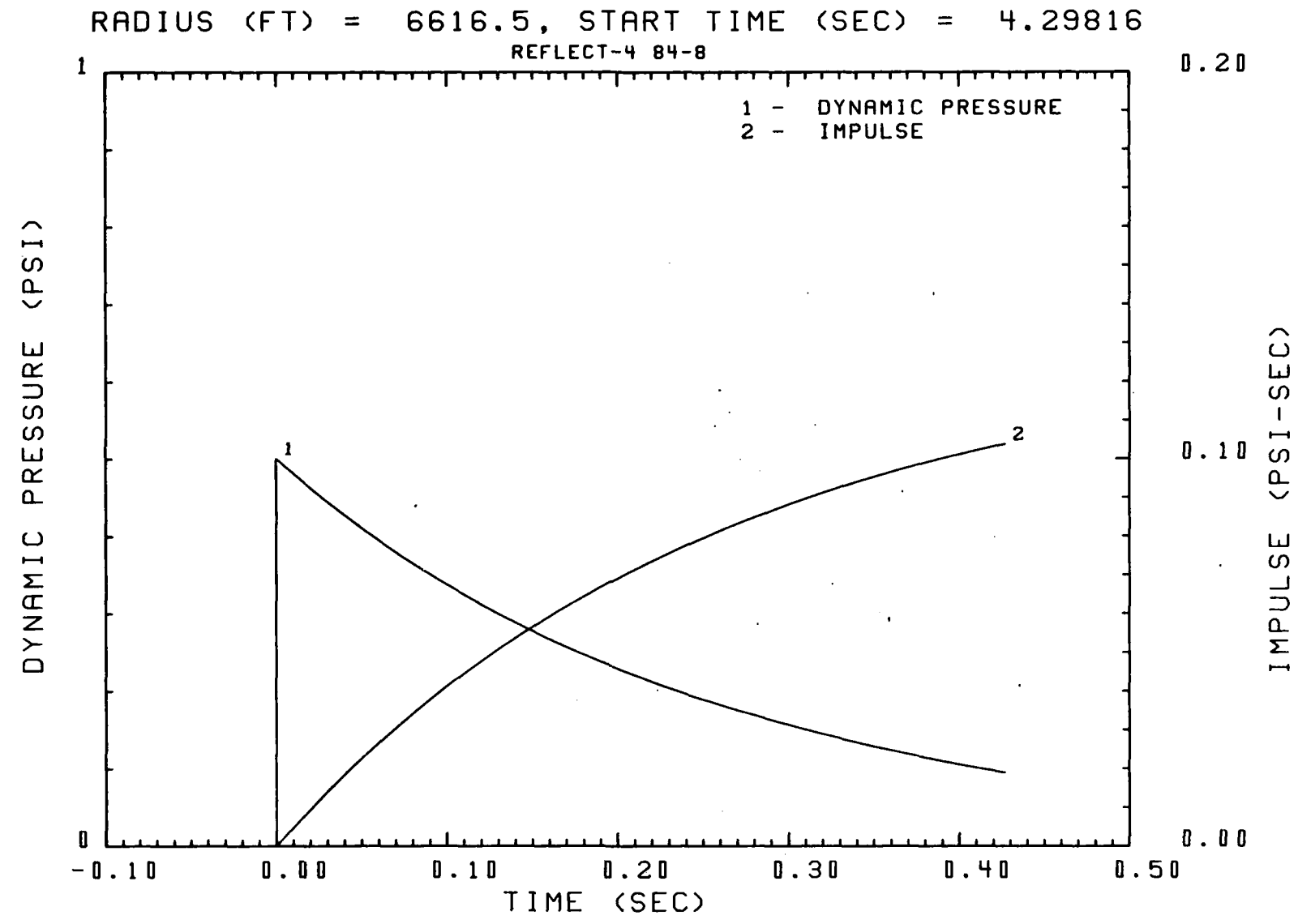

RADIUS (FT) = 4691.7, START TIME (SEC) = 2.81628
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0.30
0.20
0.10
0.00
-1
0
1
2
3

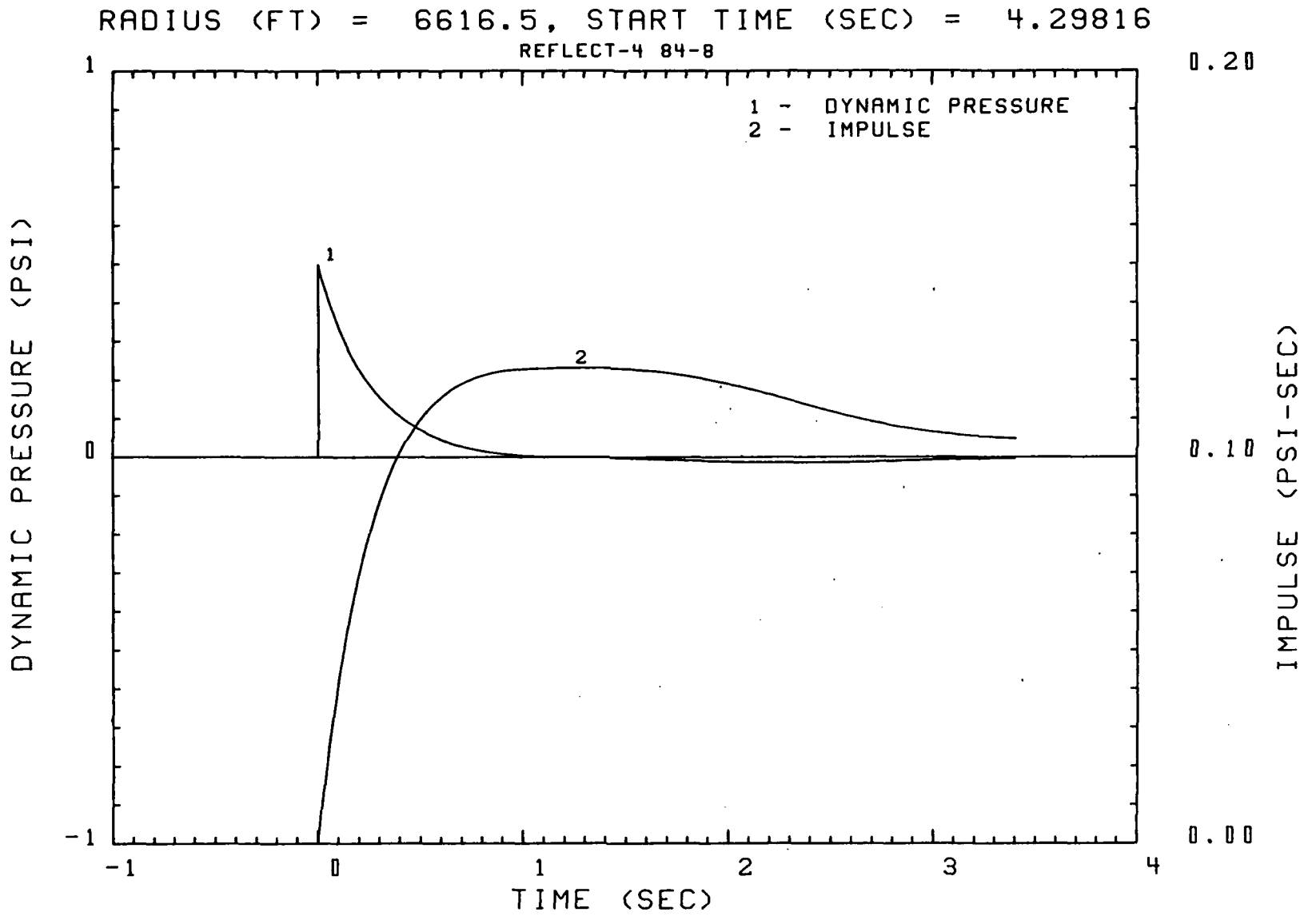

RADIUS (FT) = 5314.4, START TIME (SEC) = 3.28326
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40

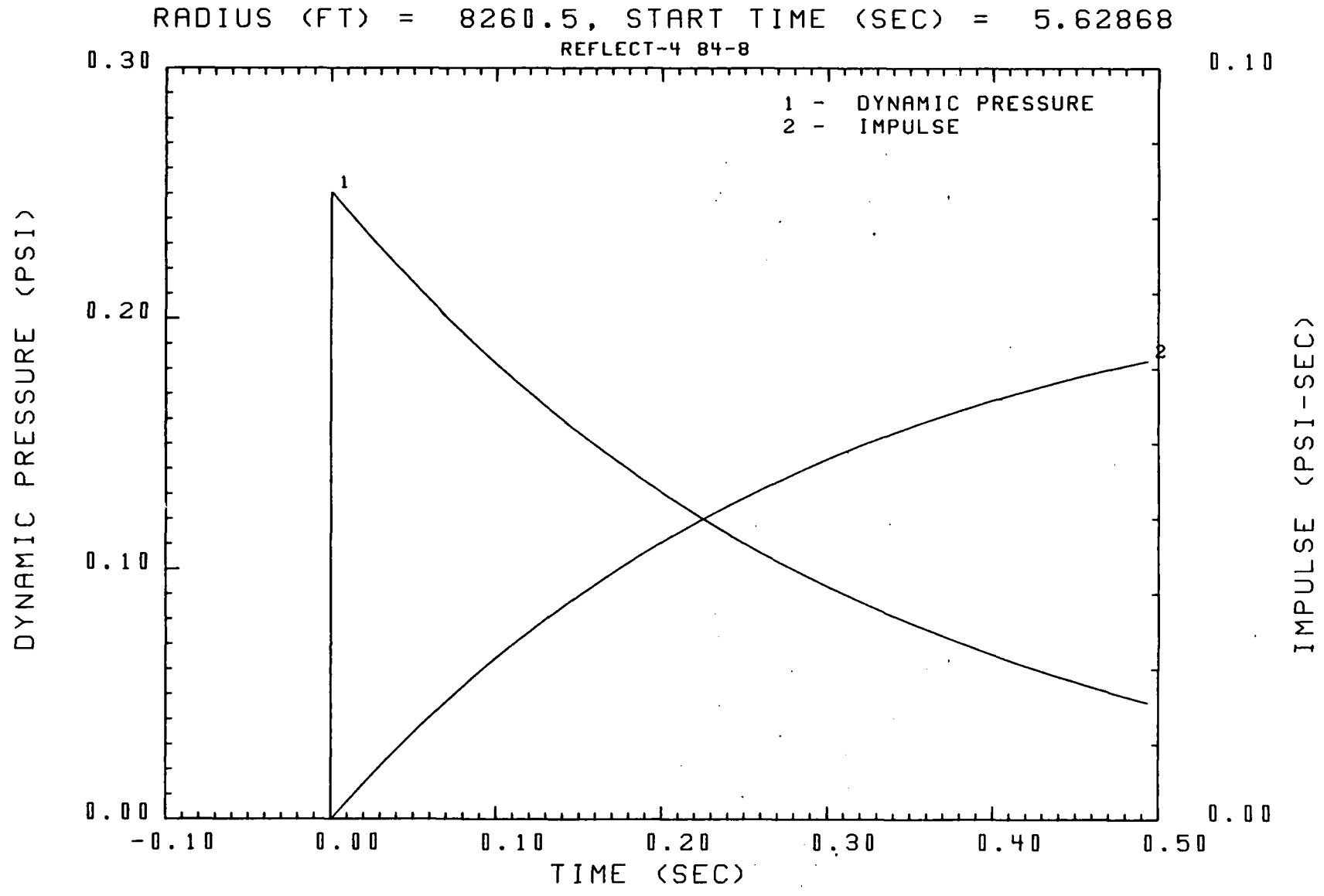

RADIUS (FT) = 5314.4, START TIME (SEC) = 3.28326
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0.30
0.20
0.10
0.00
-1
0
1
2
3

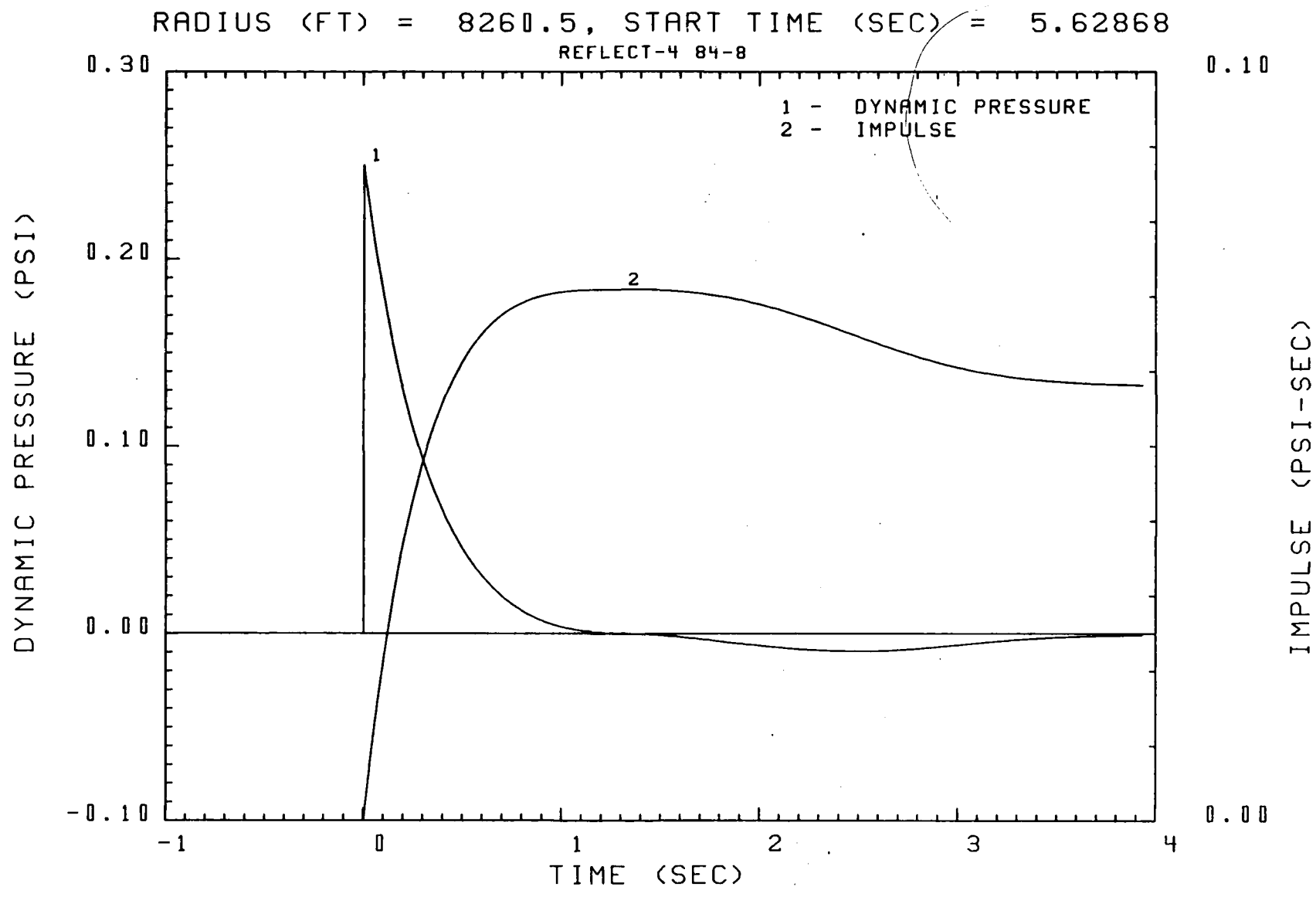

RADIUS (FT) = 5816.6, START TIME (SEC) = 3.66934
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40

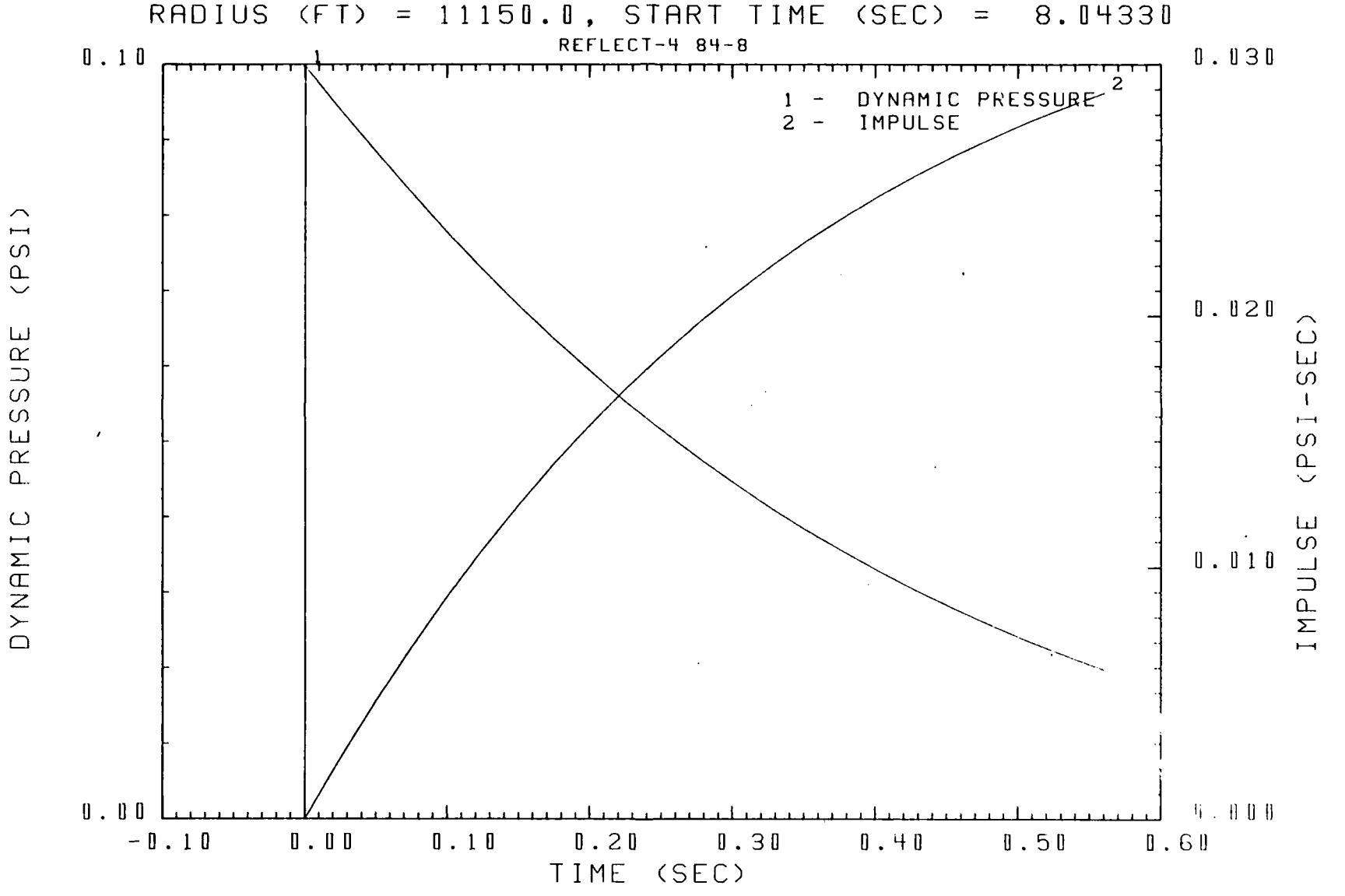

RADIUS (FT) = 5816.6, START TIME (SEC) = 3.66934
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
1
2
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
0.20
0.10
0.00
-1
0
1
2
3
4

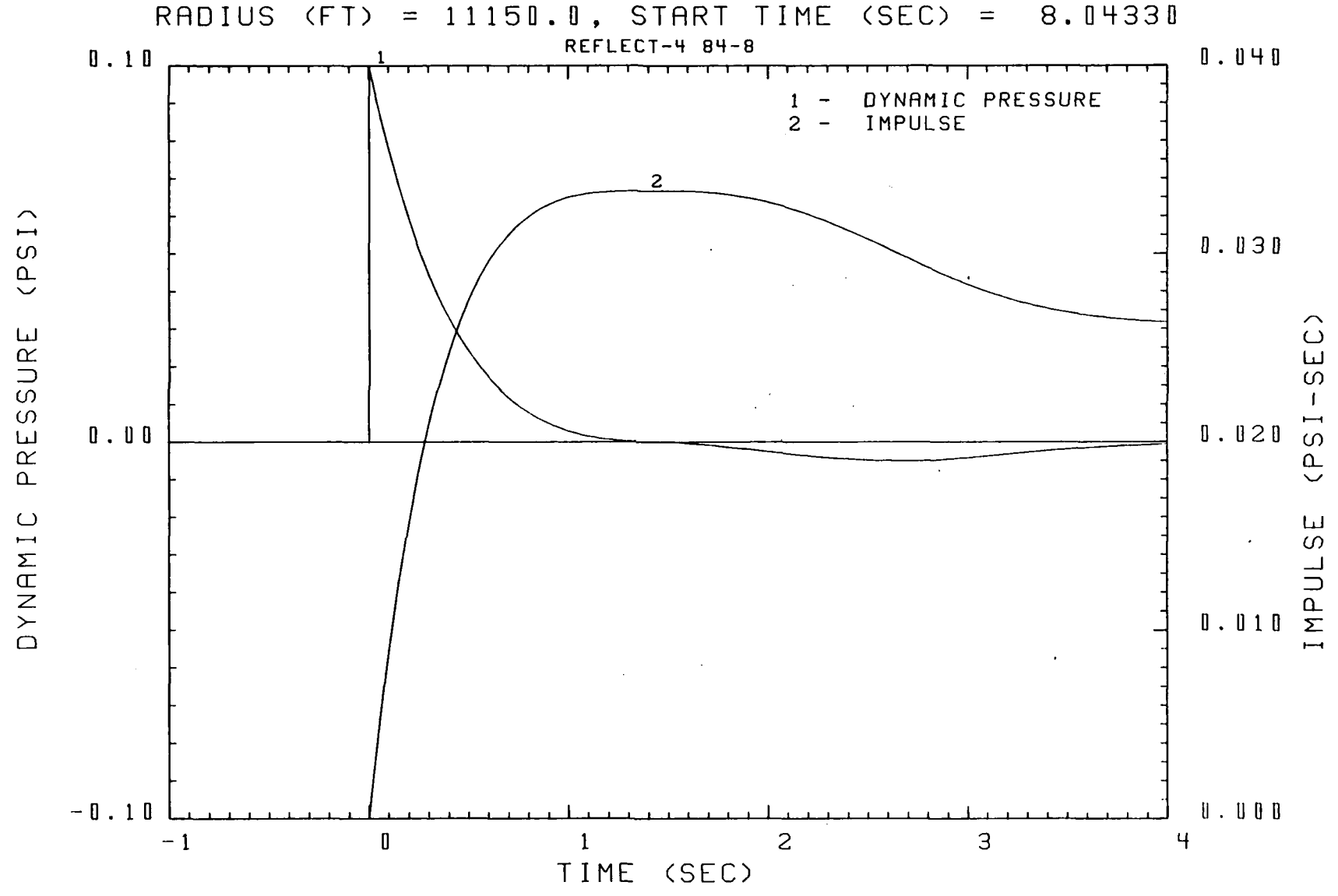

RADIUS (FT) = 6616.5, START TIME (SEC) = 4.29816
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

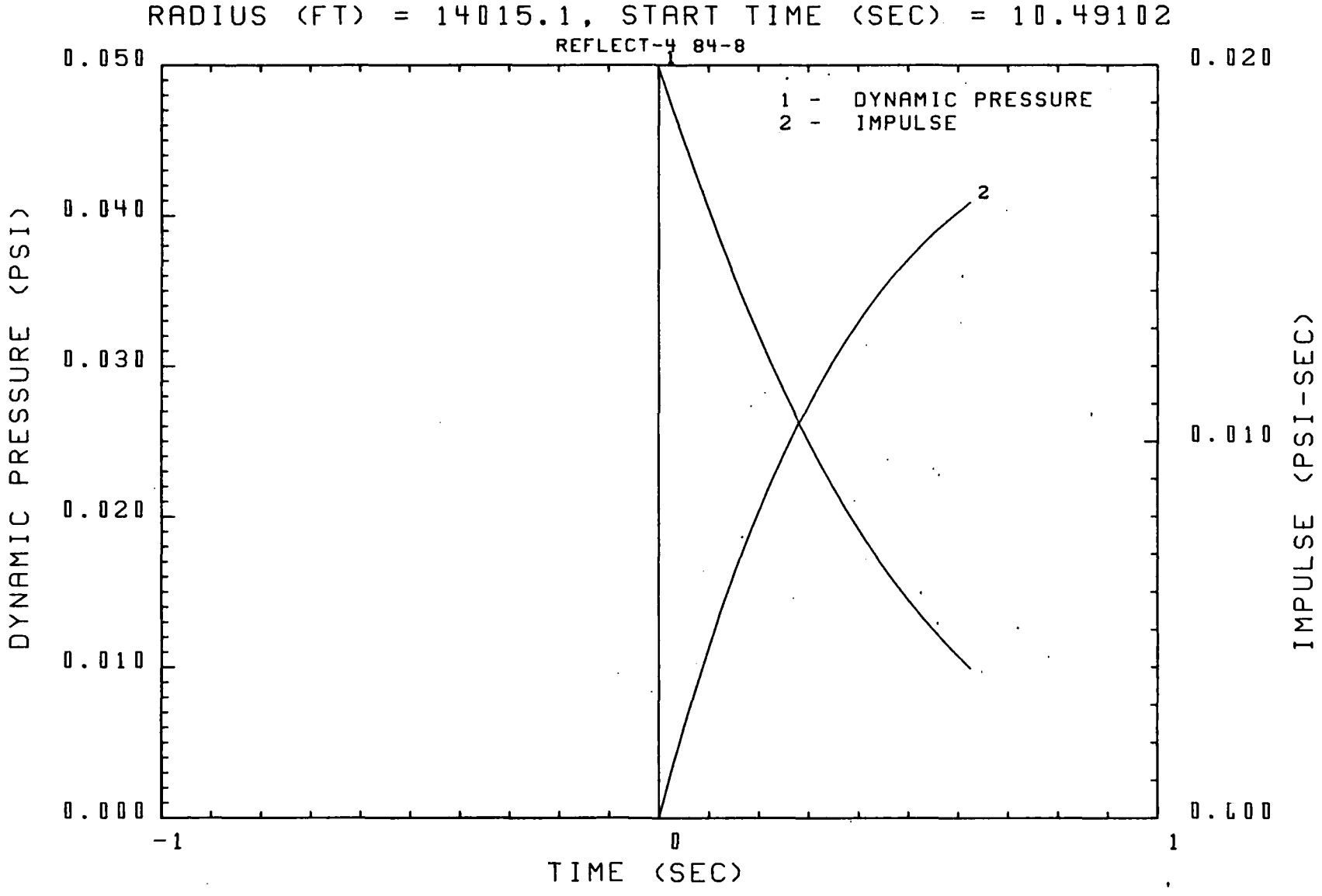

RADIUS (FT) = 6616.5, START TIME (SEC) = 4.29816
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
0.20
0.10
0.00
-1
0
1
2
3
4

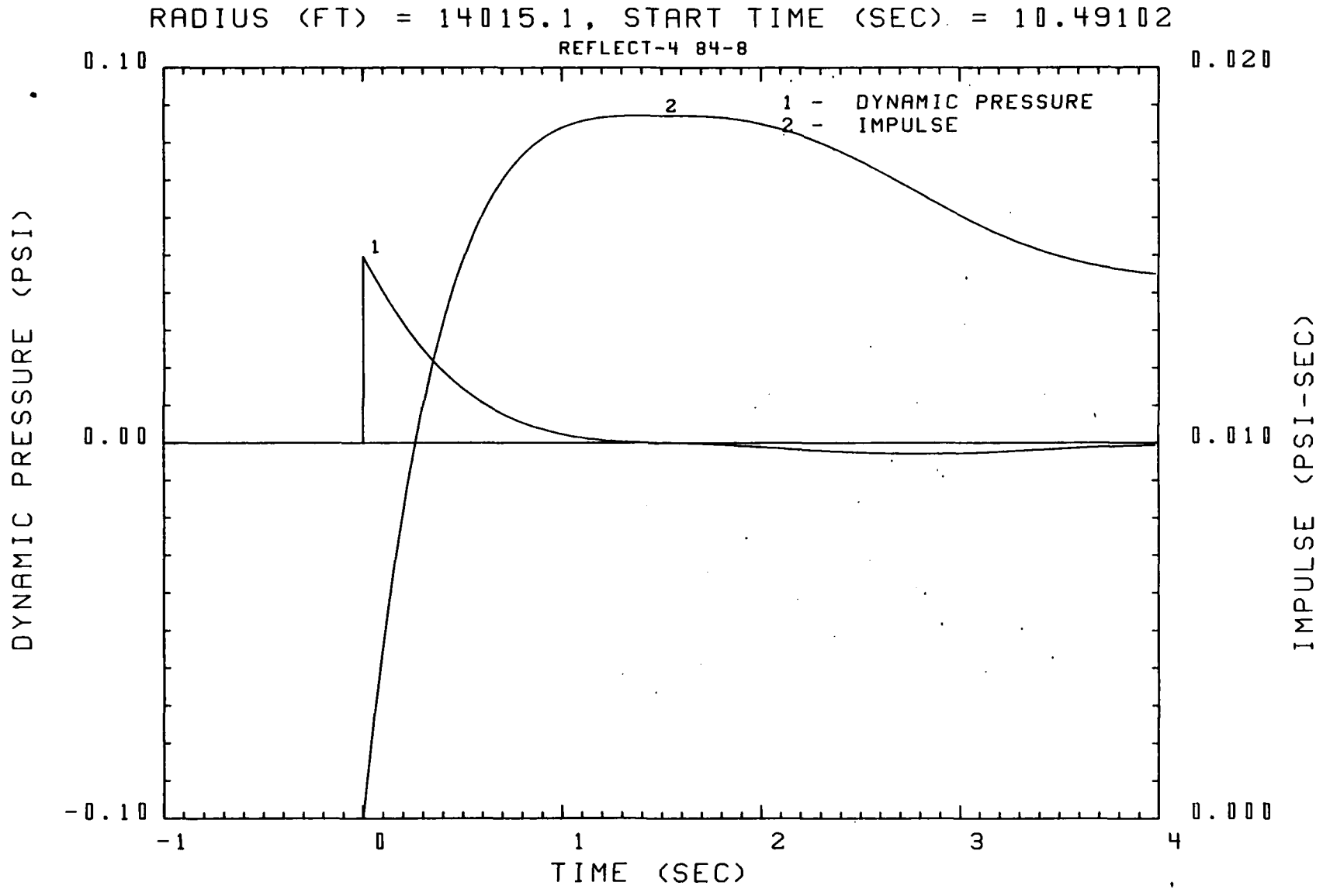

RADIUS (FT) = 8260.5, START TIME (SEC) = 5.62868
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.30
0.20
0.10
0.00
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

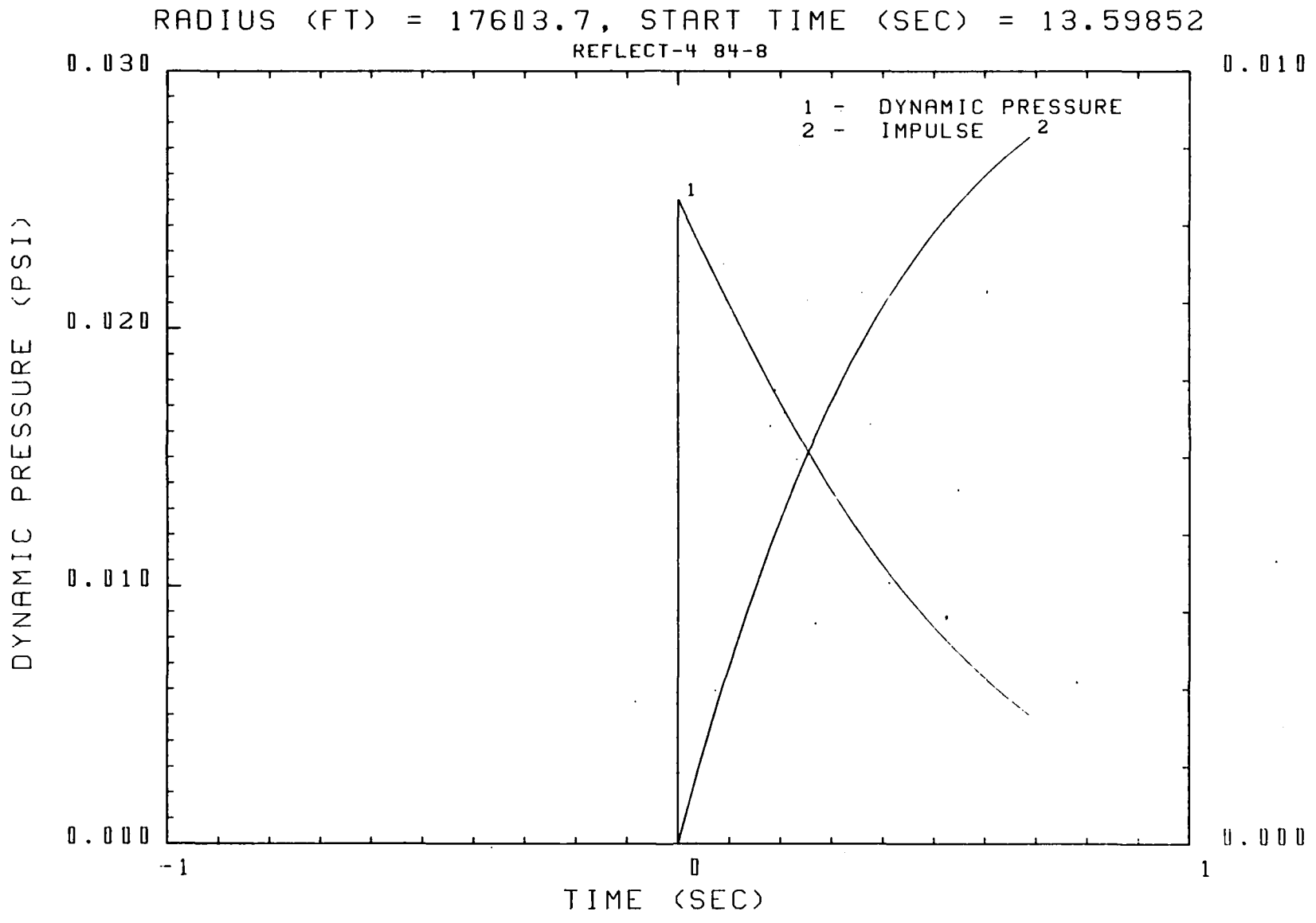

RADIUS (FT) = 8260.5, START TIME (SEC) = 5.62868
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.30
0.20
0.10
0.00
-0.10
0.10
0.00
-1
0
1
2
3
4

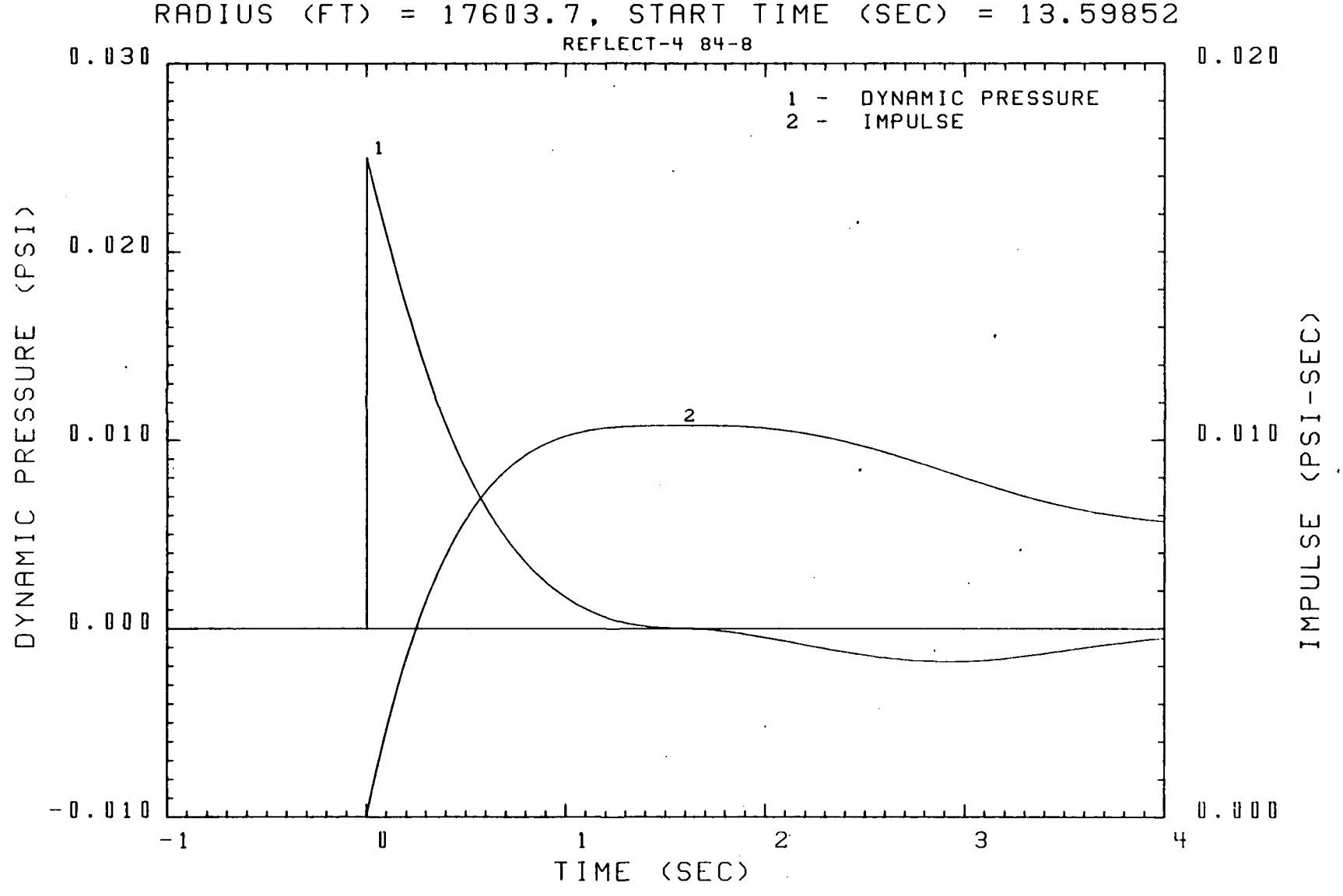

RADIUS (FT) = 11150.0, START TIME (SEC) = 8.04330
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.10
0.00
0.030
0.020
0.010
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60


RADIUS (FT) = 11150.0, START TIME (SEC) = 8.04330
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
1
2
0.10
0.00
-0.10
0.040
0.030
0.020
0.010
0.000
-1
0
1
2
3
4
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)


RADIUS (FT) = 14015.1, START TIME (SEC) = 10.49102
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.050
0.040
0.030
0.020
0.010
0.000
0.020
0.010
0.000
-1
0
1
1
2


RADIUS (FT) = 14015.1, START TIME (SEC) = 10.49102
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
0.10
0.00
-0.10
0.020
0.010
0.000
-1
0
1
2
3
4
TIME (SEC)
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)


RADIUS (FT) = 17603.7, START TIME (SEC) = 13.59852
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
0.030
0.020
0.010
0.000
0.010
0.000
-1
0
1
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)


RADIUS (FT) = 17603.7, START TIME (SEC) = 13.59852
REFLECT-4 84-8
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.030
0.020
0.010
0.000
-0.010
0.020
0.010
0.000
-1
0
1
2
3
4
1
2

APPENDIX C

PRESSURE AND IMPULSE TIME HISTORIES FOR 2052-FT HOB

This appendix presents plotted time histories of ground-level overpressure, dynamic pressure and the corresponding two impulses for a 40-KT nuclear burst at a height of burst of 2052-ft (Case 6 of Table 1), computed by the REFLECT-4 code. Code and run details are described in Volume I.

The data presented are for a composite of several REFLECT-4 code runs which is designated as REFLECT-4 Run 84-7. This run uses the results of REFLECT-4A Run 84-3 and REFLECT-4B run 84-7 (Case 6).

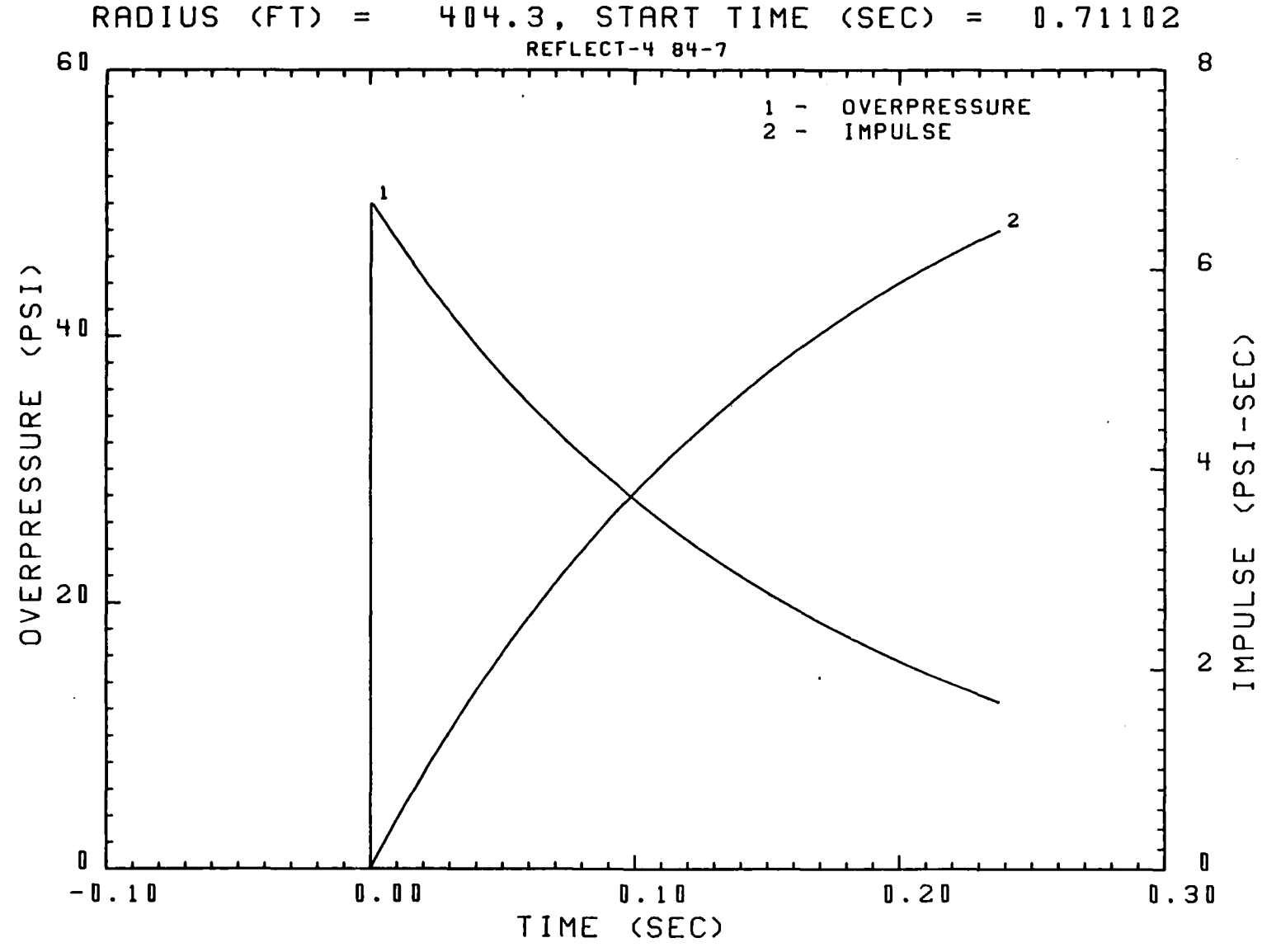
Table 15 indicates the ground ranges and maximum overpressures for which time histories of overpressure and overpressure impulse are presented in Figure 5. Table 16 indicates the ground ranges and maximum dynamic pressures for which time histories of dynamic pressure and dynamic pressure impulse are presented in Figure 6. Time history plots are presented for two time scales, one shorter than the positive duration and the other considerably longer.*

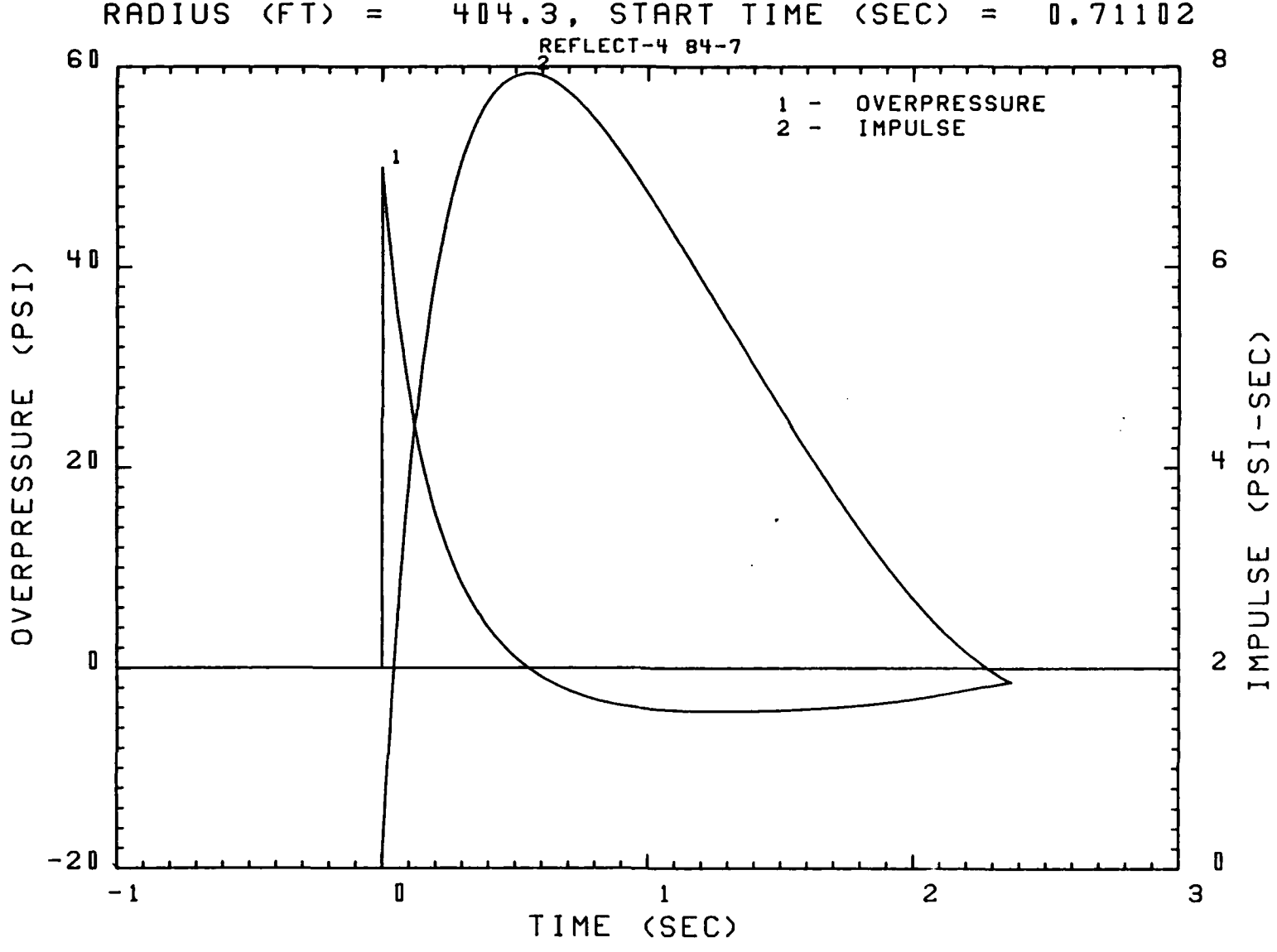
*Short numerical steps associated with rezoning changes in the REFLECT-4B code may be observed in the dynamic pressure time histories of this report for ranges of 2290.1 to 2805.0 feet at the switching times of 1.461 and 2.040 seconds.

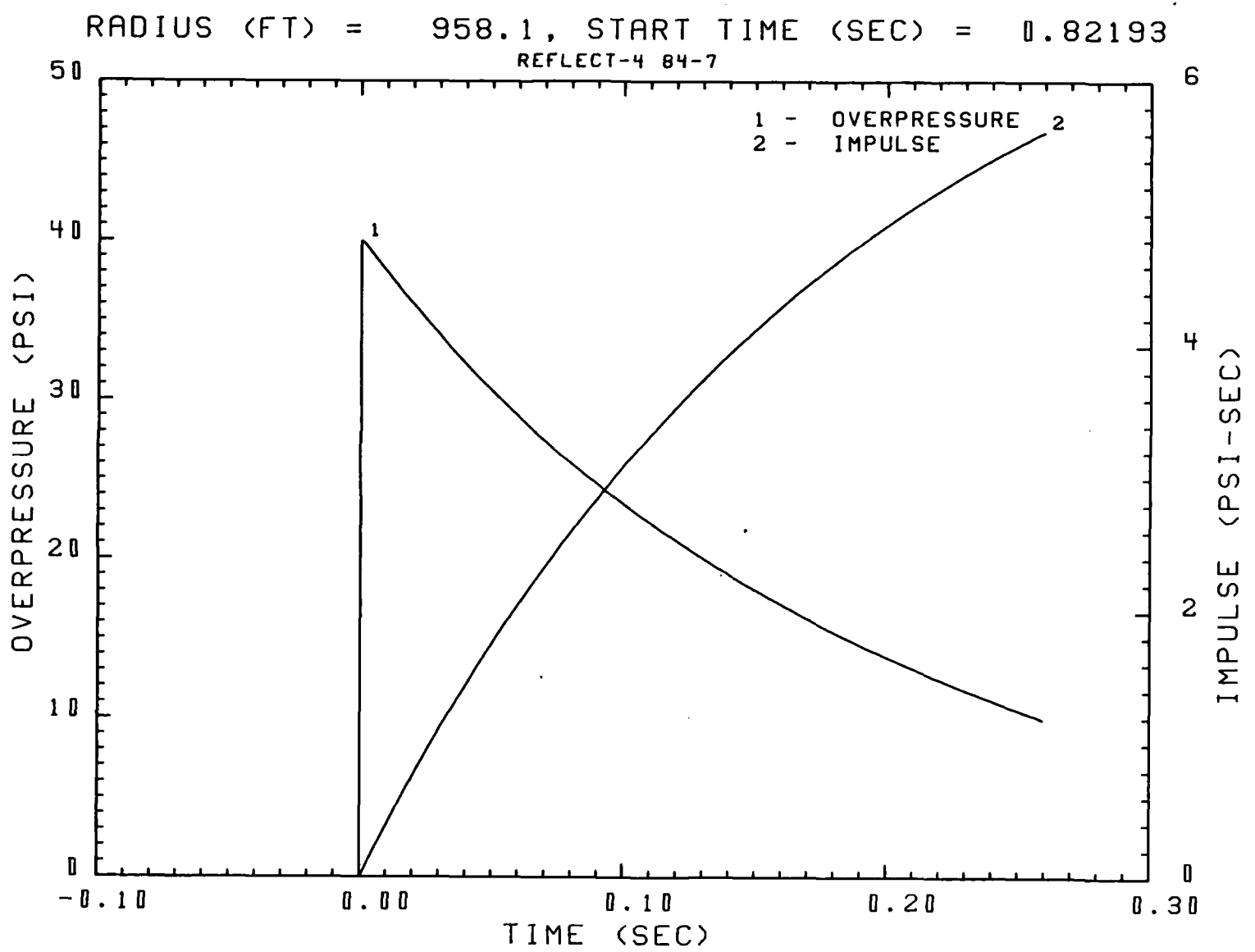
Table 15. Ground range and maximum overpressure for overpressure plots for 2052-ft HOB.

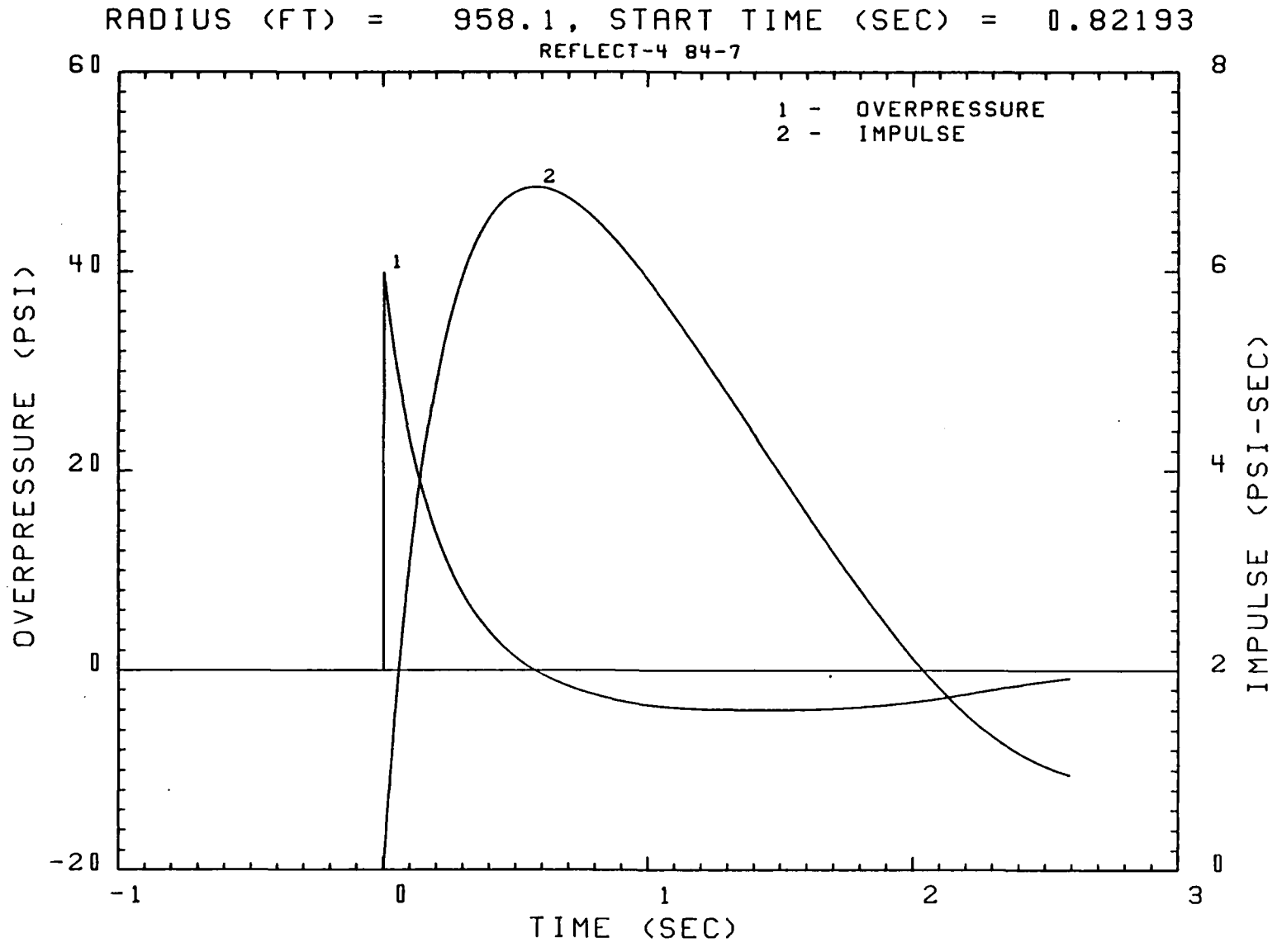
Range (ft)	Maximum Overpressure (psi)
404.3	50.0
958.1	40.0
1552.3	30.0
1753.8	27.5
1964.3	26.3
2069.5	26.6
2156.4	28.3
2193.0	30.0
2216.0	31.7
2241.4	30.0
2280.0	27.8
2290.1	30.5
2347.6	28.3
2545.9	25.0
2714.5	22.5
2901.2	20.0
3422.8	15.0
4403.9	10.0
4690.4	9.0
5031.2	8.0
5460.5	7.0
5997.6	6.0
6684.8	5.0
7653.1	4.0
9174.1	3.0
11852.4	2.0
14286.1	1.5
18601.9	1.0

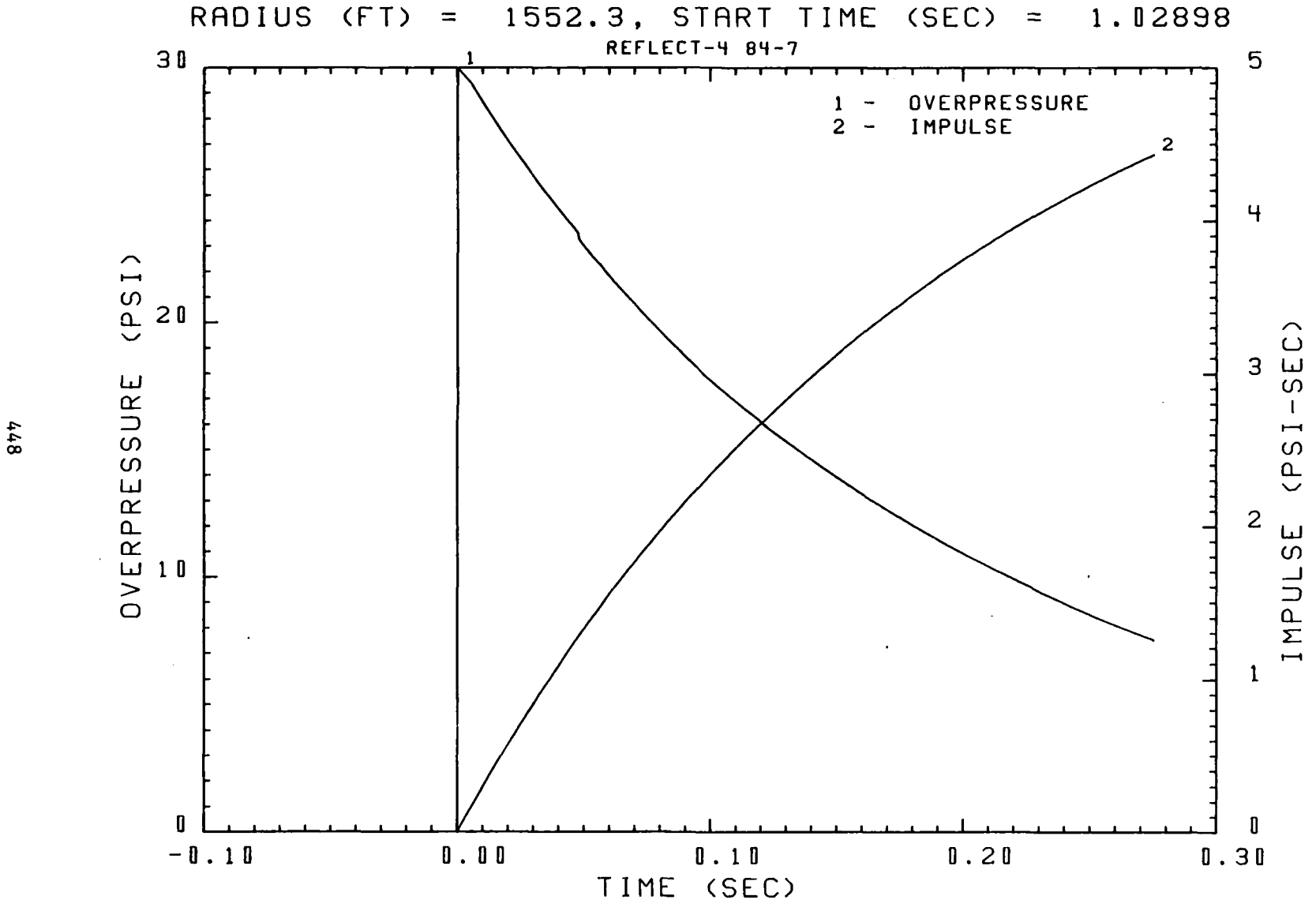
Figure 5. Overpressure and impulse time histories for 2052-ft HOB.

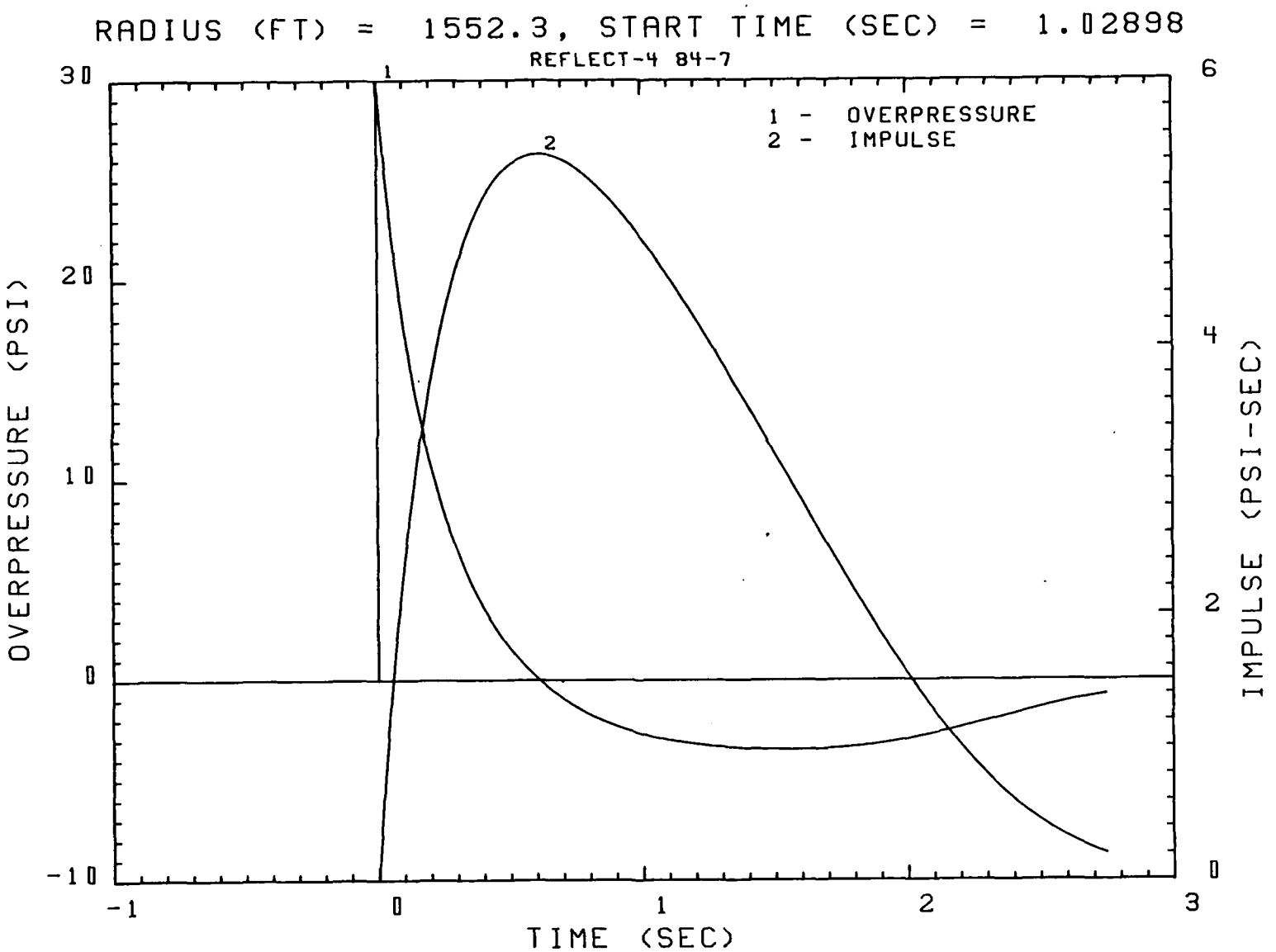

RADIUS (FT) = 404.3, START TIME (SEC) = 0.71102
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
8
6
4
2
0
-0.10
0.00
0.10
0.20
0.30
1
2

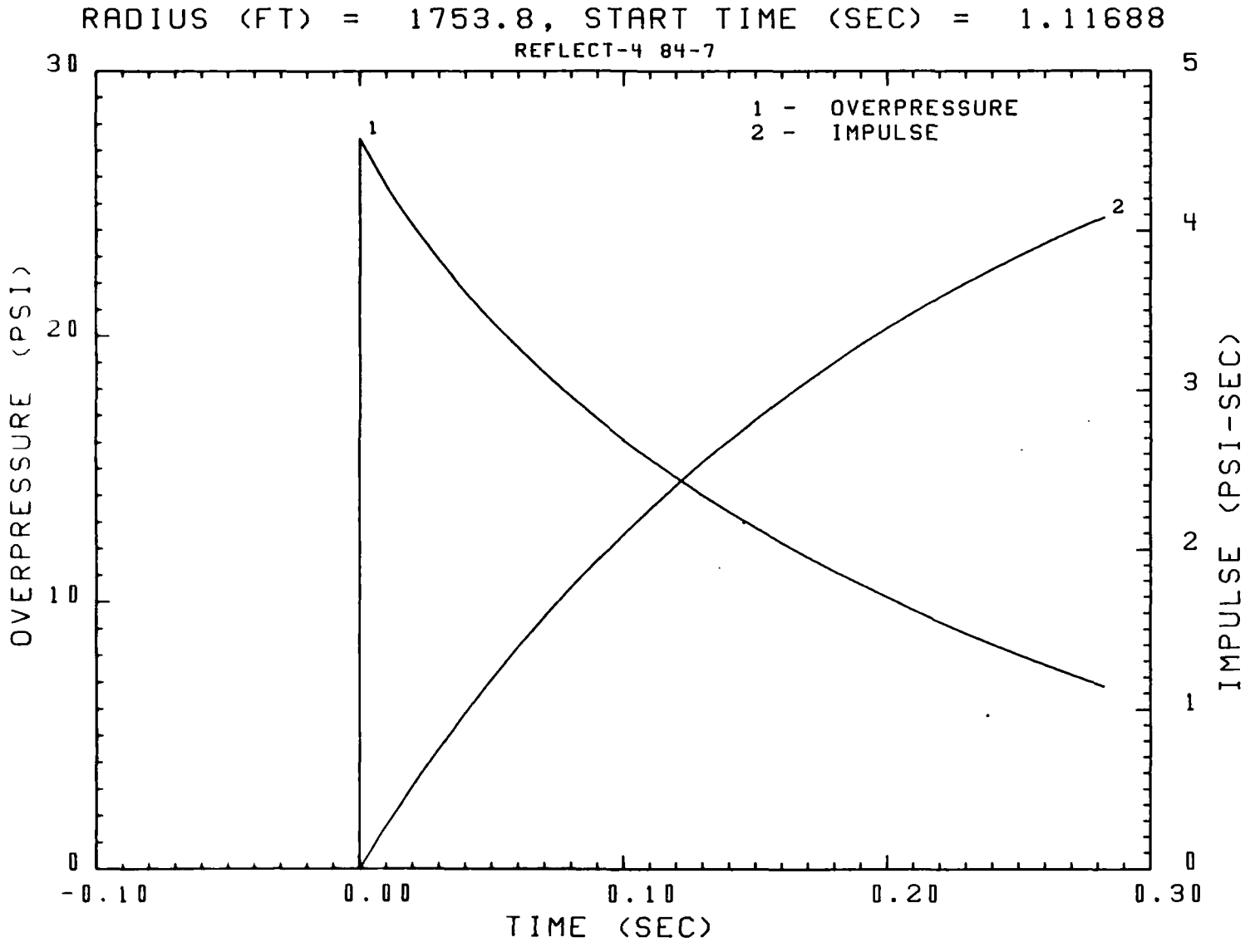

RADIUS (FT) = 404.3, START TIME (SEC) = 0.71102
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
8
6
4
2
0
-1
0
1
2
3

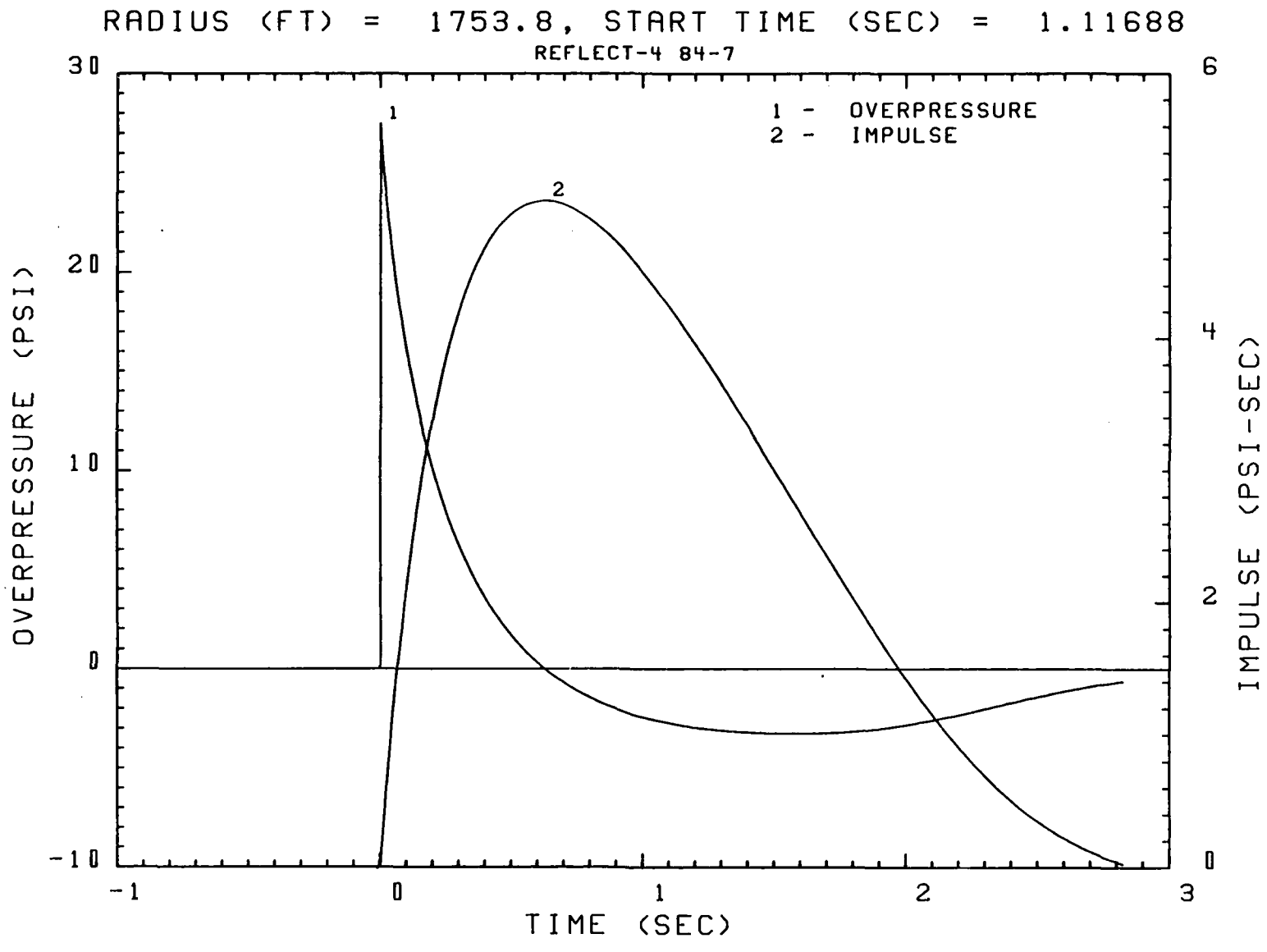

RADIUS (FT) = 958.1, START TIME (SEC) = 0.82193
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
50
40
30
20
10
0
6
4
2
0
-0.10
0.00
0.10
0.20
0.30

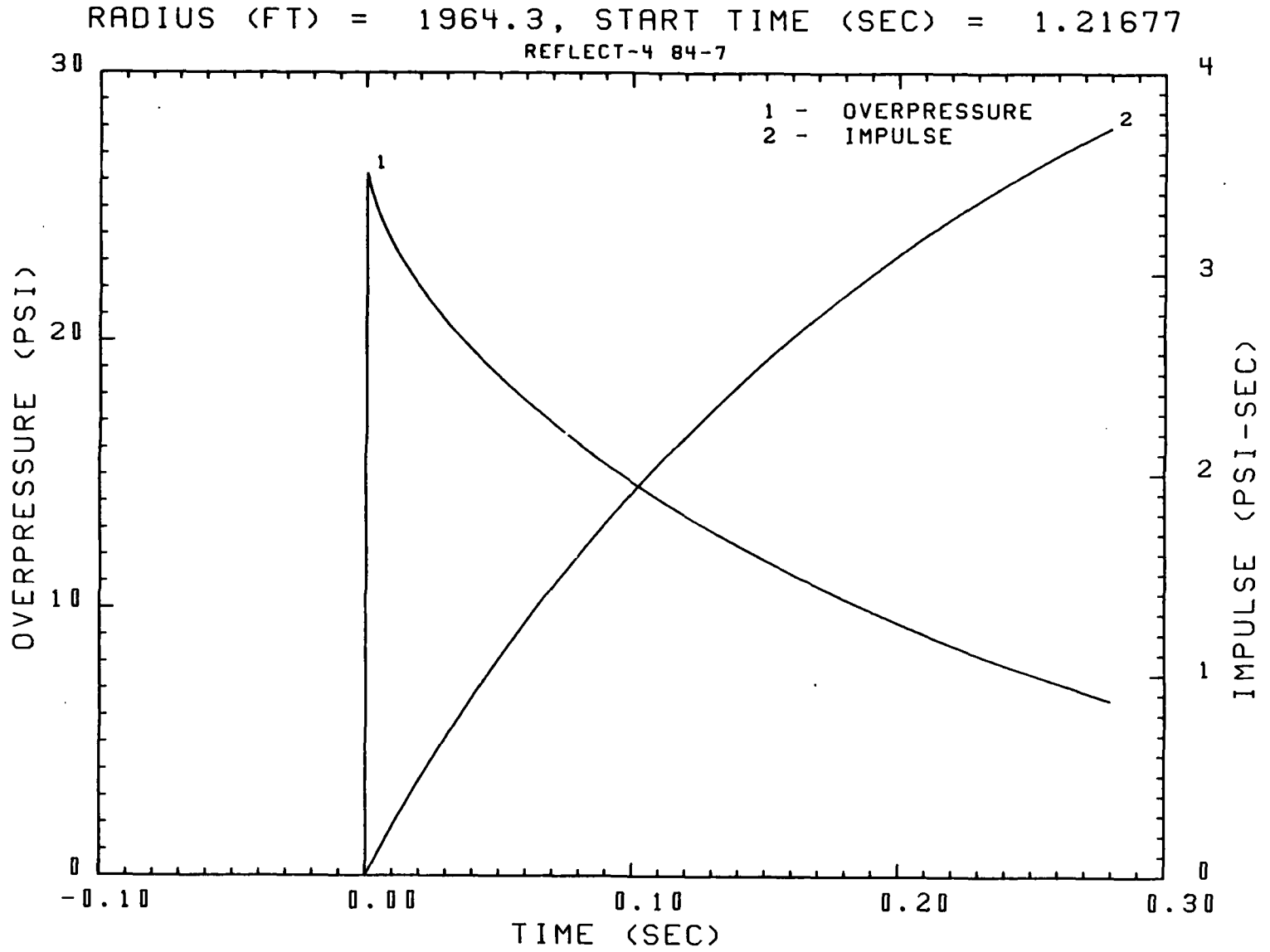

RADIUS (FT) = 958.1, START TIME (SEC) = 0.82193
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
60
40
20
0
-20
8
6
4
2
0
-1
0
1
2
3

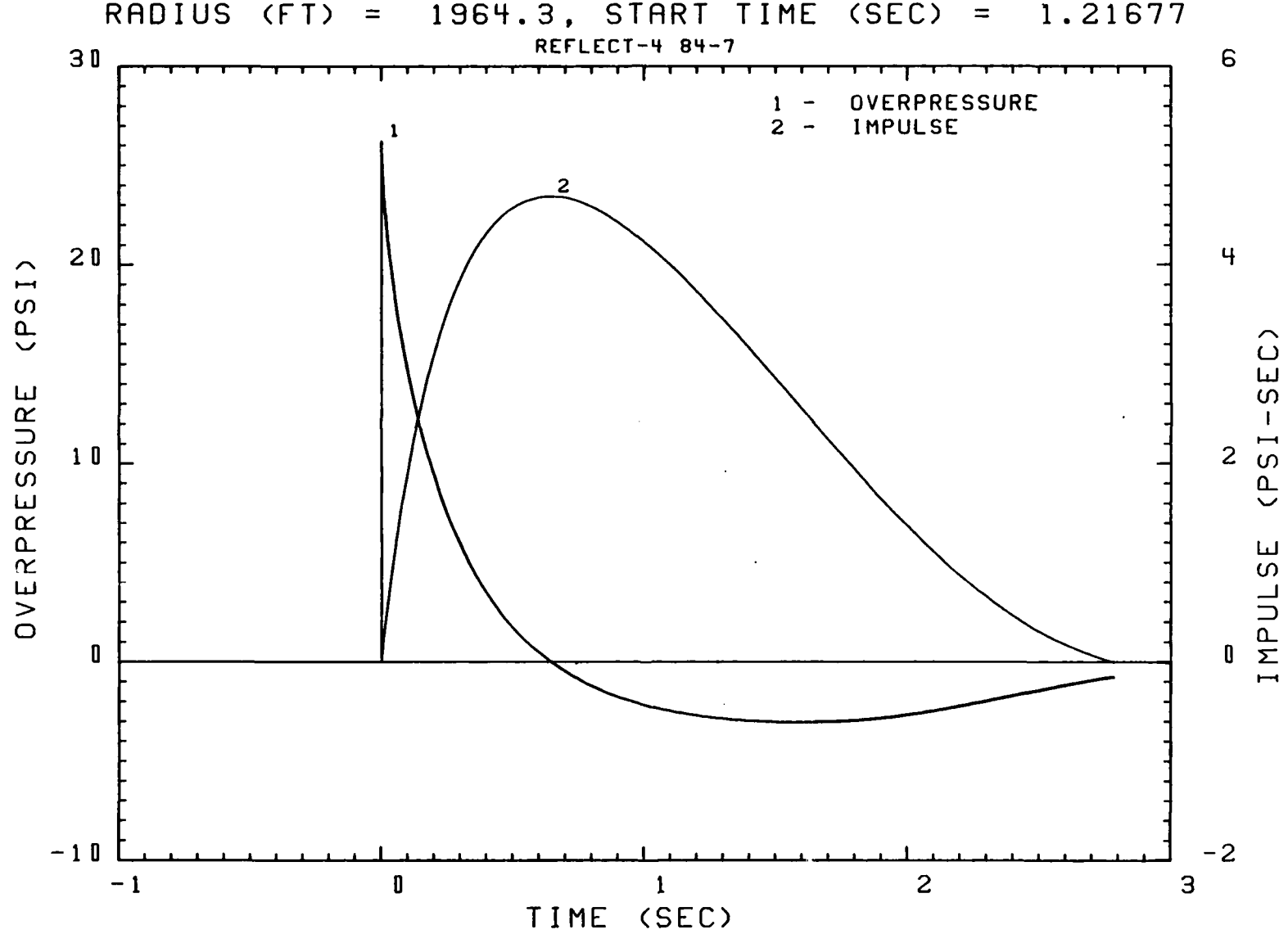

RADIUS (FT) = 1552.3, START TIME (SEC) = 1.02898
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
1
2

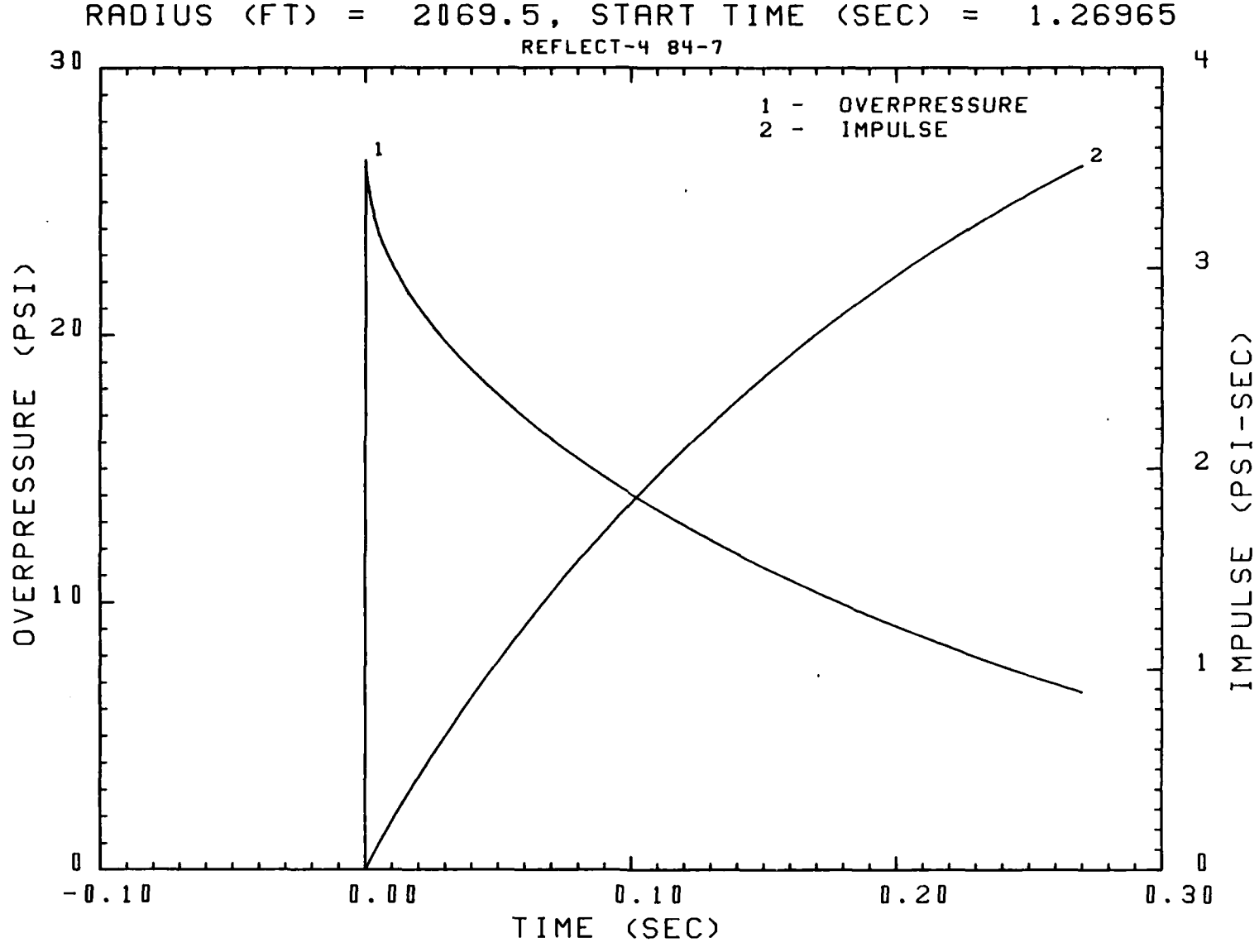

RADIUS (FT) = 1552.3, START TIME (SEC) = 1.02898
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
6
4
2
0
-1
0
1
2
3

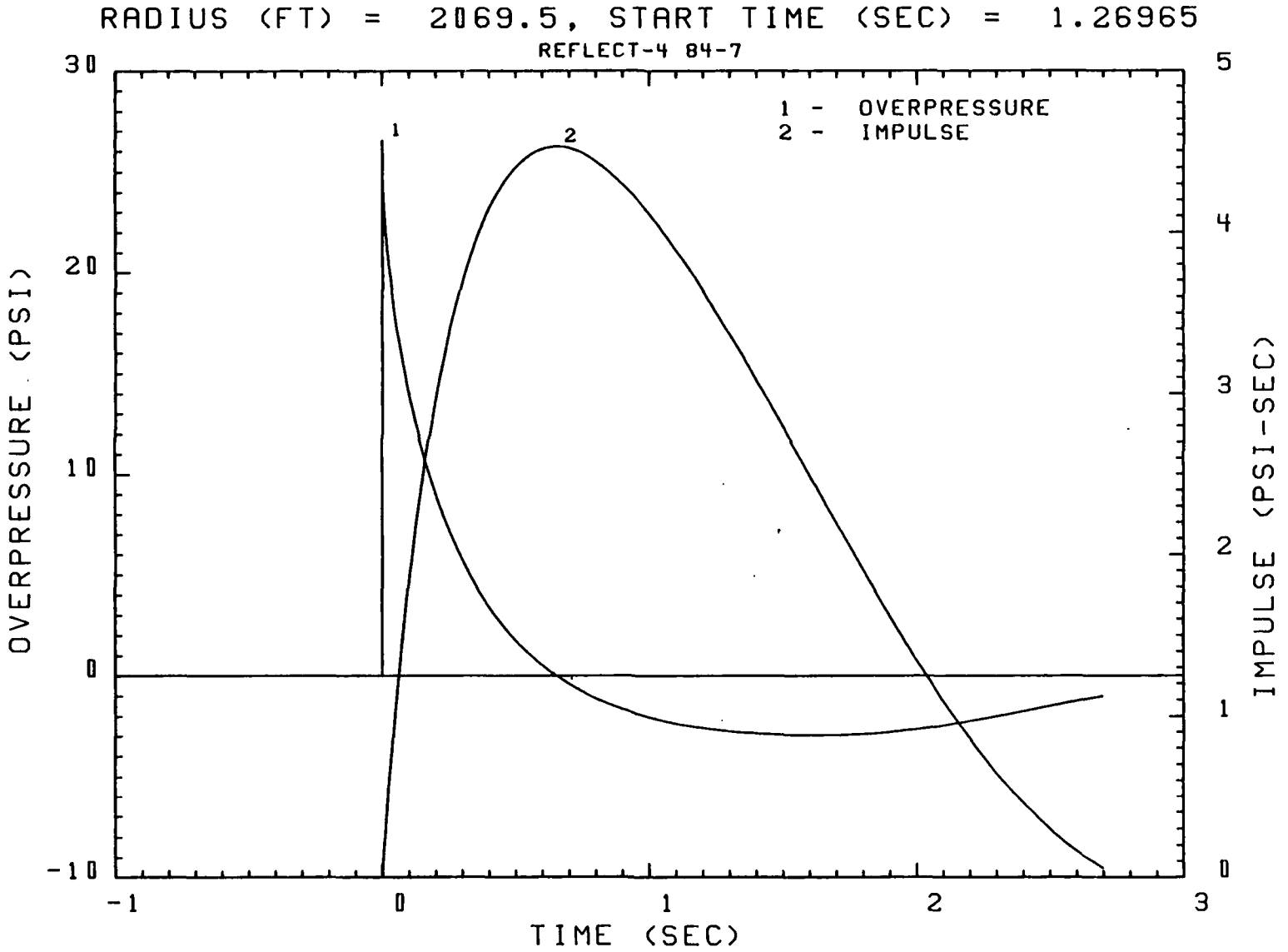

RADIUS (FT) = 1753.8, START TIME (SEC) = 1.11688
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
5
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

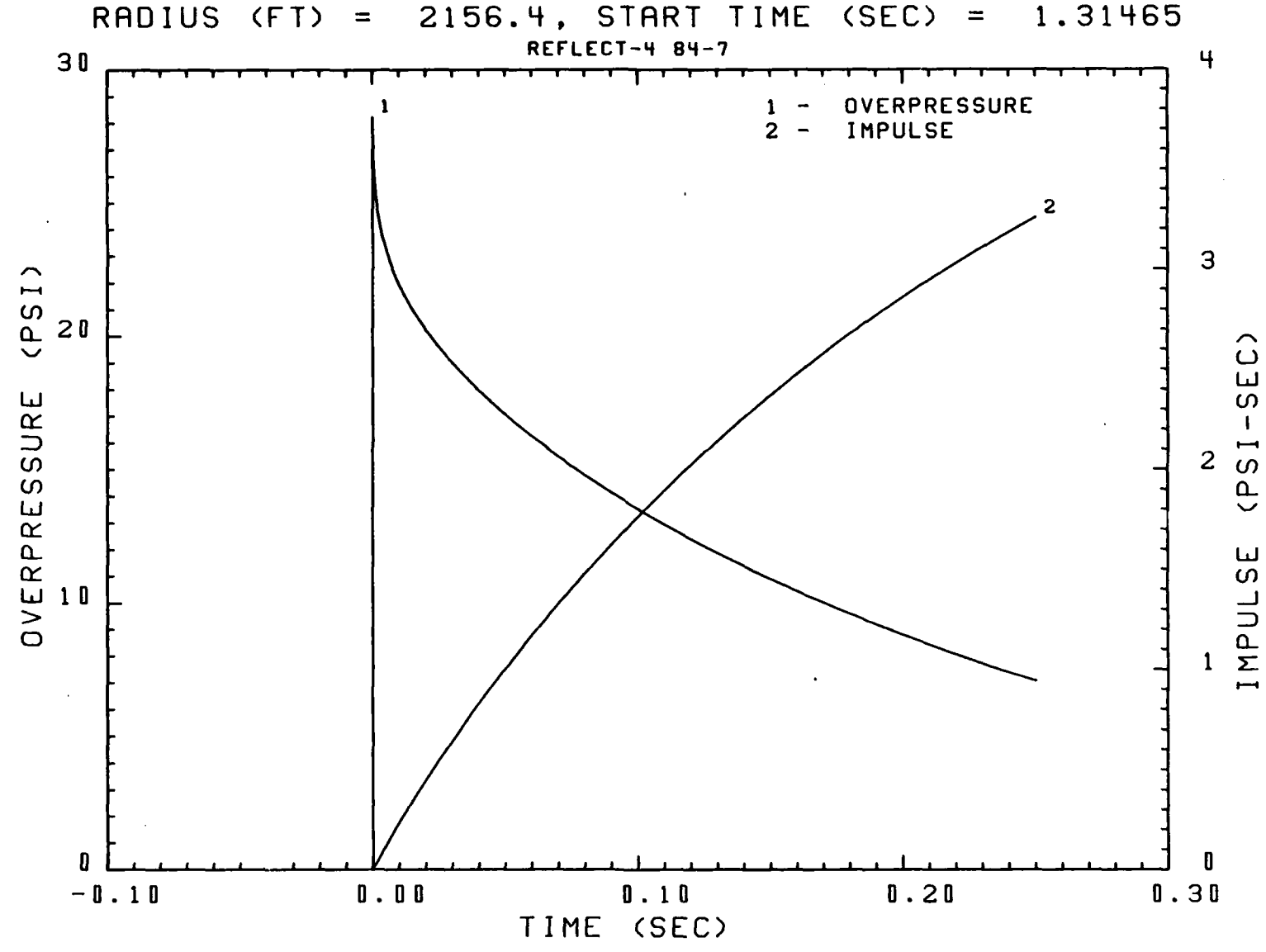

RADIUS (FT) = 1753.8, START TIME (SEC) = 1.11688
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
6
4
2
0
-1
0
1
2
3
1
2

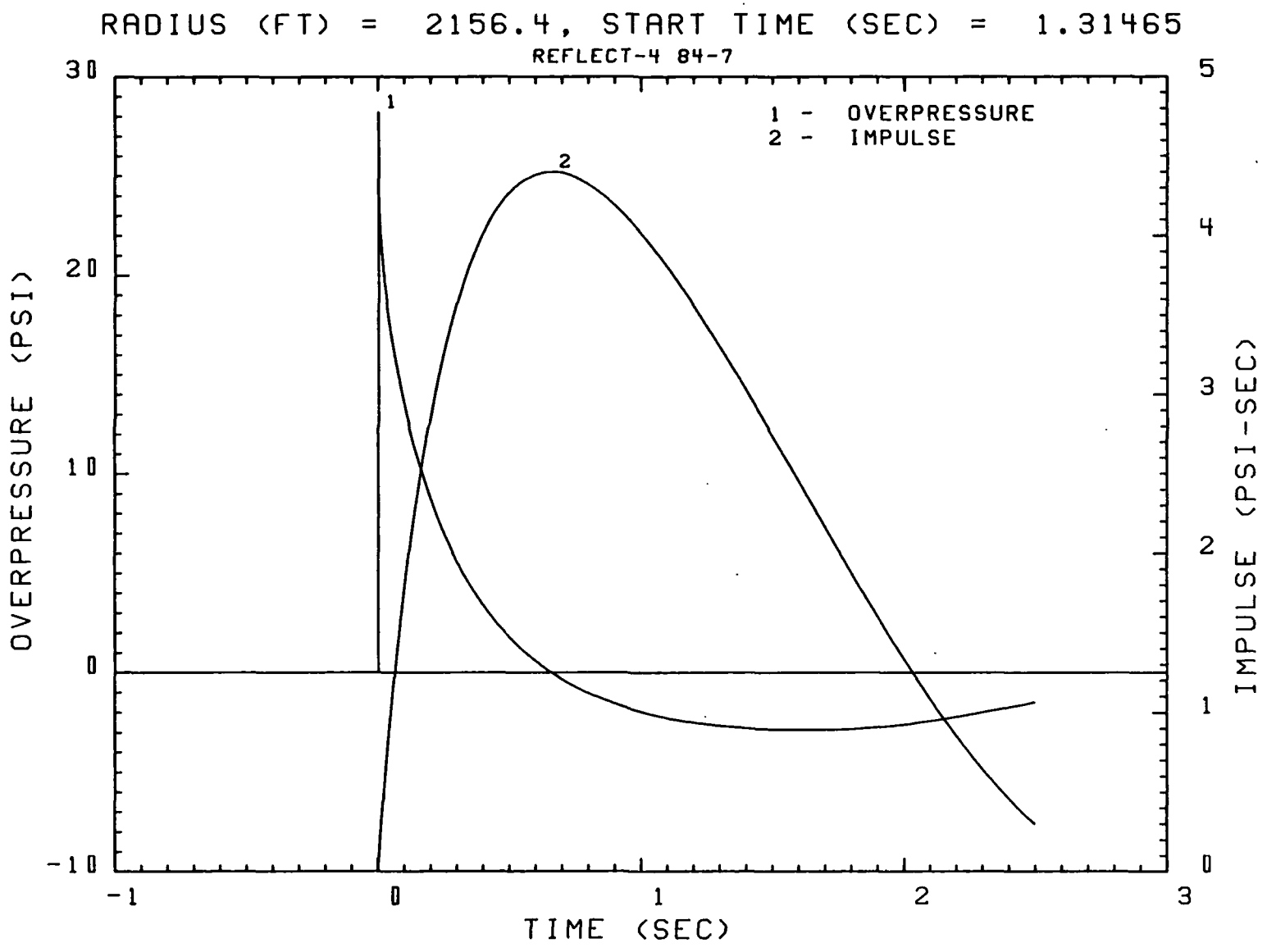

RADIUS (FT) = 1964.3, START TIME (SEC) = 1.21677
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

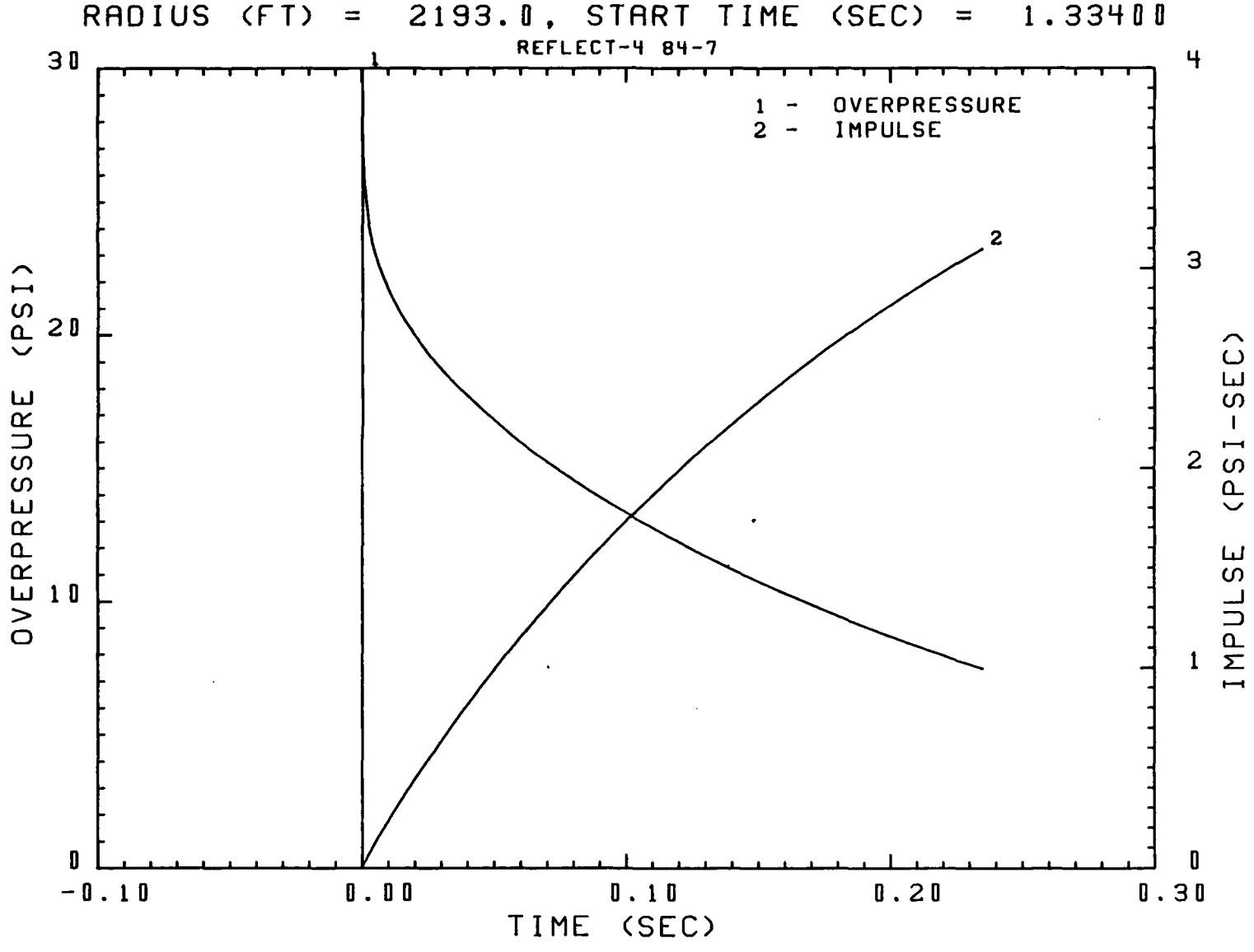

RADIUS (FT) = 1964.3, START TIME (SEC) = 1.21677
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
6
4
2
0
-2
-1
0
1
2
3

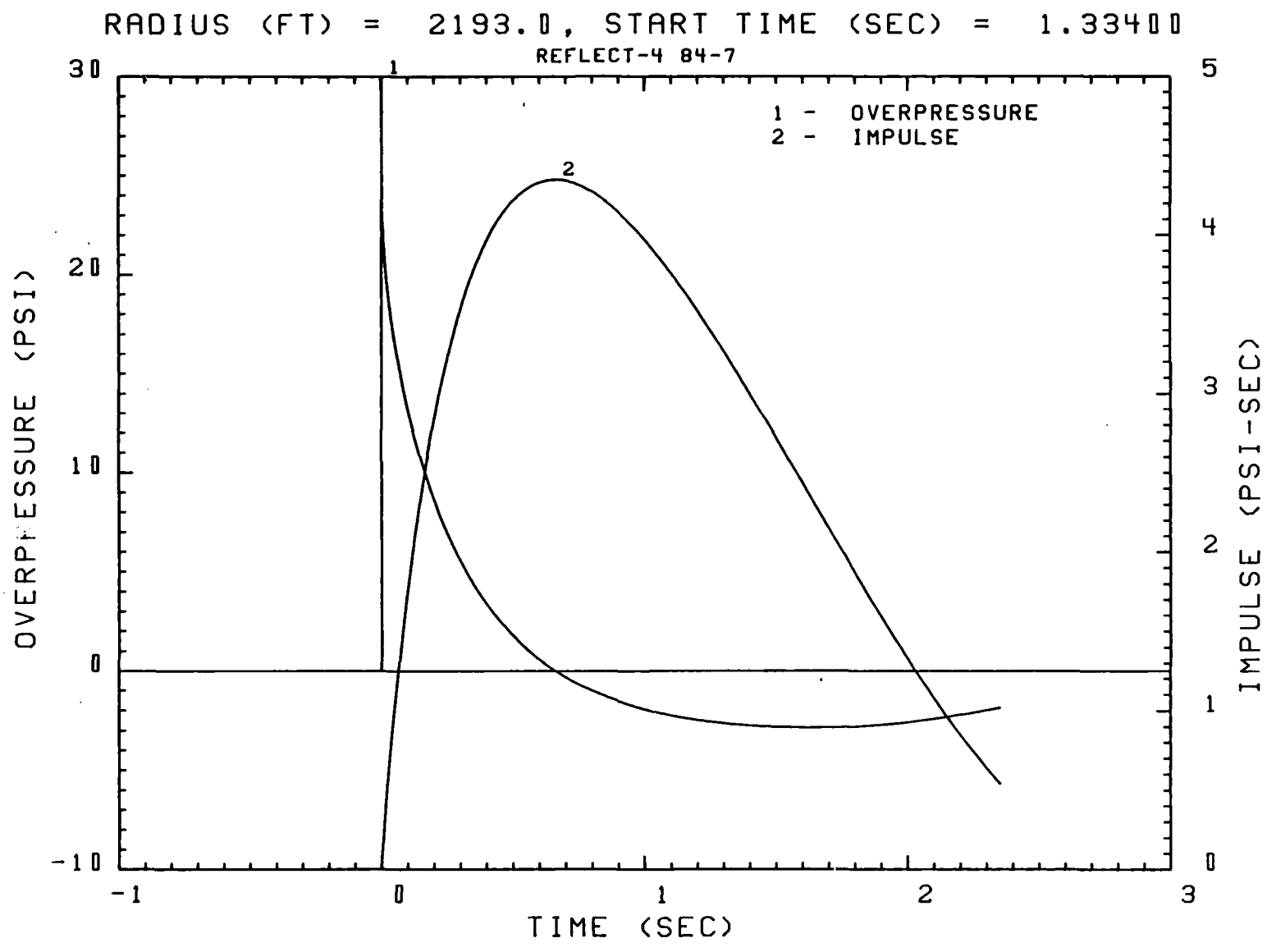

RADIUS (FT) = 2069.5, START TIME (SEC) = 1.26965
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

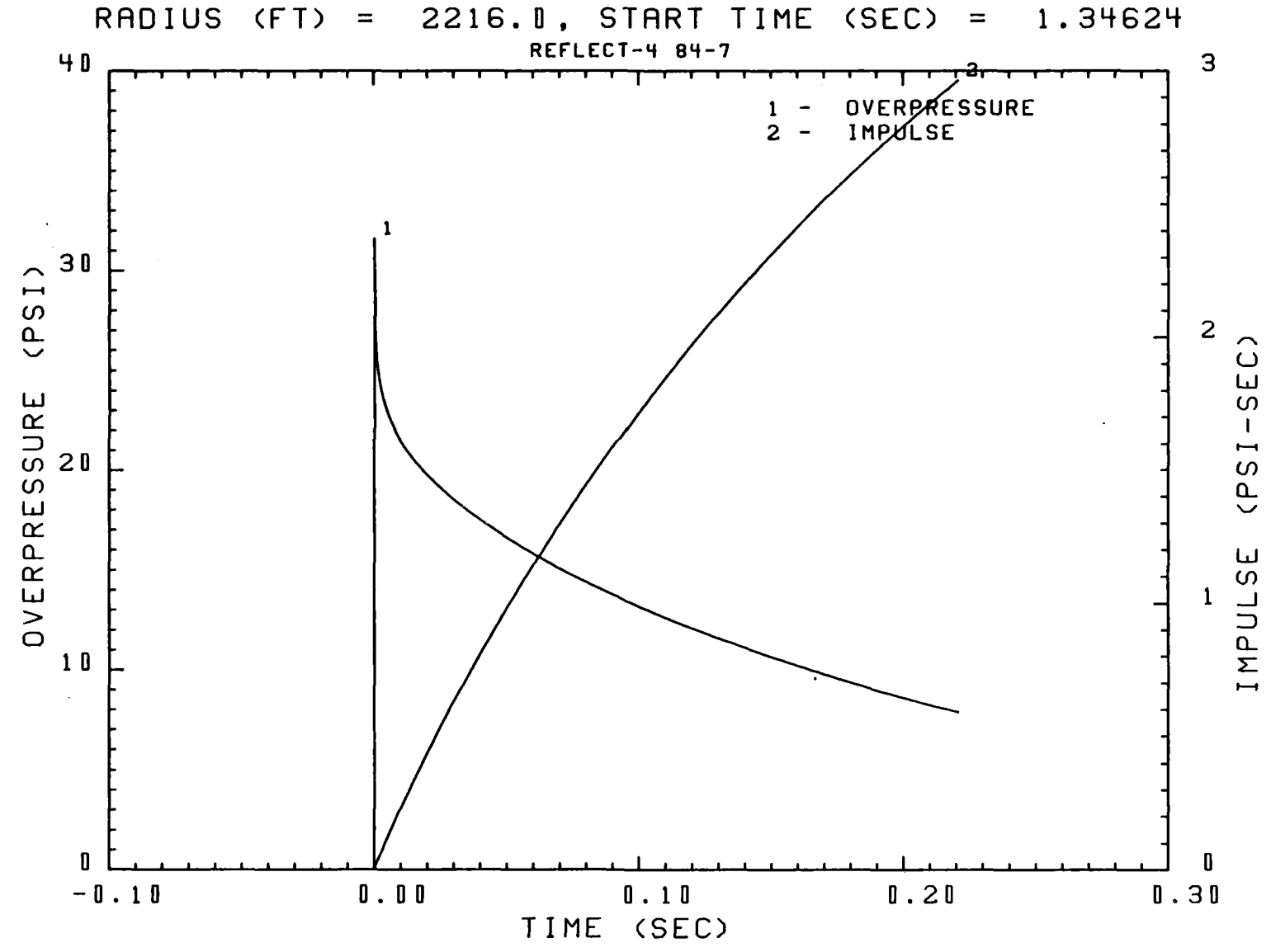

RADIUS (FT) = 2069.5, START TIME (SEC) = 1.26965
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

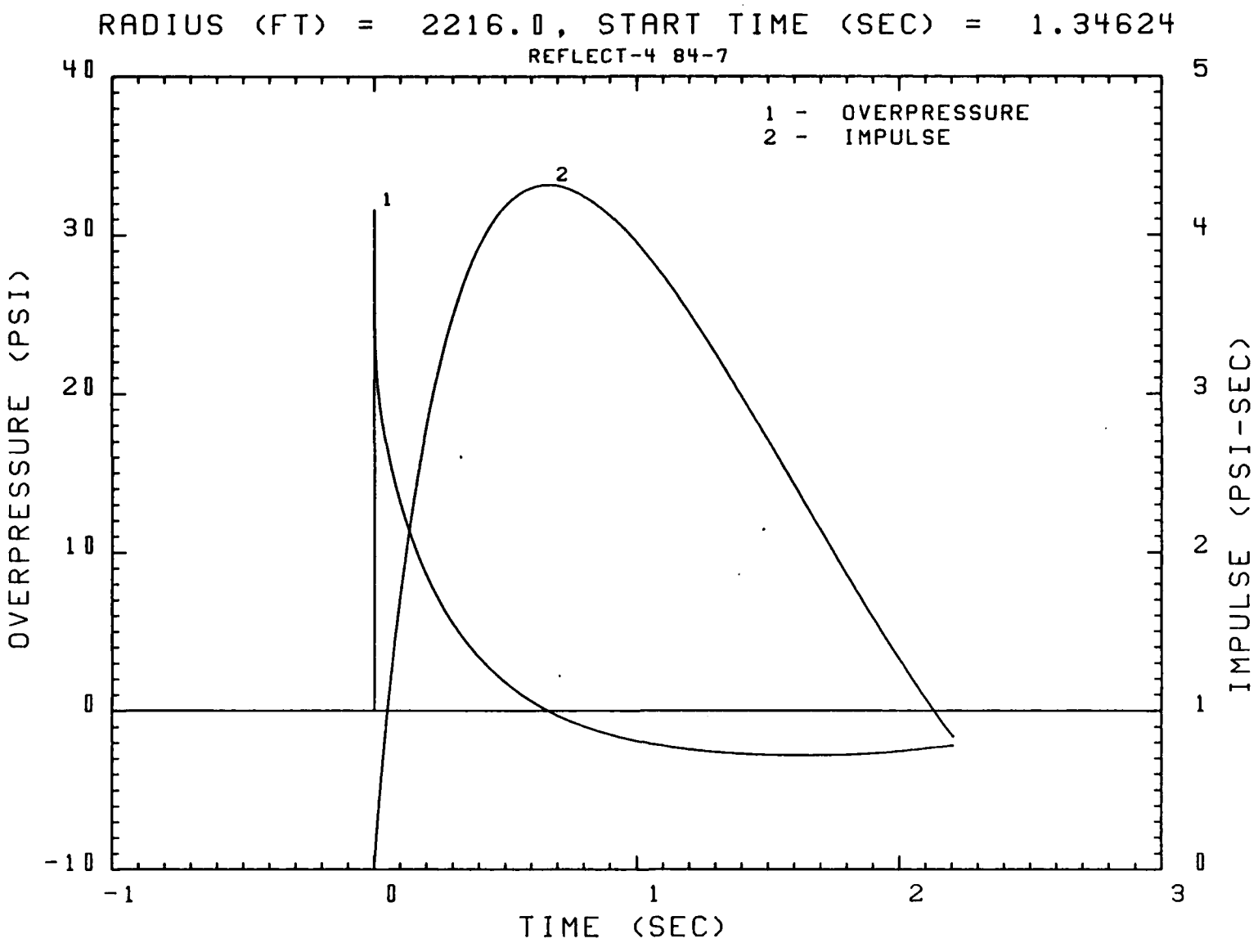

RADIUS (FT) = 2156.4, START TIME (SEC) = 1.31465
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
1
2

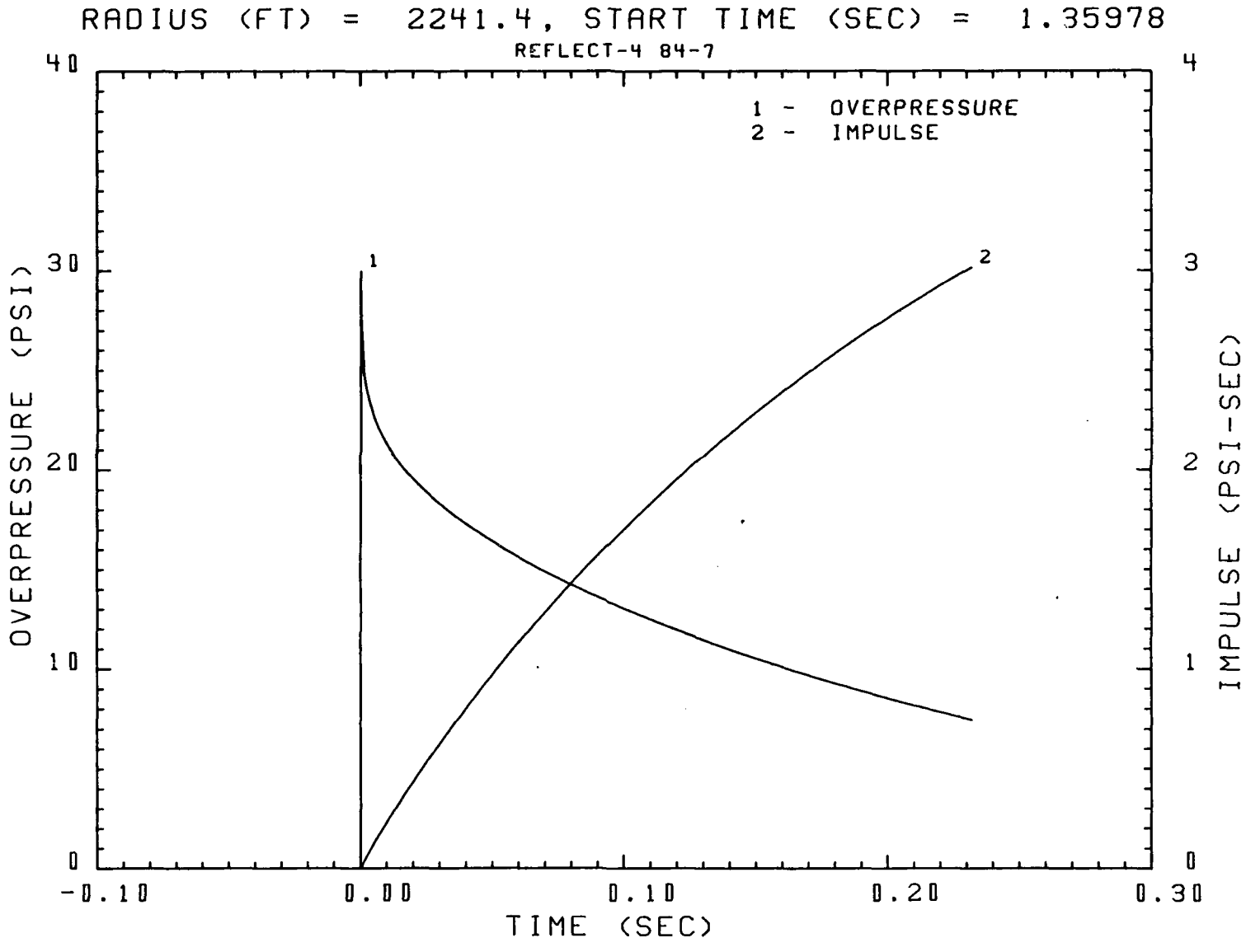

RADIUS (FT) = 2156.4, START TIME (SEC) = 1.31465
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

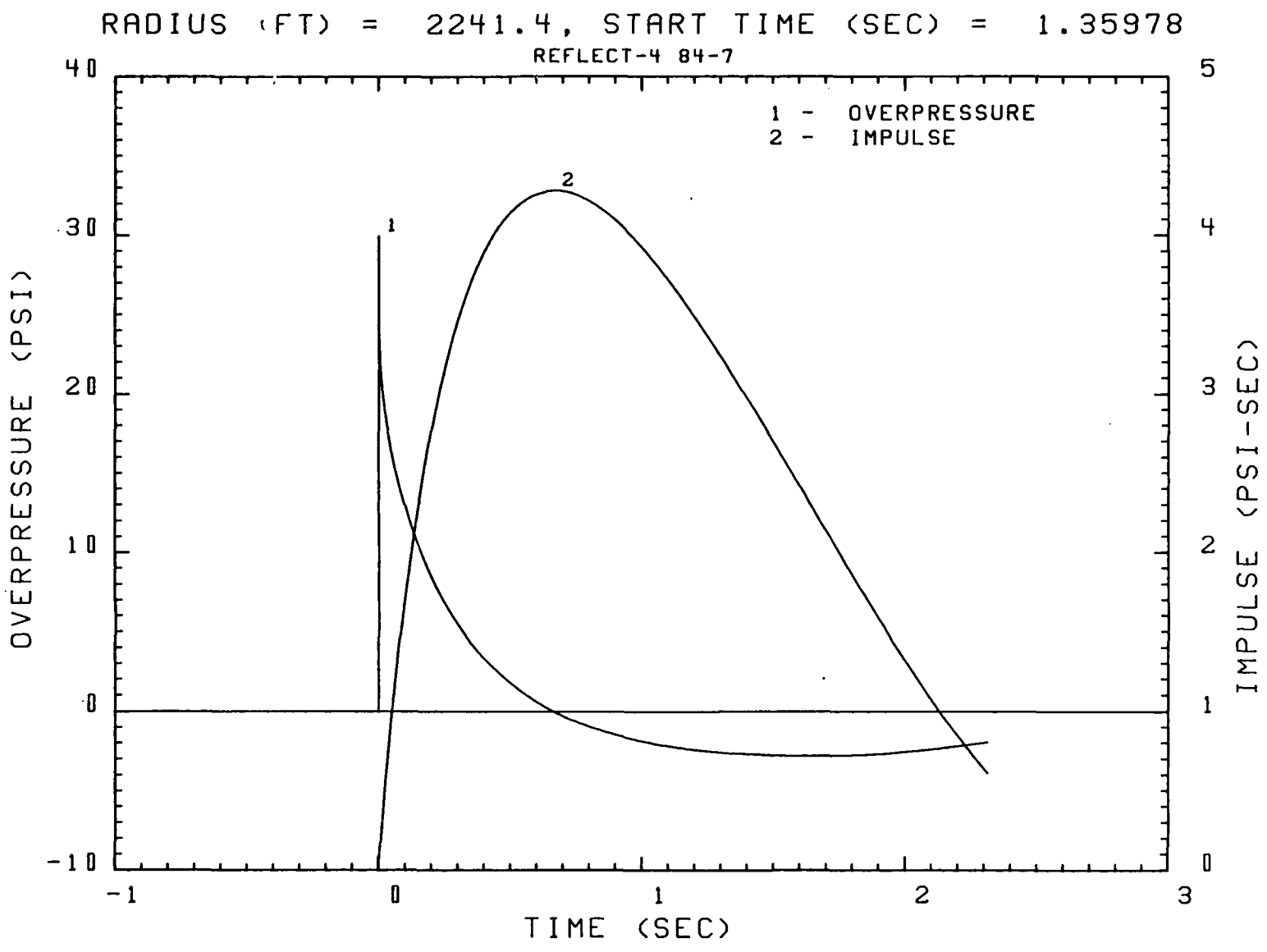

RADIUS (FT) = 2193.0, START TIME (SEC) = 1.33400
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
1
2

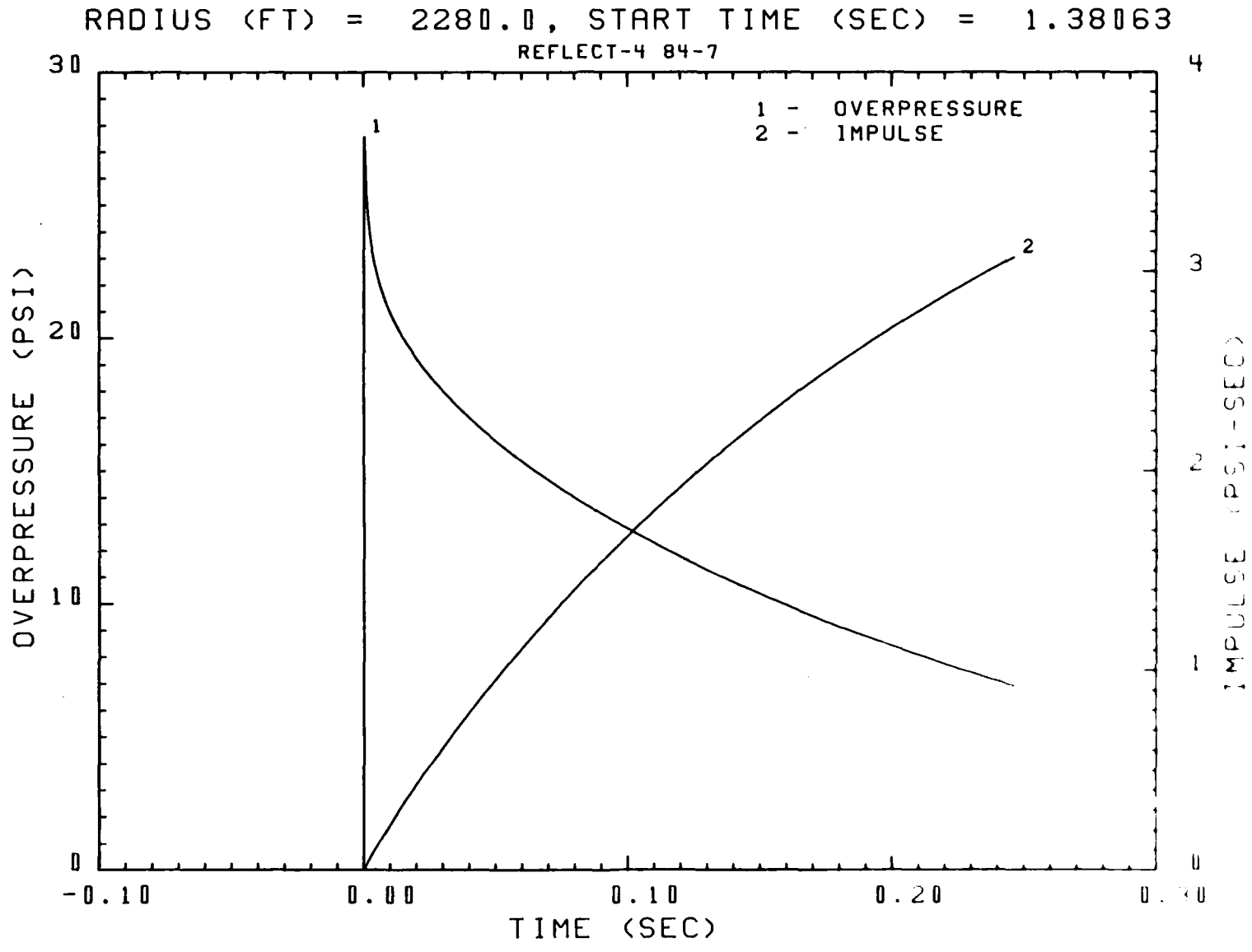

RADIUS (FT) = 2193.0, START TIME (SEC) = 1.33400
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

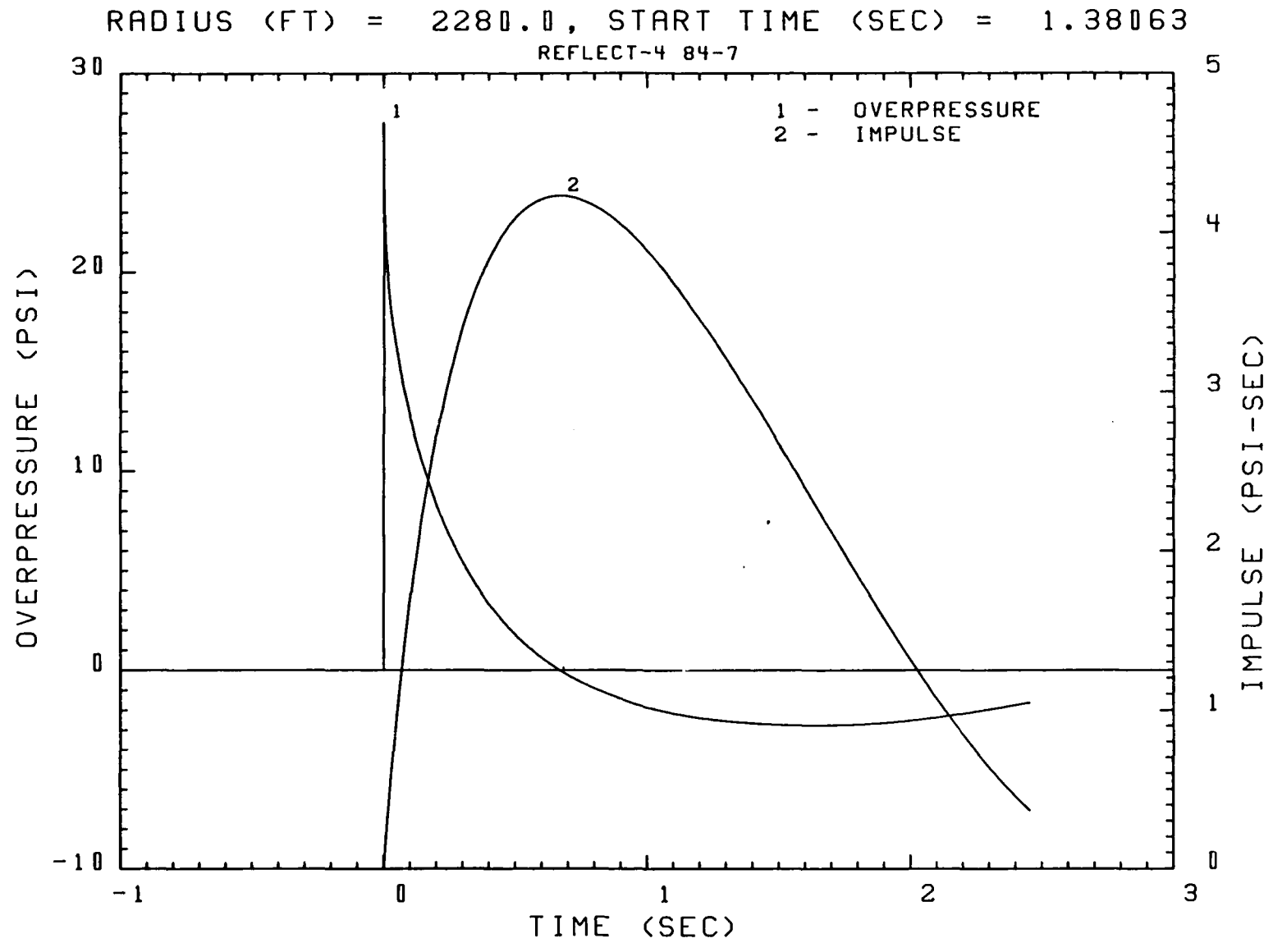

RADIUS (FT) = 2216.0, START TIME (SEC) = 1.34624
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

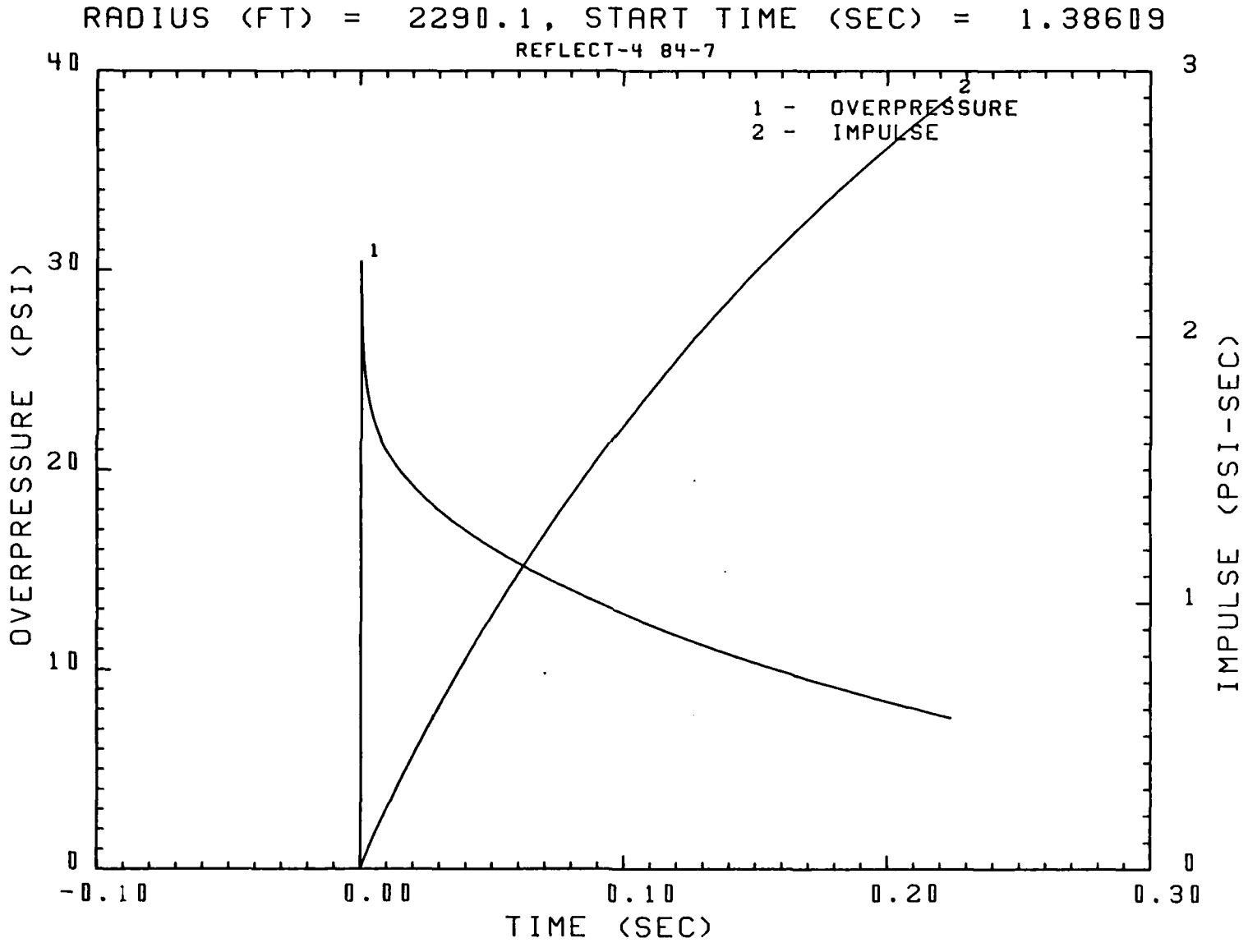

RADIUS (FT) = 2216.0, START TIME (SEC) = 1.34624
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

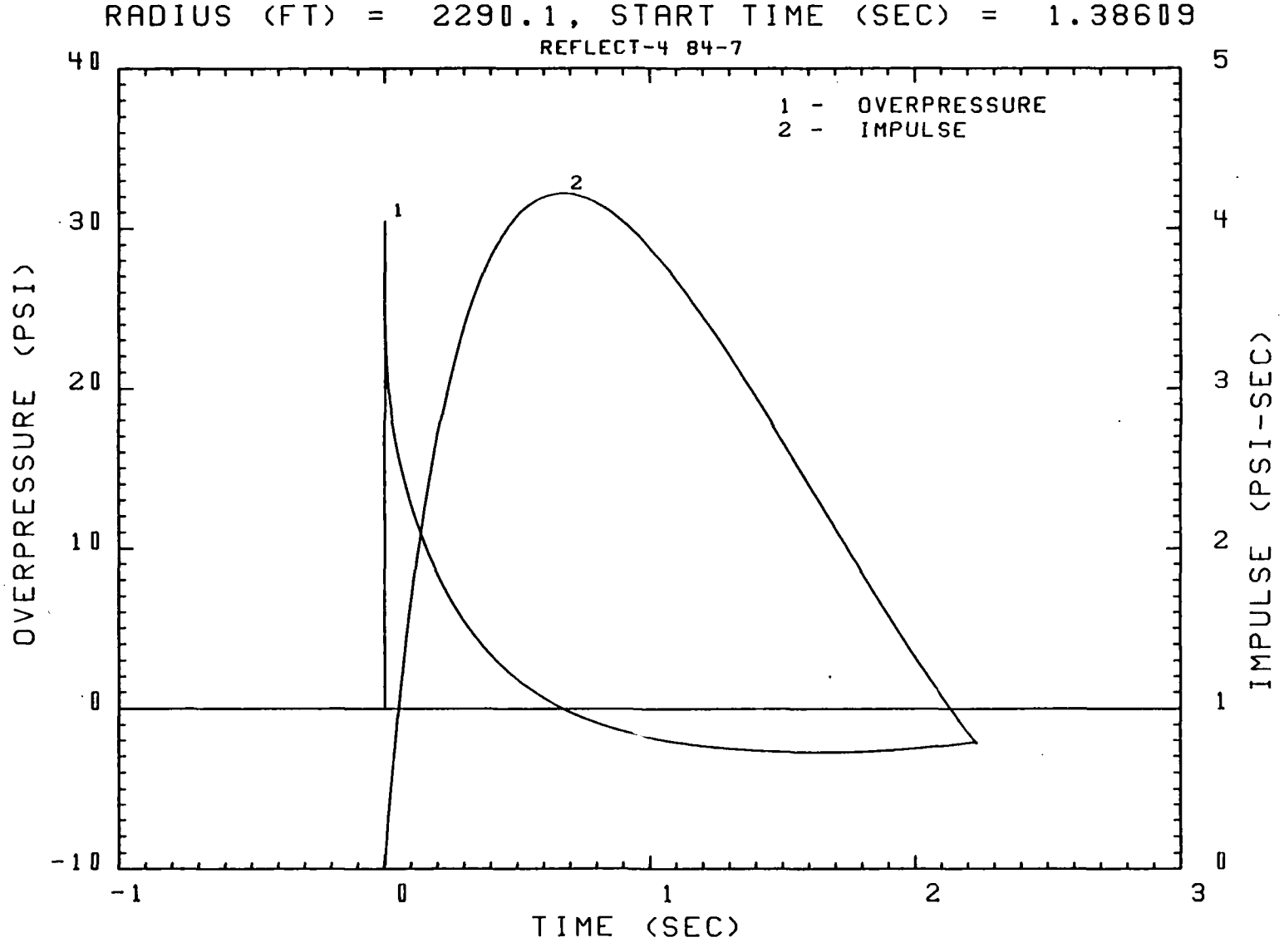

RADIUS (FT) = 2241.4, START TIME (SEC) = 1.35978
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

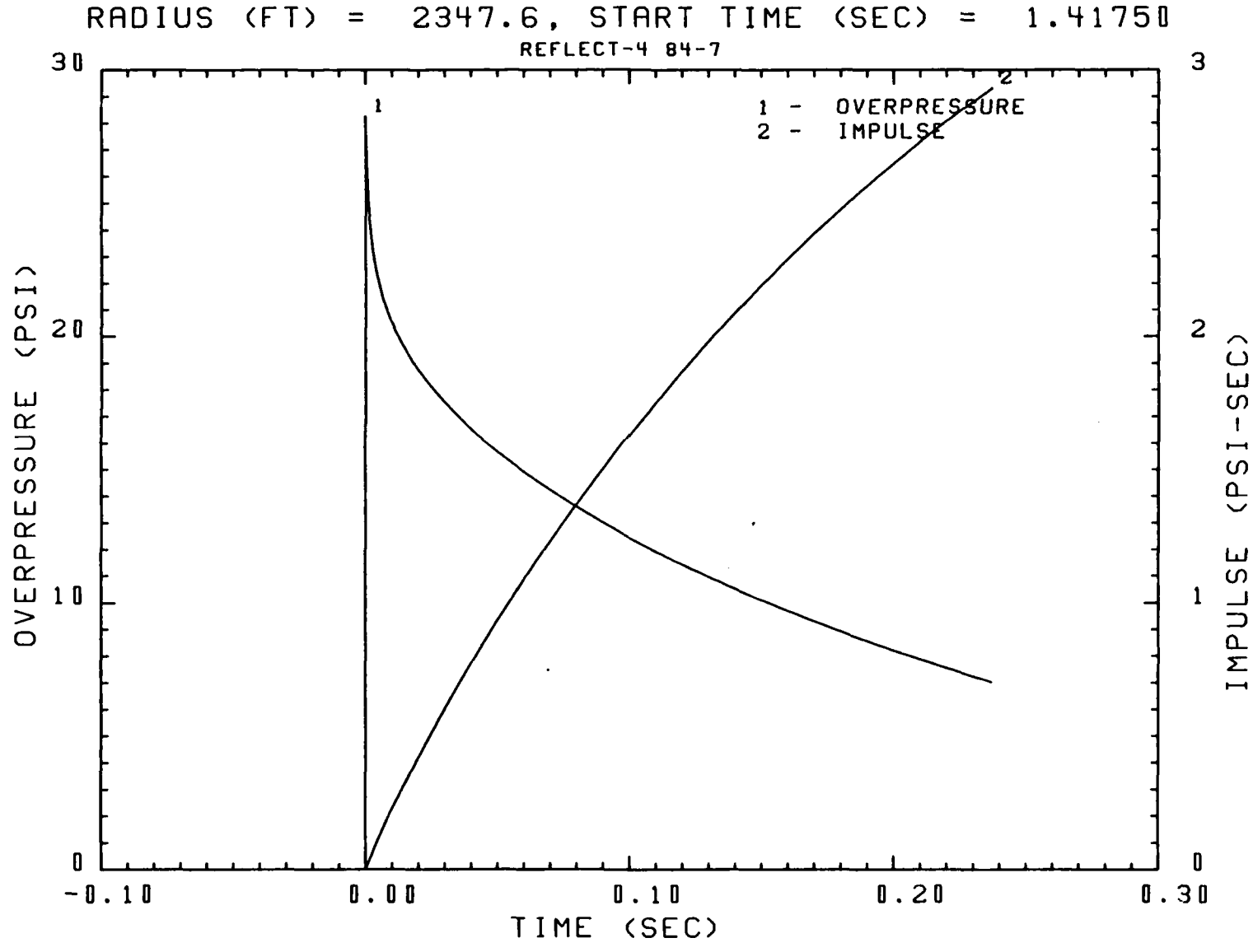

RADIUS (FT) = 2241.4, START TIME (SEC) = 1.35978
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

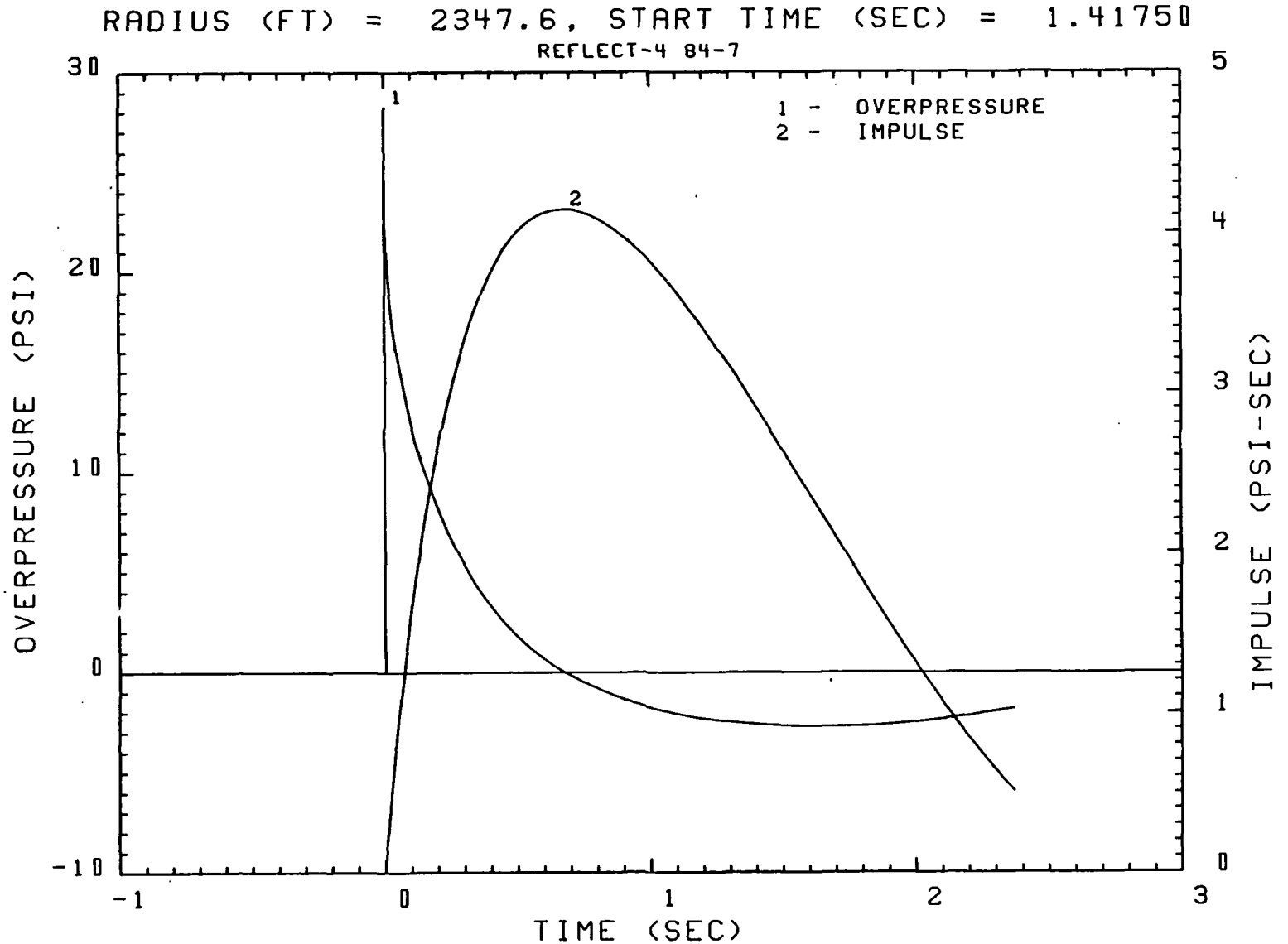

RADIUS (FT) = 2280.0, START TIME (SEC) = 1.38063
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
4
3
2
1
0
-0.10
0.00
0.10
0.20
1
2

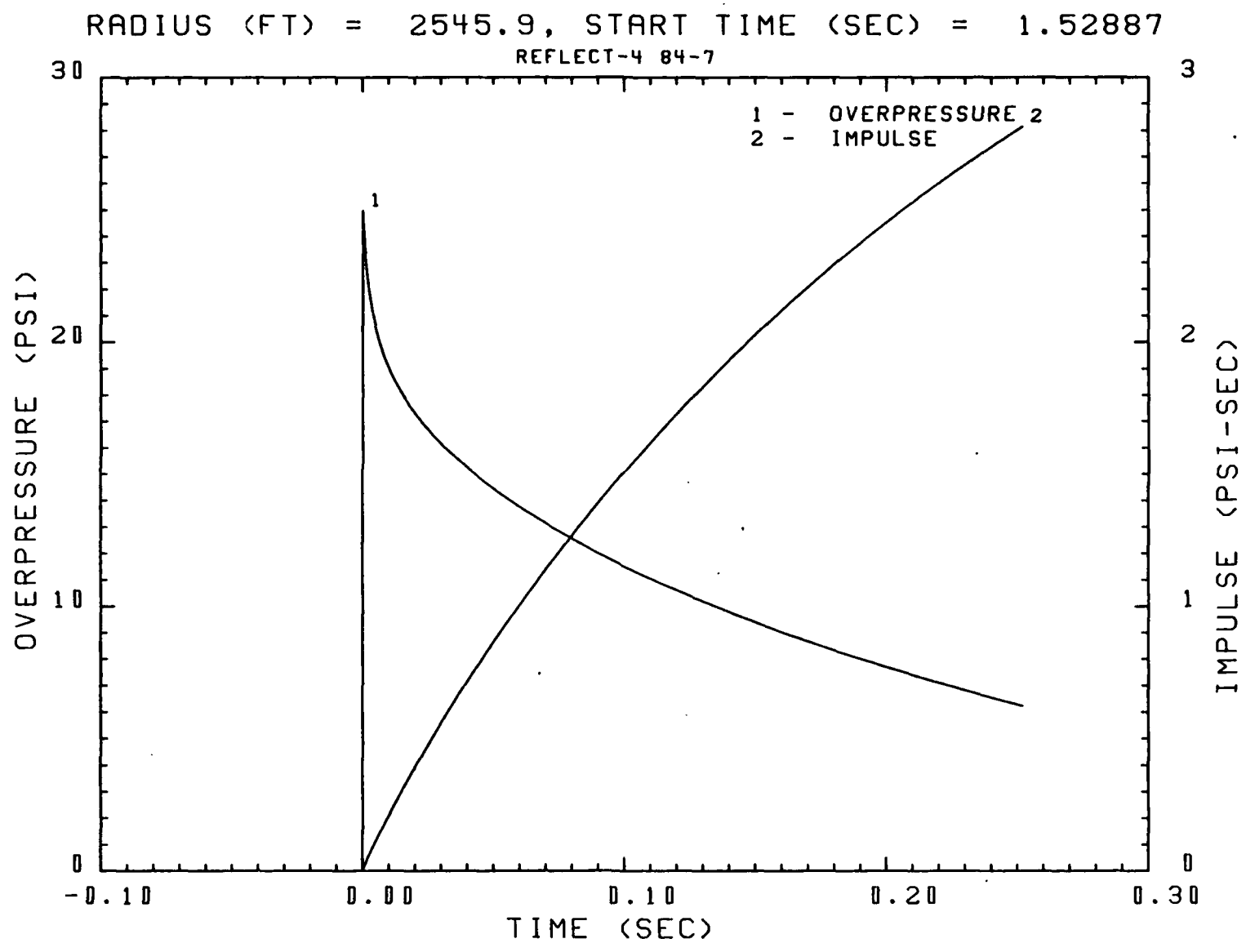

RADIUS (FT) = 2280.0, START TIME (SEC) = 1.38063
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

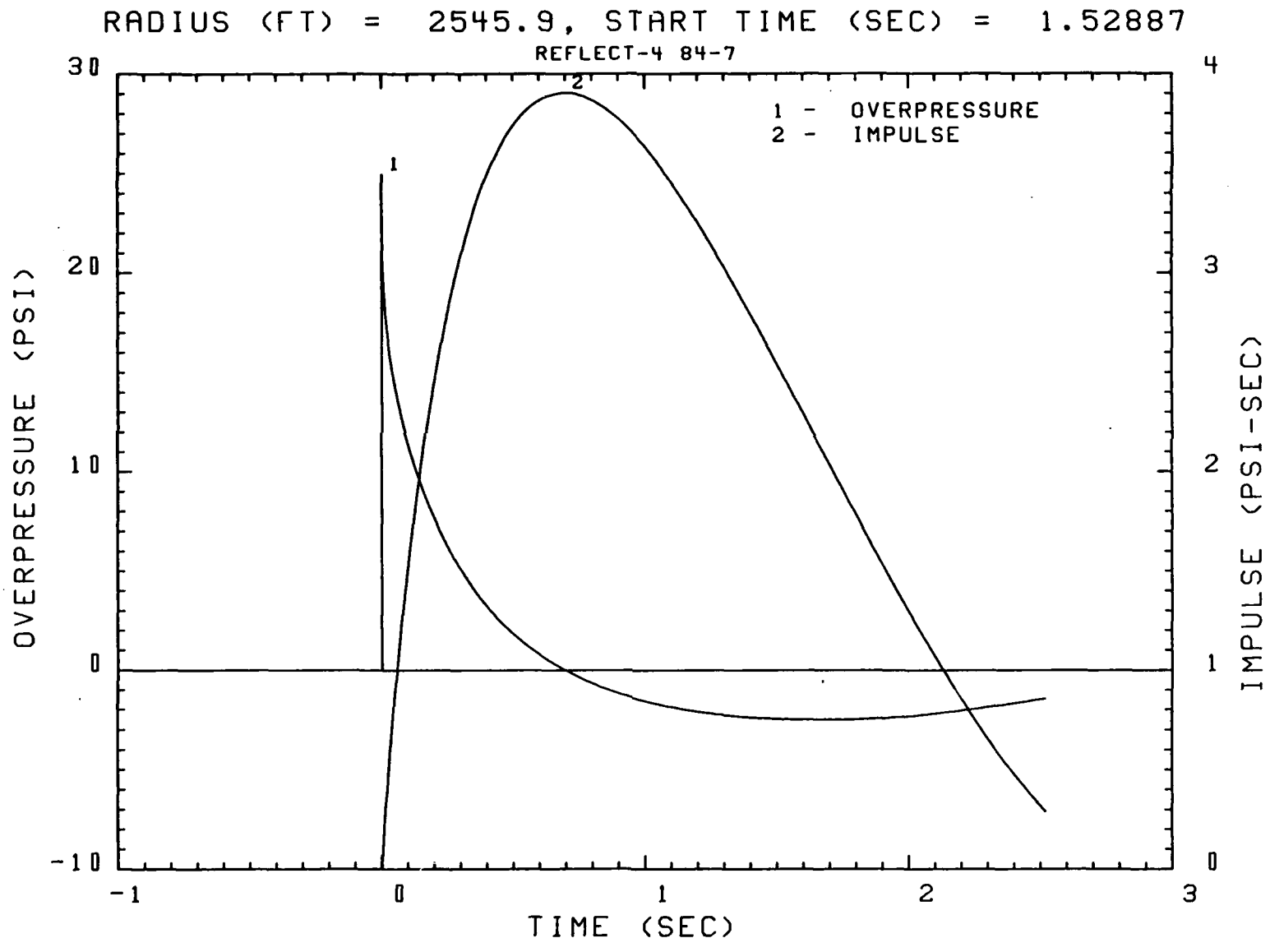

RADIUS (FT) = 2290.1, START TIME (SEC) = 1.38609
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

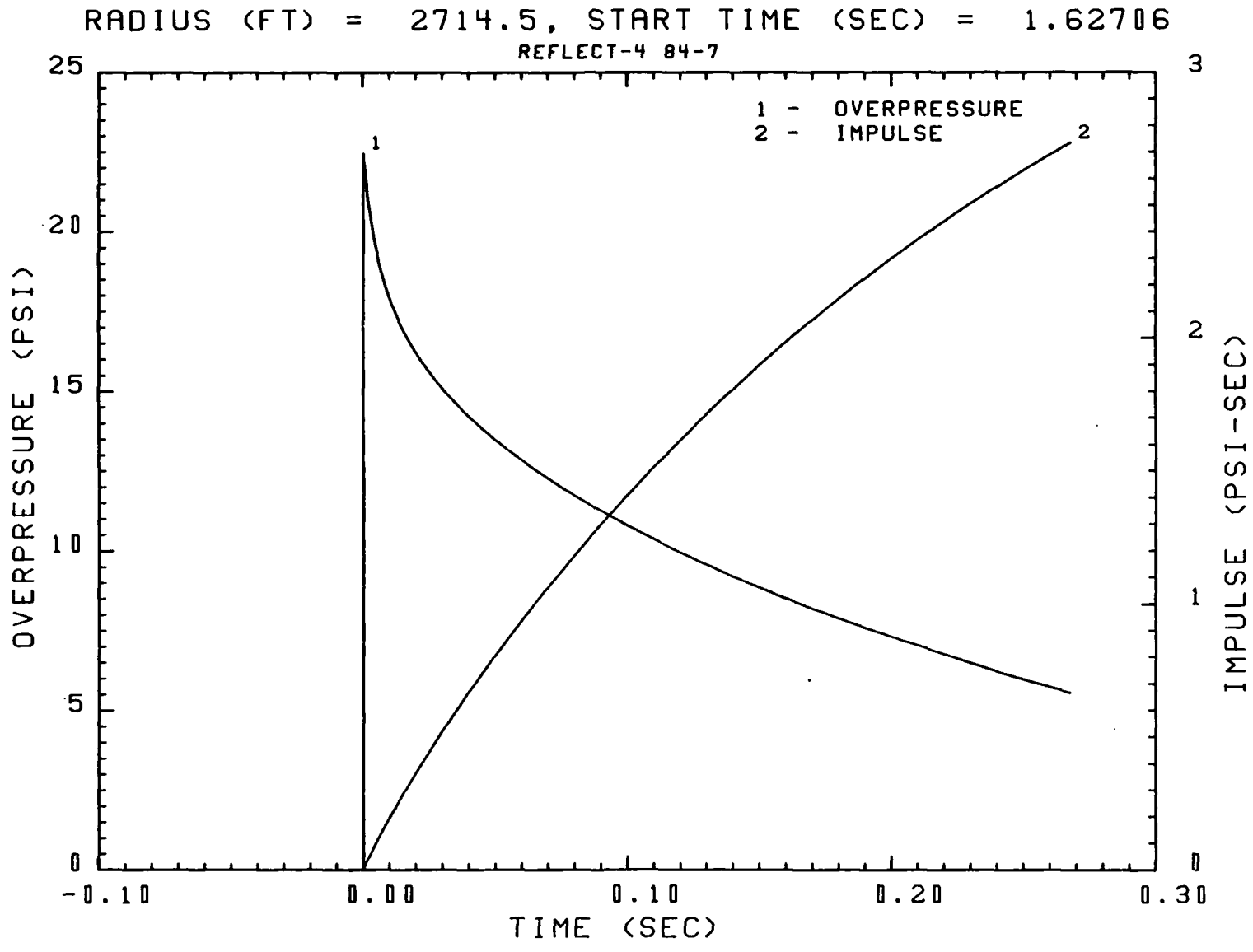

RADIUS (FT) = 2290.1, START TIME (SEC) = 1.38609
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
40
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

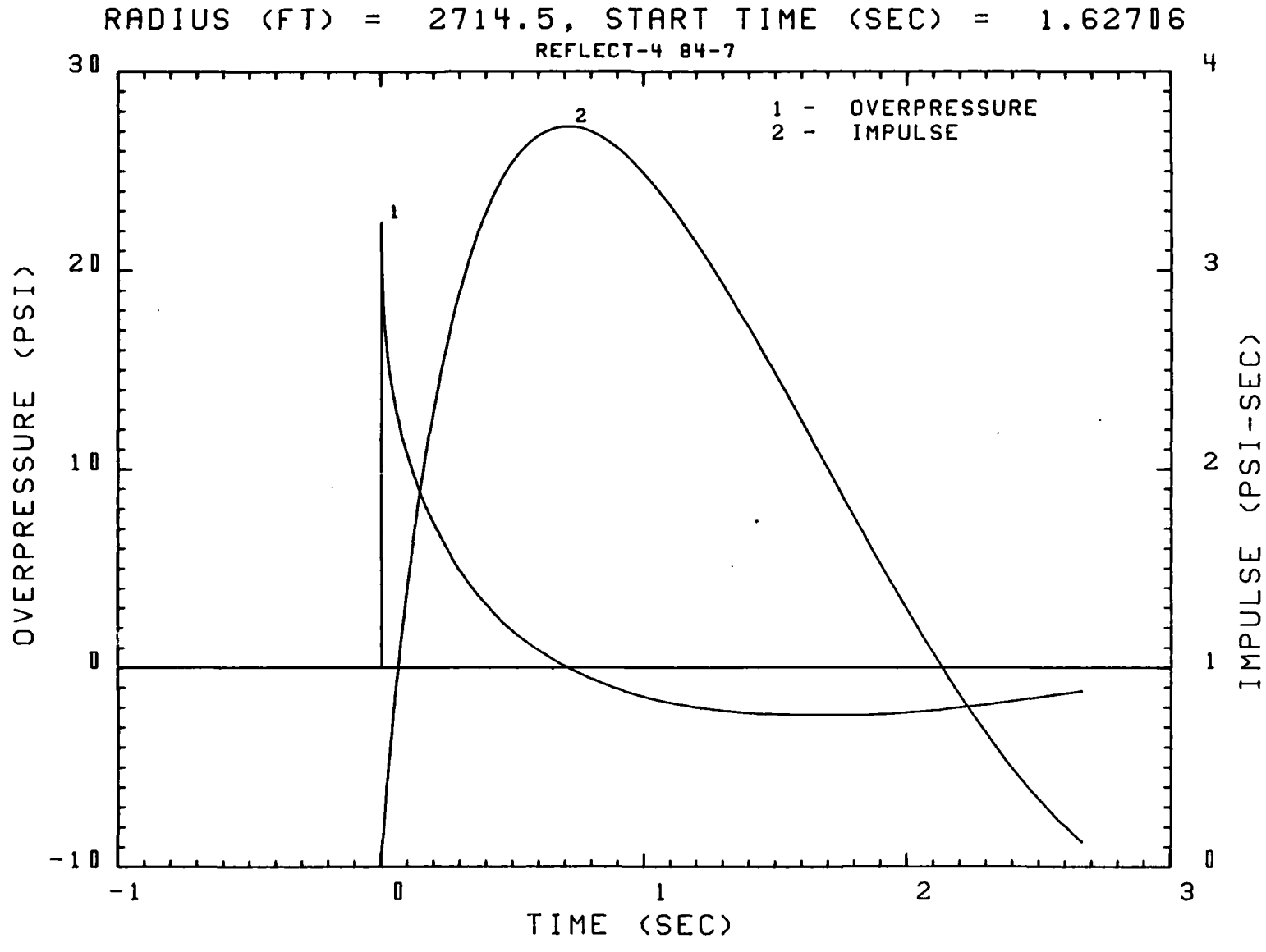

RADIUS (FT) = 2347.6, START TIME (SEC) = 1.41750
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

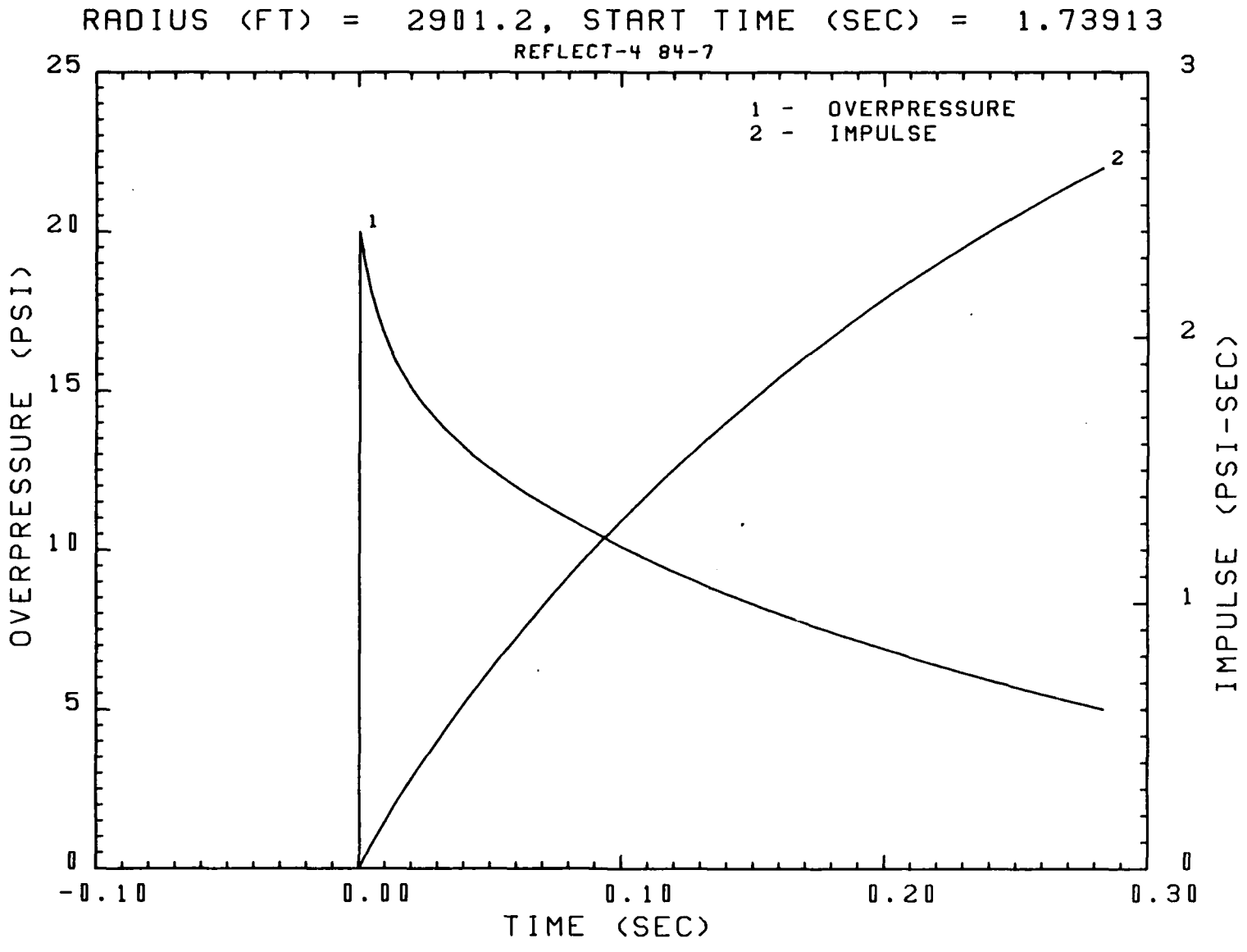

RADIUS (FT) = 2347.6, START TIME (SEC) = 1.41750
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
5
4
3
2
1
0
-1
0
1
2
3

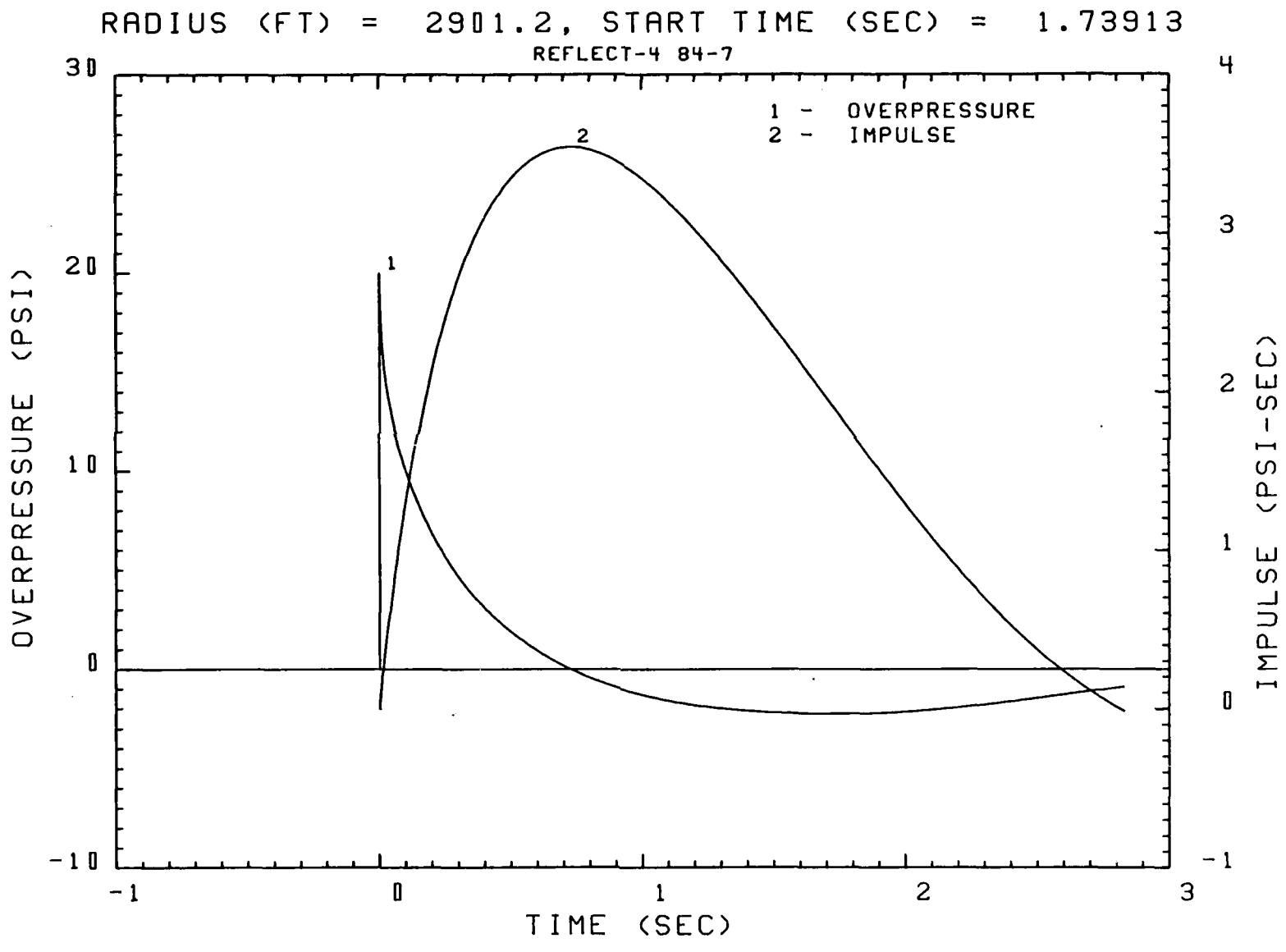

RADIUS (FT) = 2545.9, START TIME (SEC) = 1.52887
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30

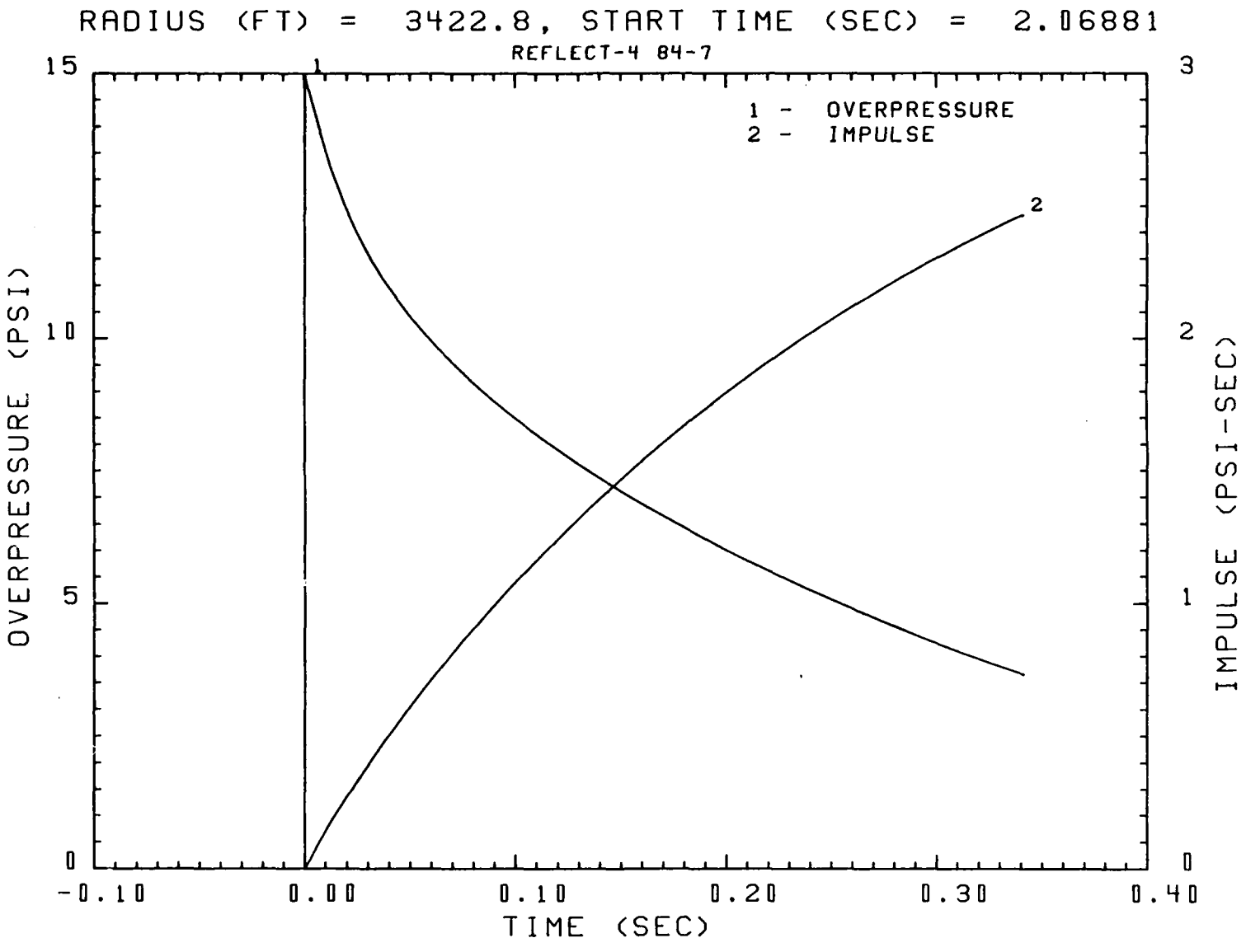

RADIUS (FT) = 2545.9, START TIME (SEC) = 1.52887
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
4
3
2
1
0
-1
0
1
2
3


RADIUS (FT) = 2714.5, START TIME (SEC) = 1.62706
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
25
20
15
10
5
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30


RADIUS (FT) = 2714.5, START TIME (SEC) = 1.62706
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
4
3
2
1
0
-1
0
1
2
3

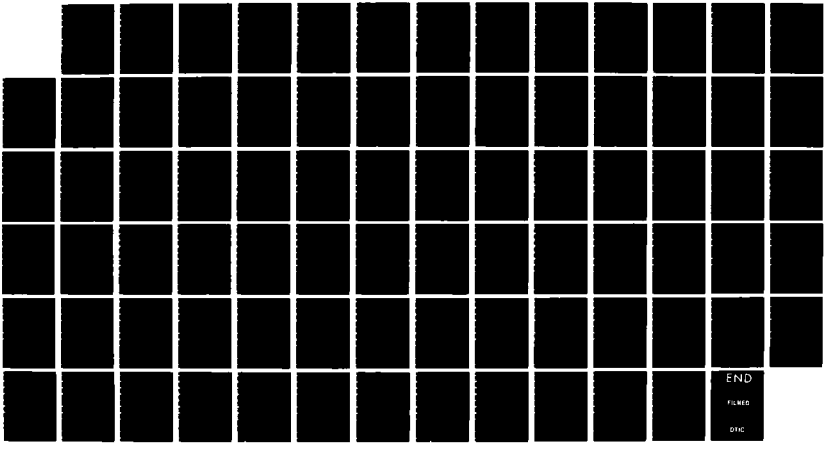

RADIUS (FT) = 2901.2, START TIME (SEC) = 1.73913
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
25
20
15
10
5
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
1
2

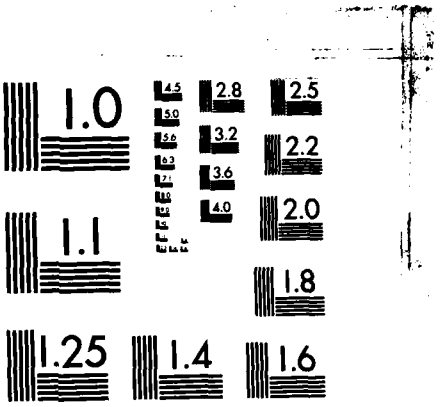

RADIUS (FT) = 2901.2, START TIME (SEC) = 1.73913
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
30
20
10
0
-10
4
3
2
1
0
-1
-1
0
1
2
3


RADIUS (FT) = 3422.8, START TIME (SEC) = 2.06881
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
1
2

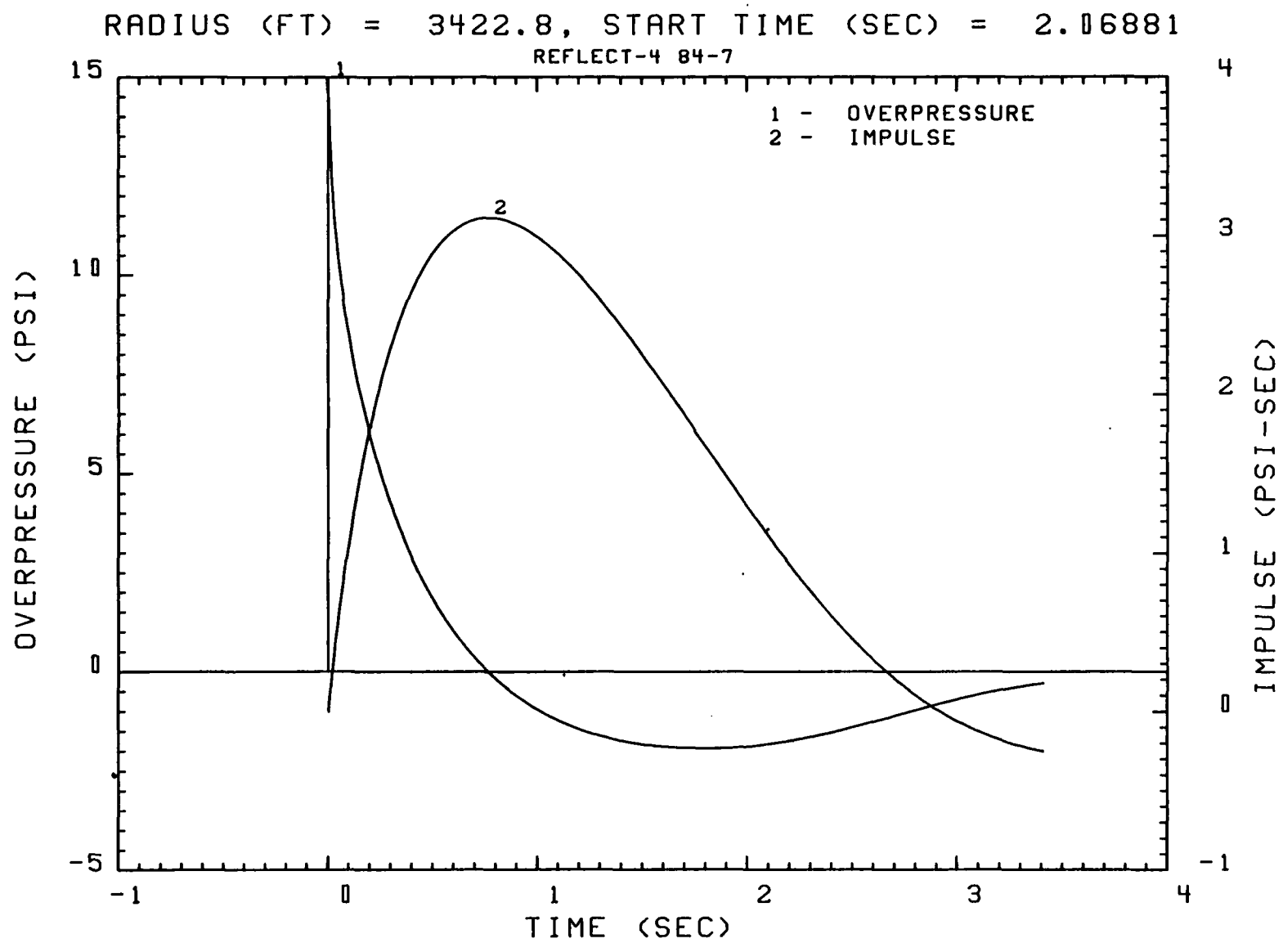
AD-A160 567 REFLECT-4 CODE COMPUTATIONS OF 40 KT NUCLEAR BLAST WAVES REFLECTED FROM T... (U) KAMAN AVIDYNE BURLINGTON MA R F SMILEY ET AL 14 SEP 84 KA-TR-222-VOL-2 6/6

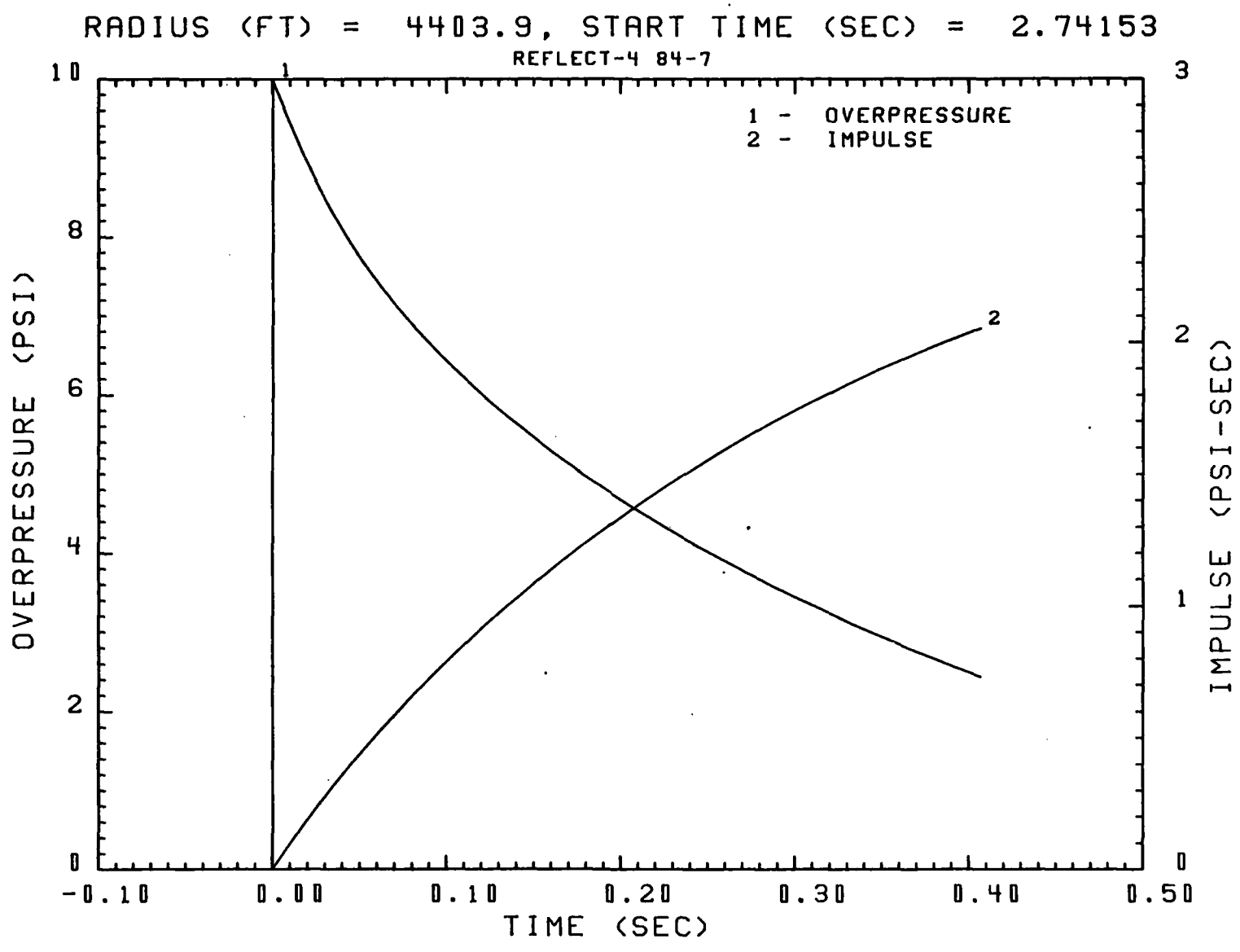
UNCLASSIFIED DNA-TR-84-348-V2 DNA001-83-C-0351 F/G 18/3 NL

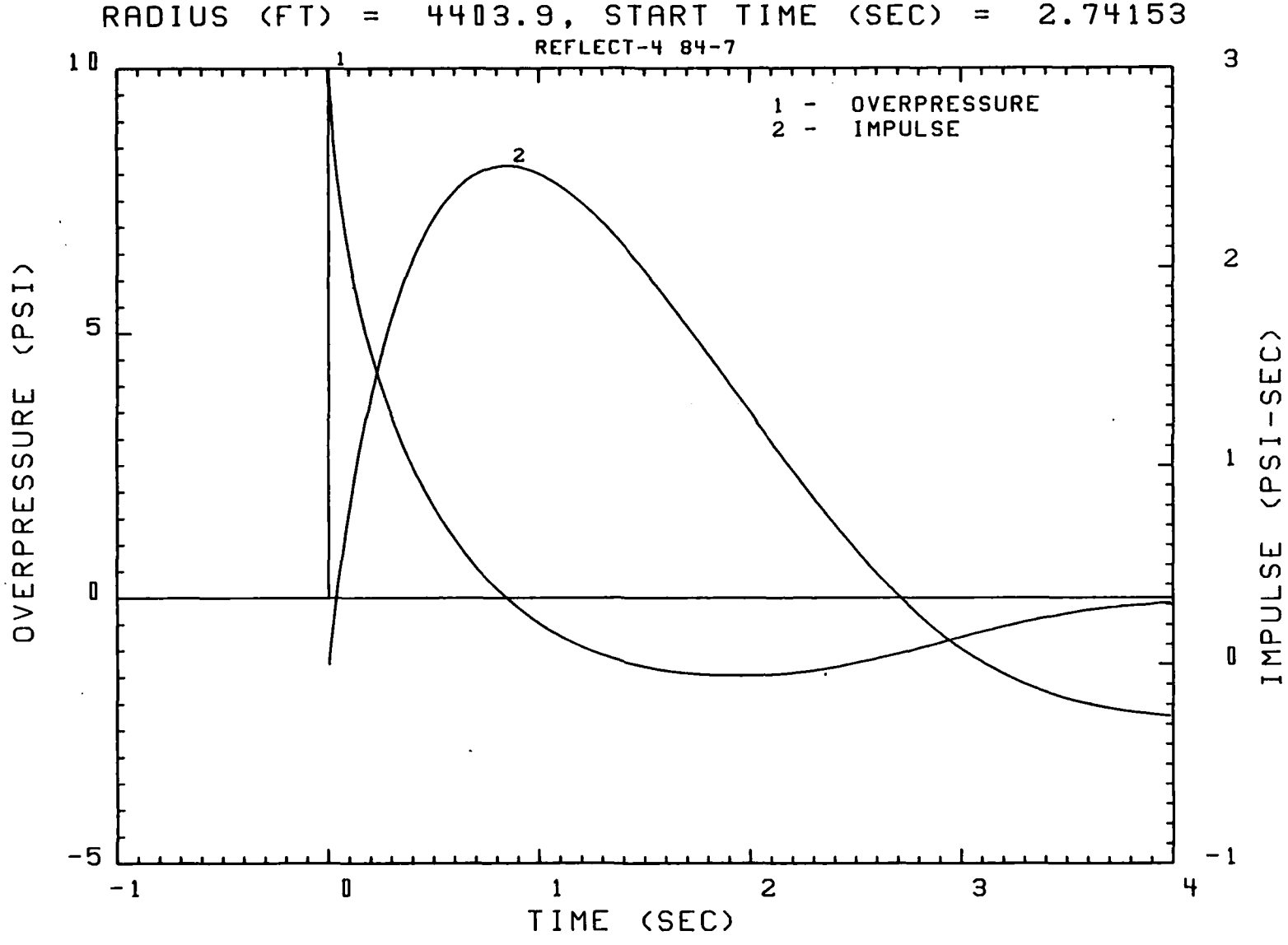


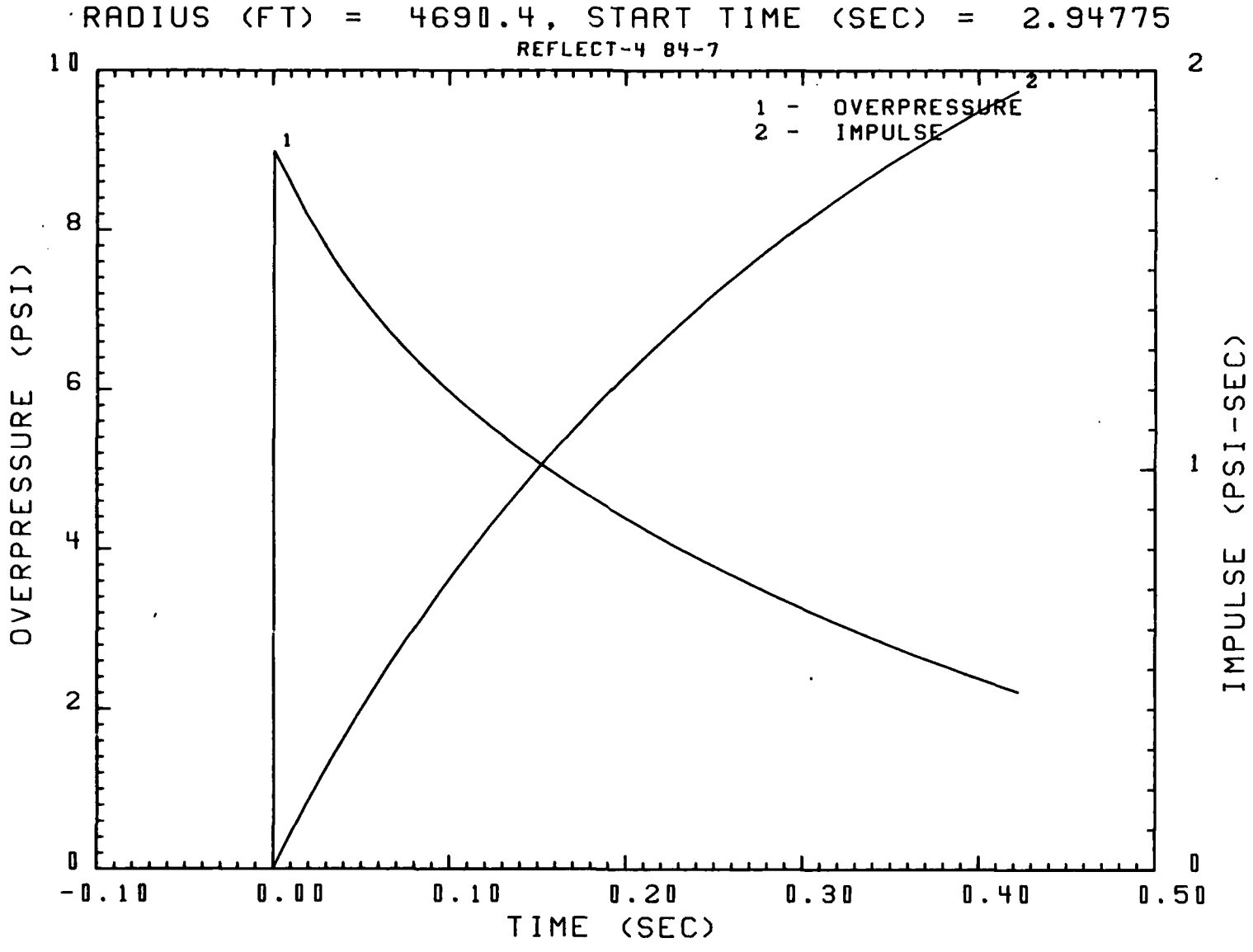


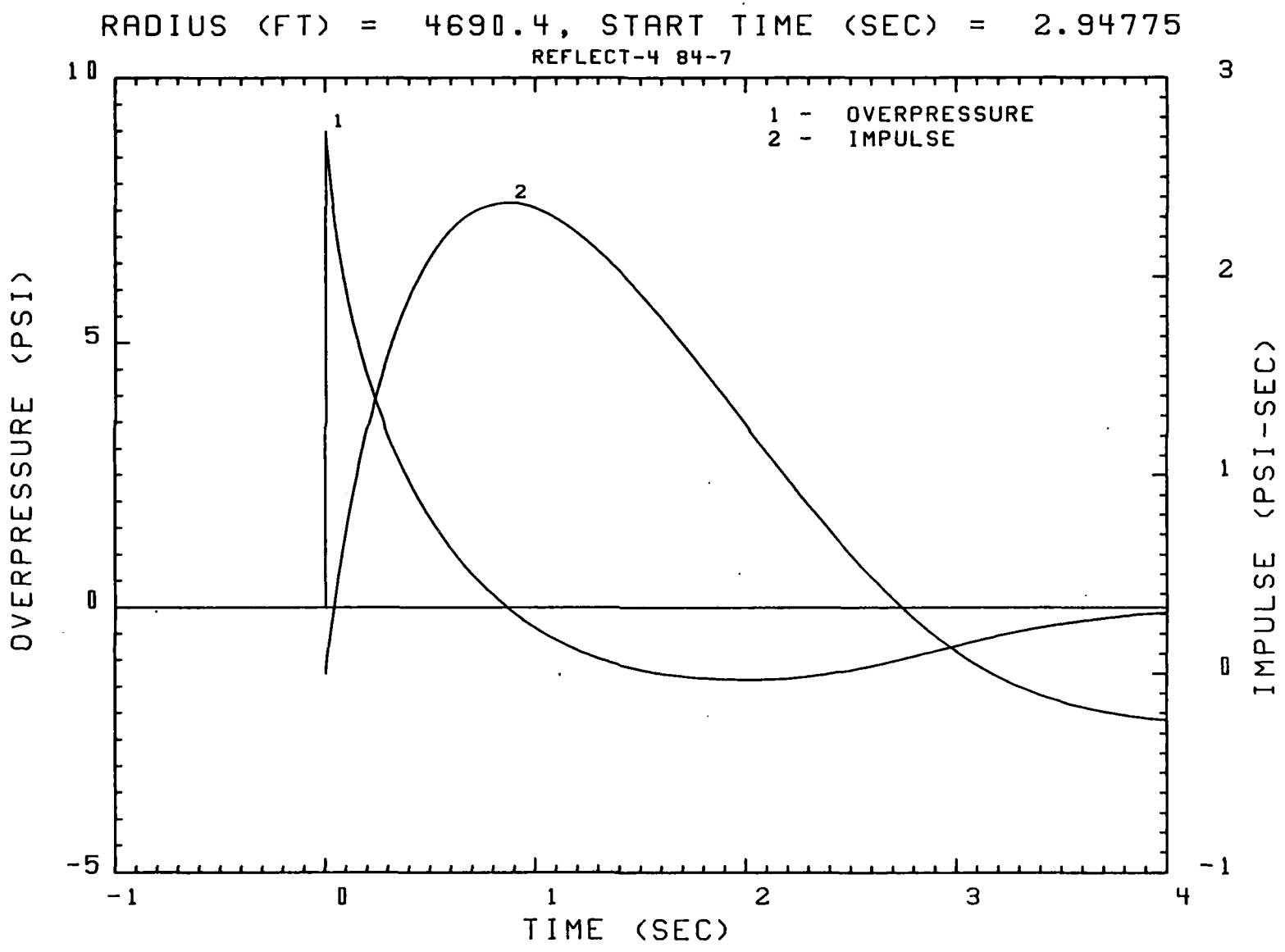
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

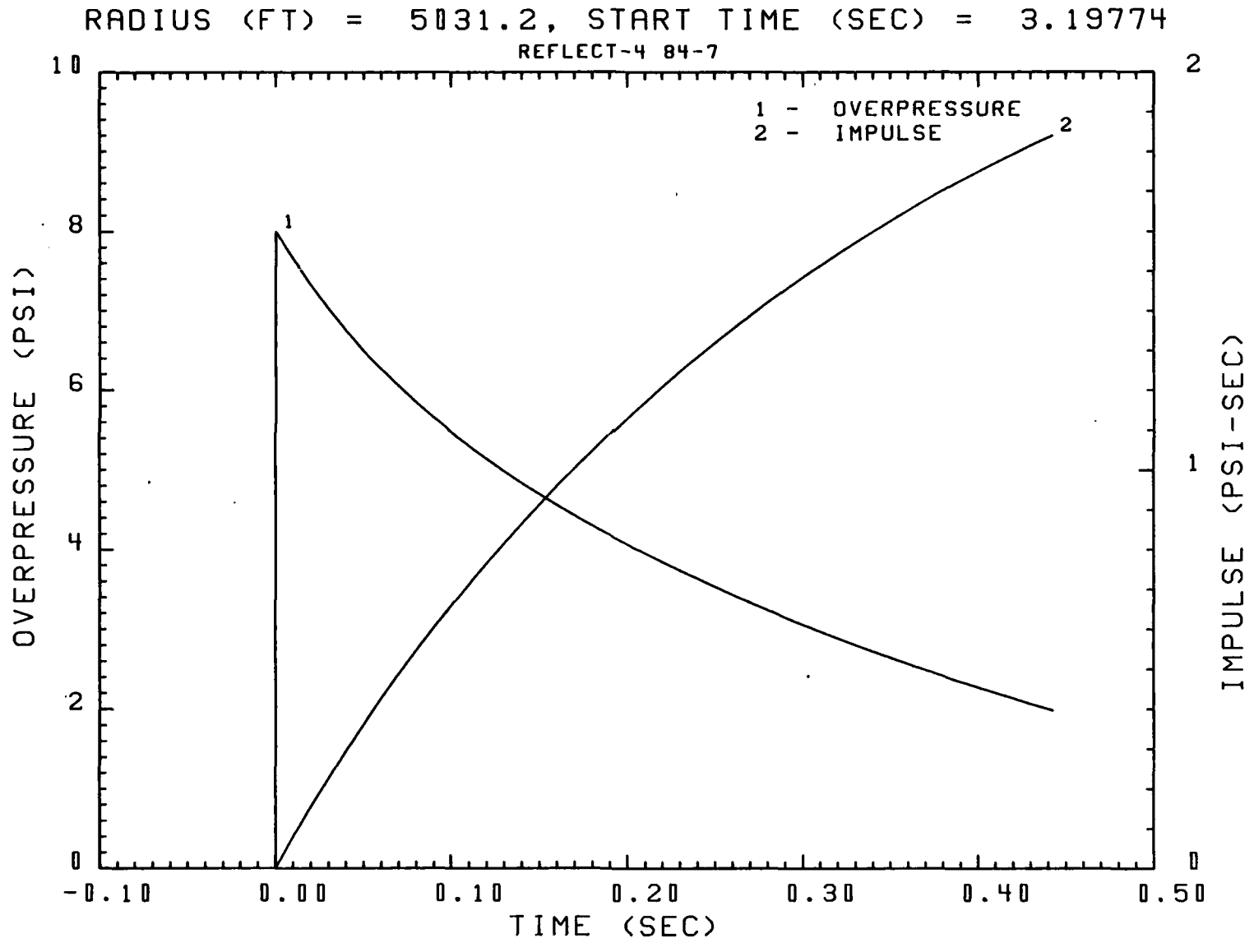

RADIUS (FT) = 3422.8, START TIME (SEC) = 2.06881
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
4
3
2
1
0
-1
-1
0
1
2
3
4

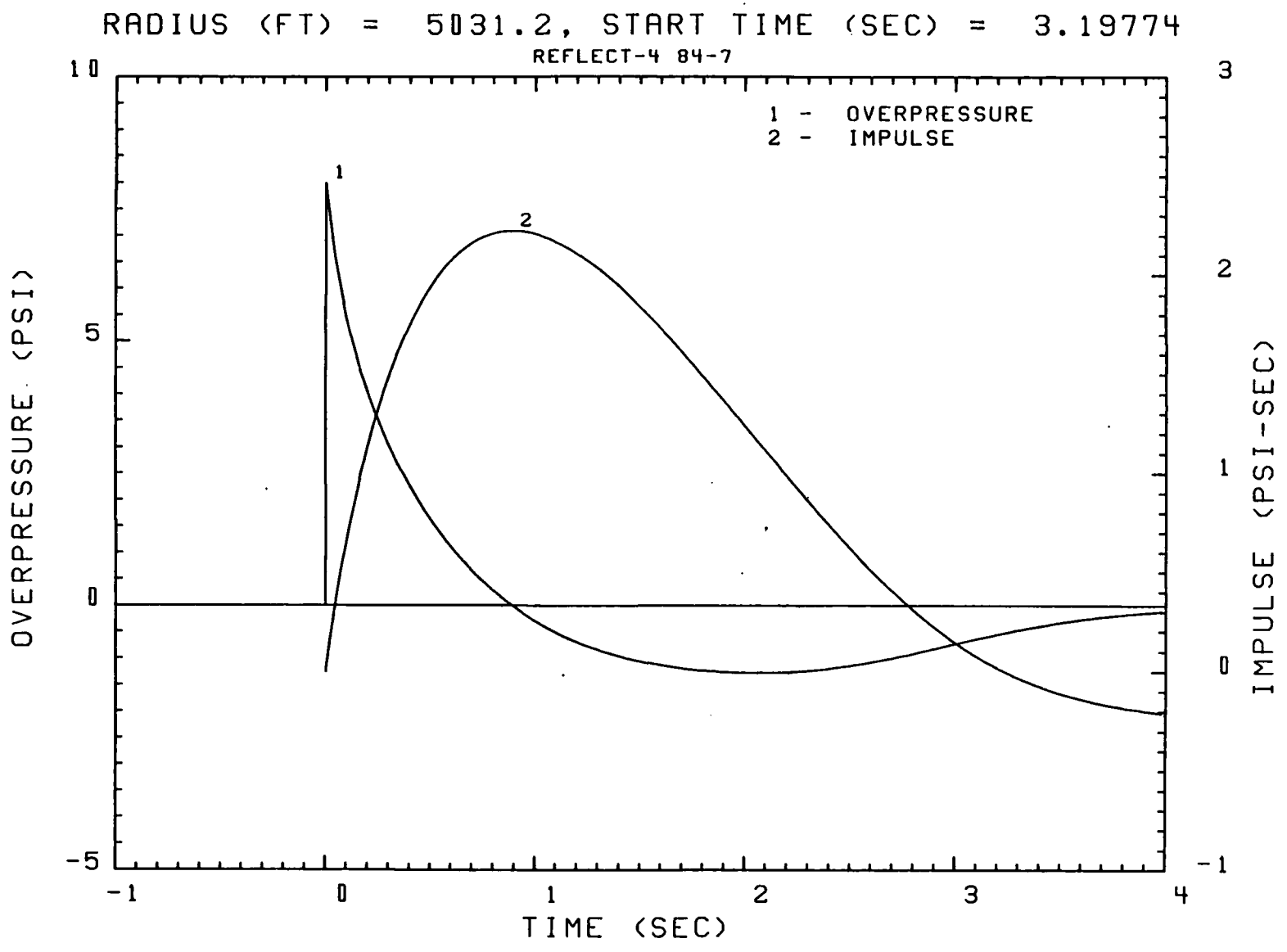

RADIUS (FT) = 4403.9, START TIME (SEC) = 2.74153
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
3
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

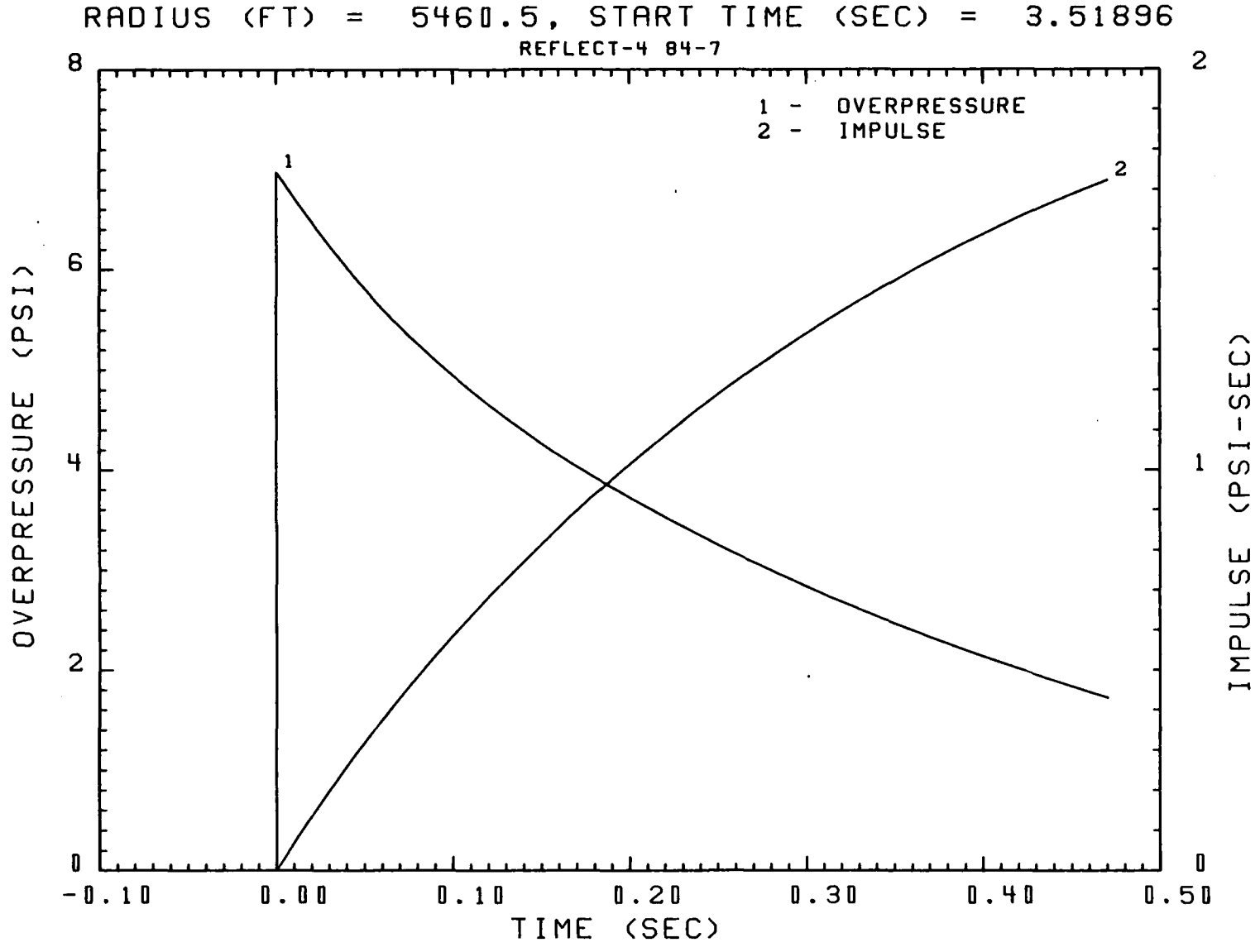

RADIUS (FT) = 4403.9, START TIME (SEC) = 2.74153
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
3
2
1
0
-1
-1
0
1
2
3
4

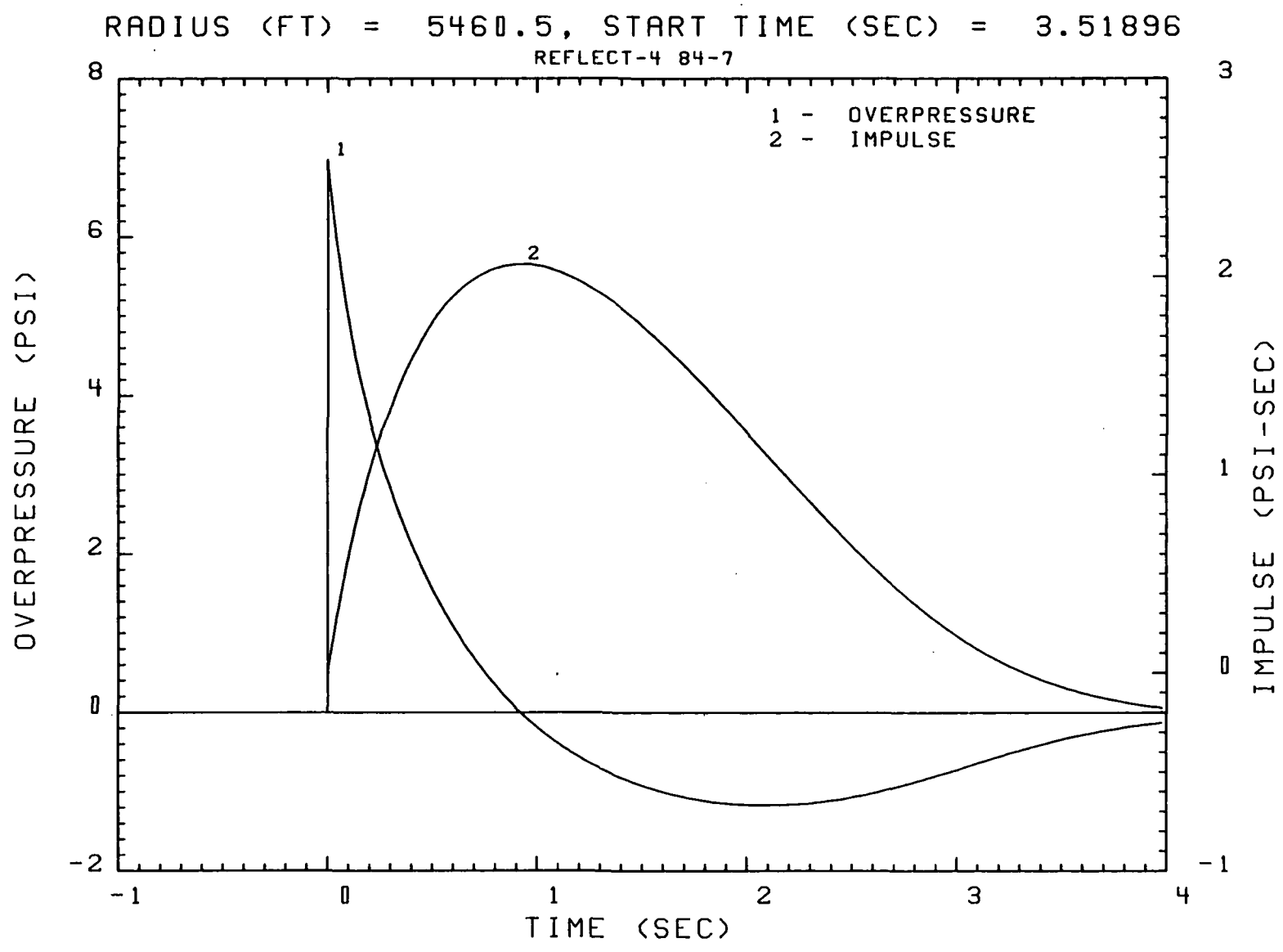

RADIUS (FT) = 4690.4, START TIME (SEC) = 2.94775
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

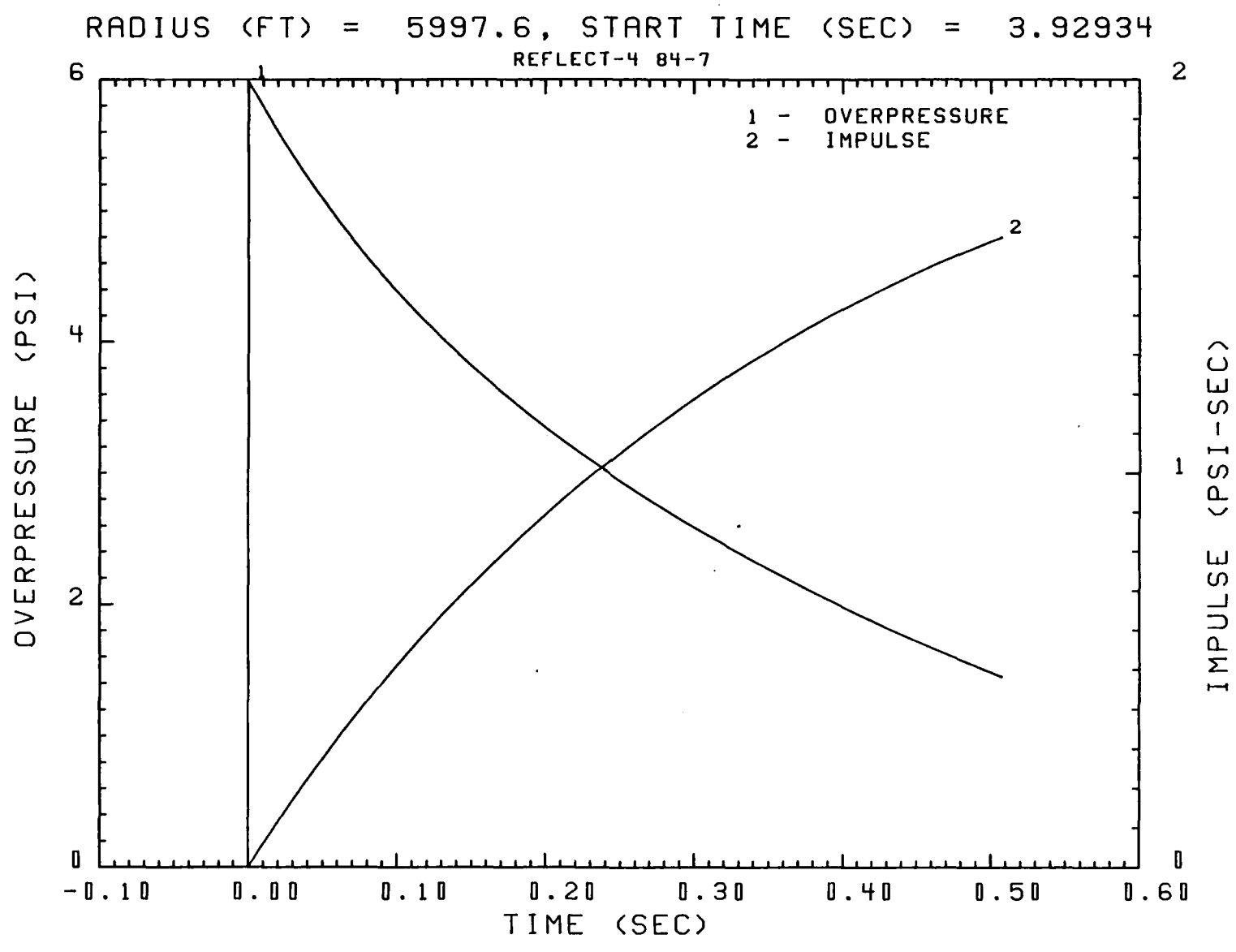

RADIUS (FT) = 4690.4, START TIME (SEC) = 2.94775
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
3
2
1
0
-1
-1
0
1
2
3
4

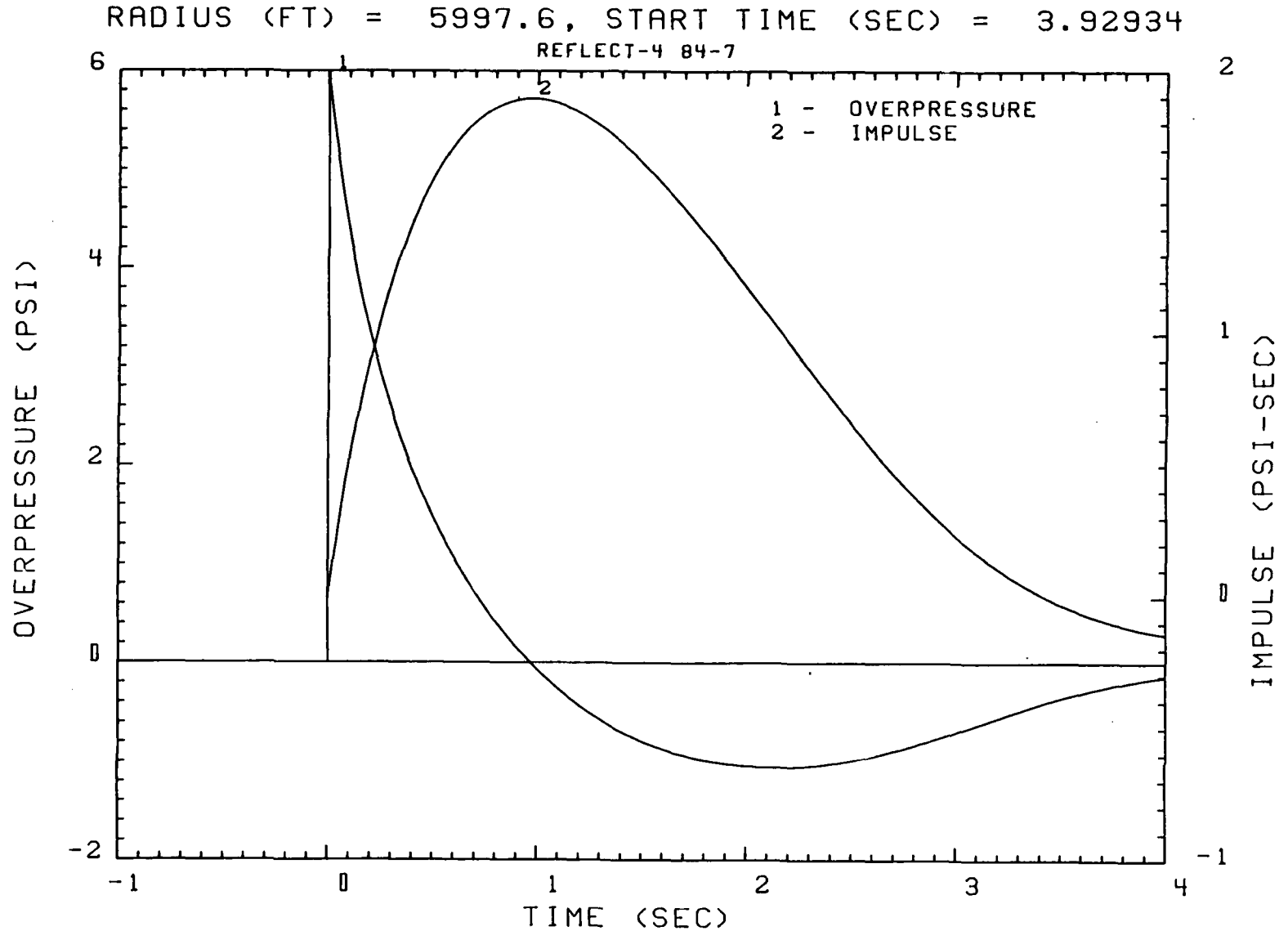

RADIUS (FT) = 5031.2, START TIME (SEC) = 3.19774
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
2
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

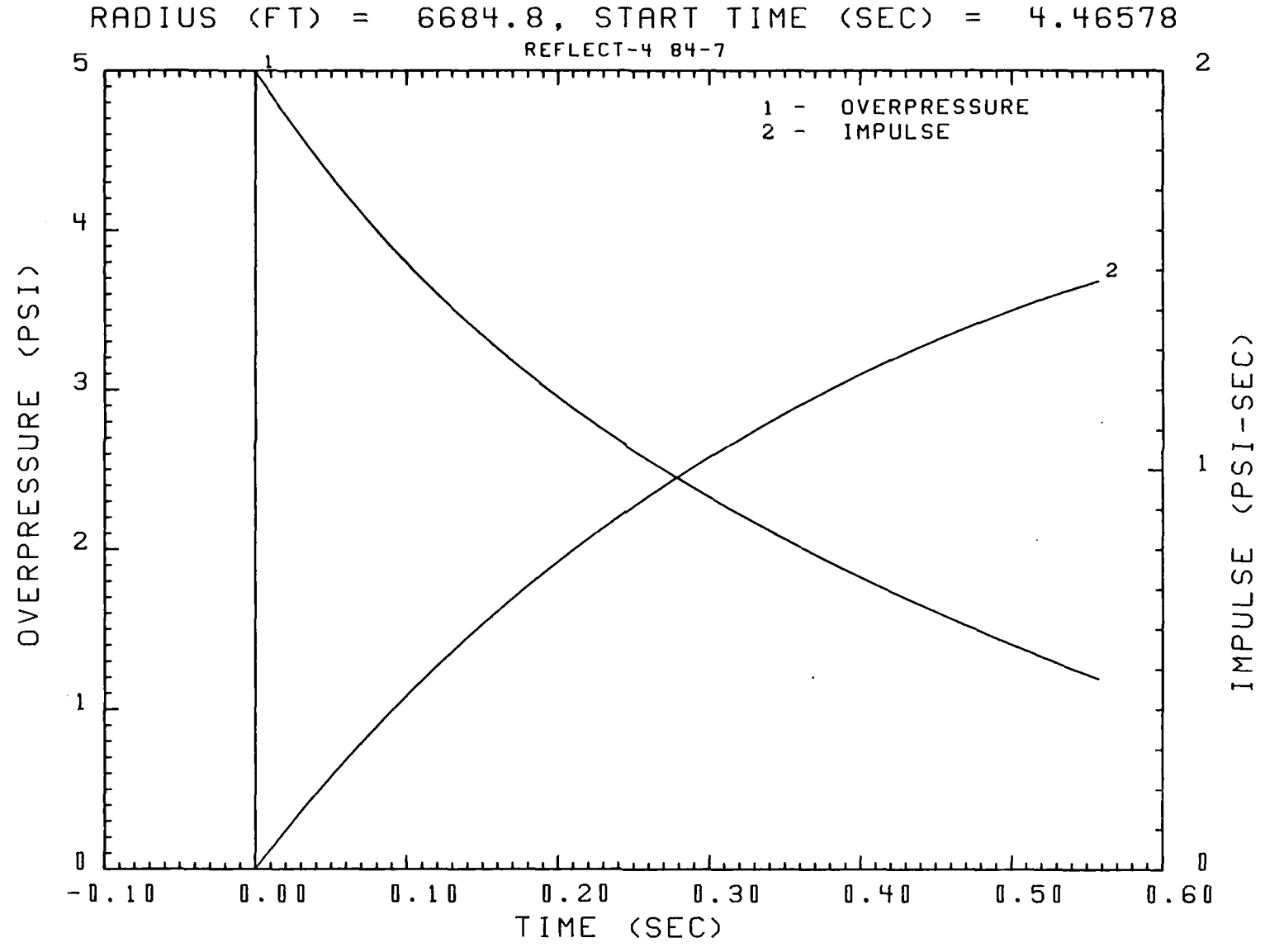

RADIUS (FT) = 5031.2, START TIME (SEC) = 3.19774
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
3
2
1
0
-1
-1
0
1
2
3
4
1
2

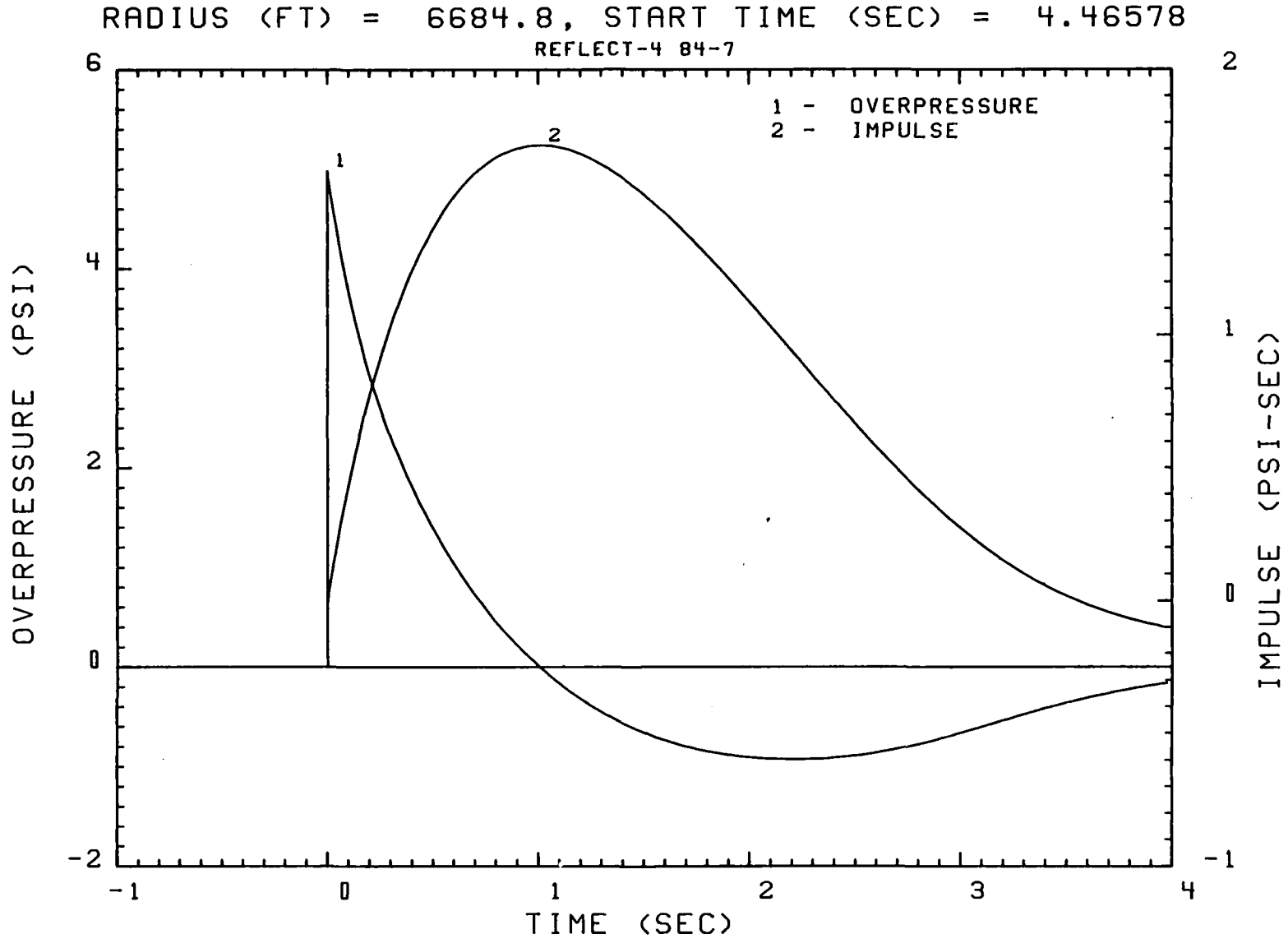

RADIUS (FT) = 5460.5, START TIME (SEC) = 3.51896
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
1
2
-0.10
0.00
0.10
0.20
0.30
0.40
0.50

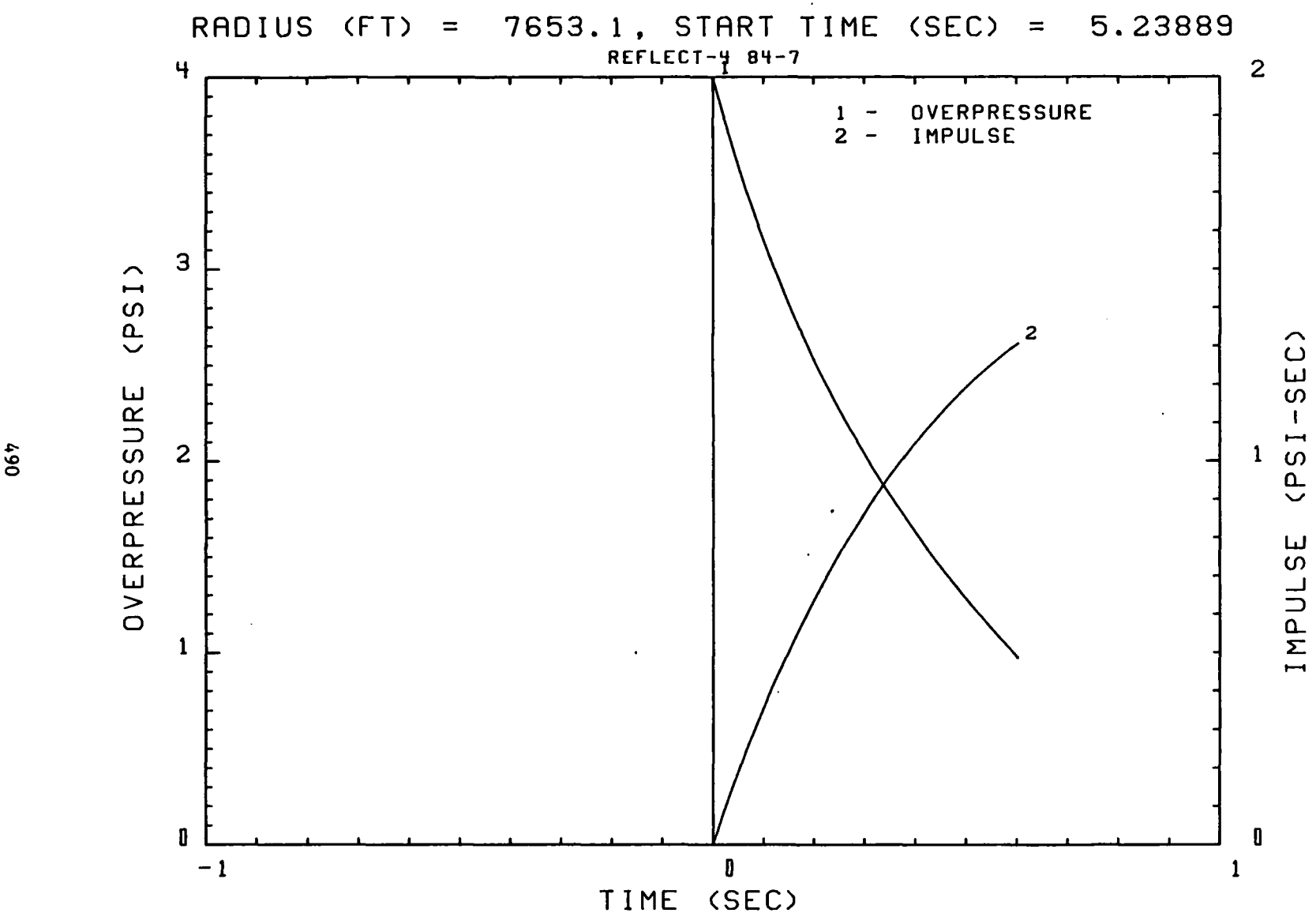

RADIUS (FT) = 5460.5, START TIME (SEC) = 3.51896
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
3
2
1
0
-1
-1
0
1
2
3
4

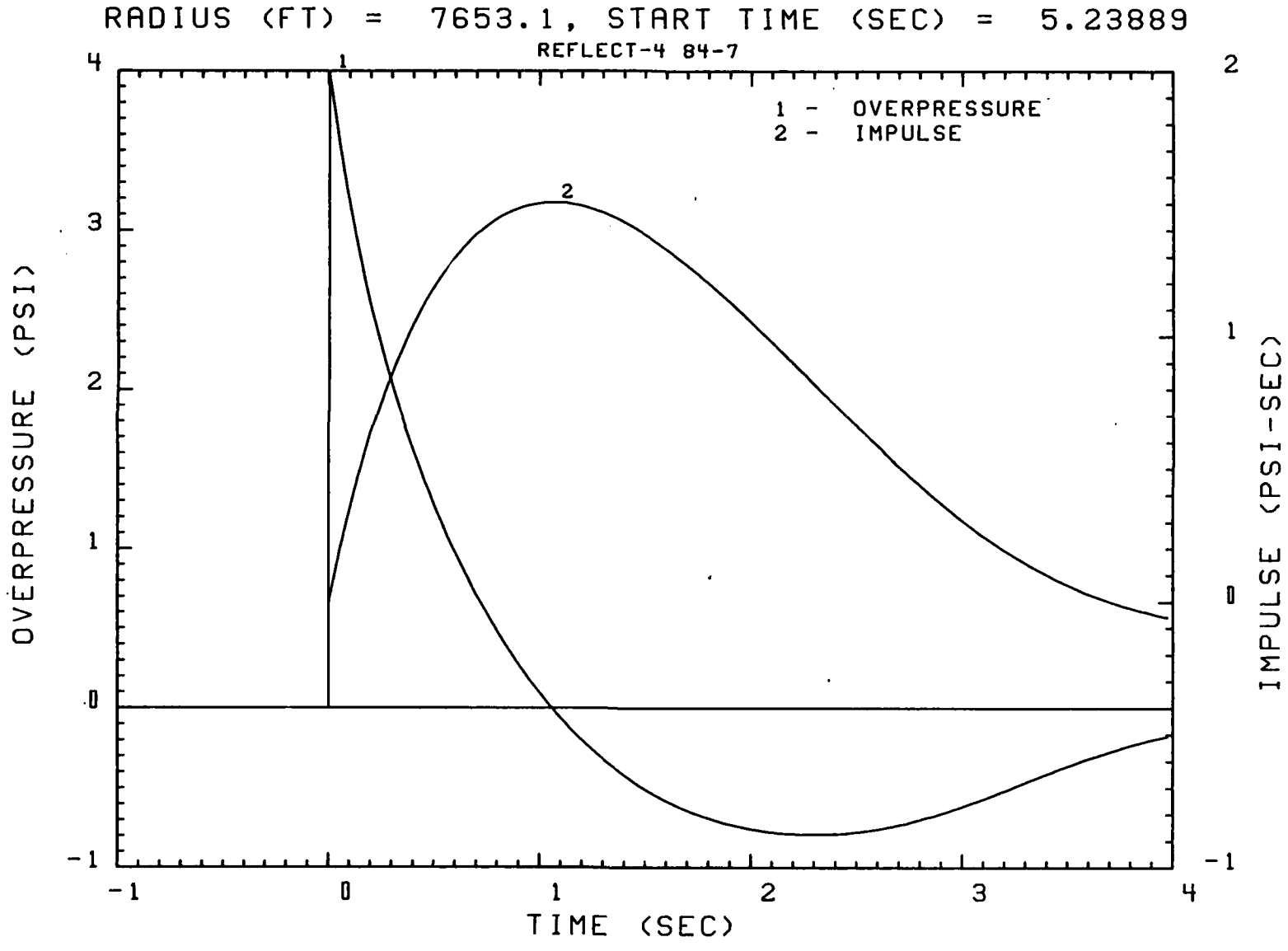

RADIUS (FT) = 5997.6, START TIME (SEC) = 3.92934
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
1
2
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

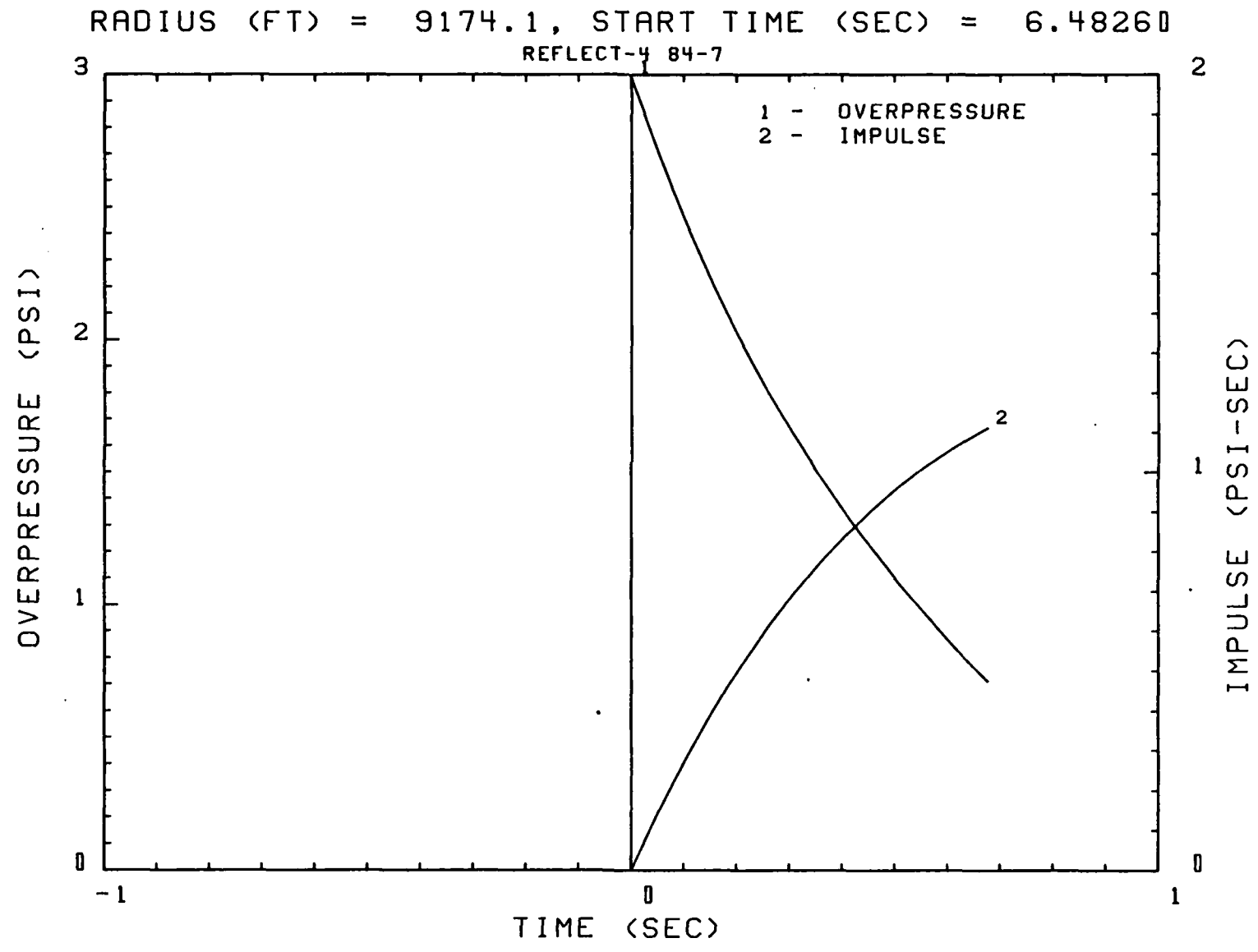

RADIUS (FT) = 5997.6, START TIME (SEC) = 3.92934
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
2
1
0
-1
-1
0
1
2
3
4

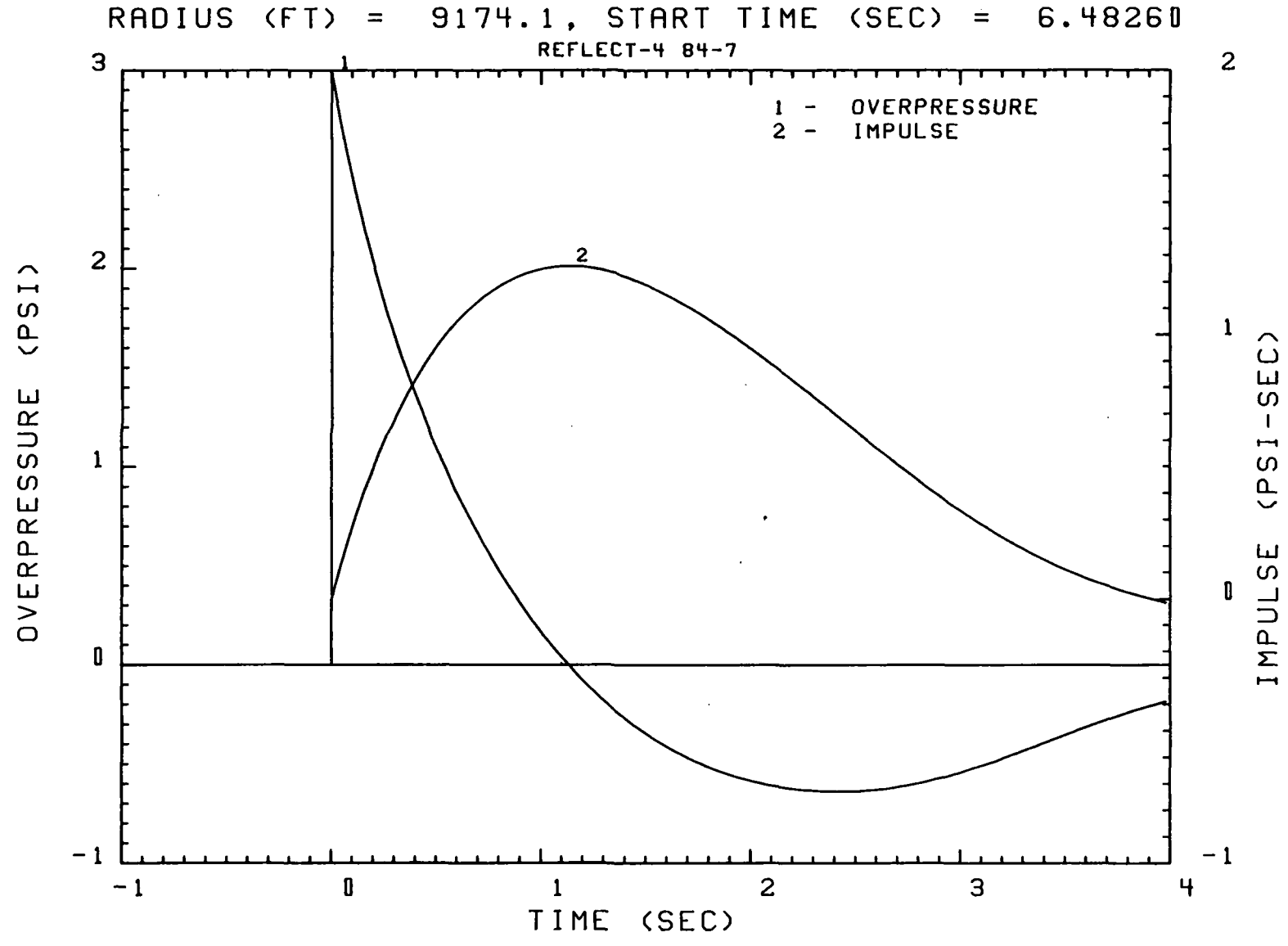

RADIUS (FT) = 6684.8, START TIME (SEC) = 4.46578
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
1
2
3
4
5
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

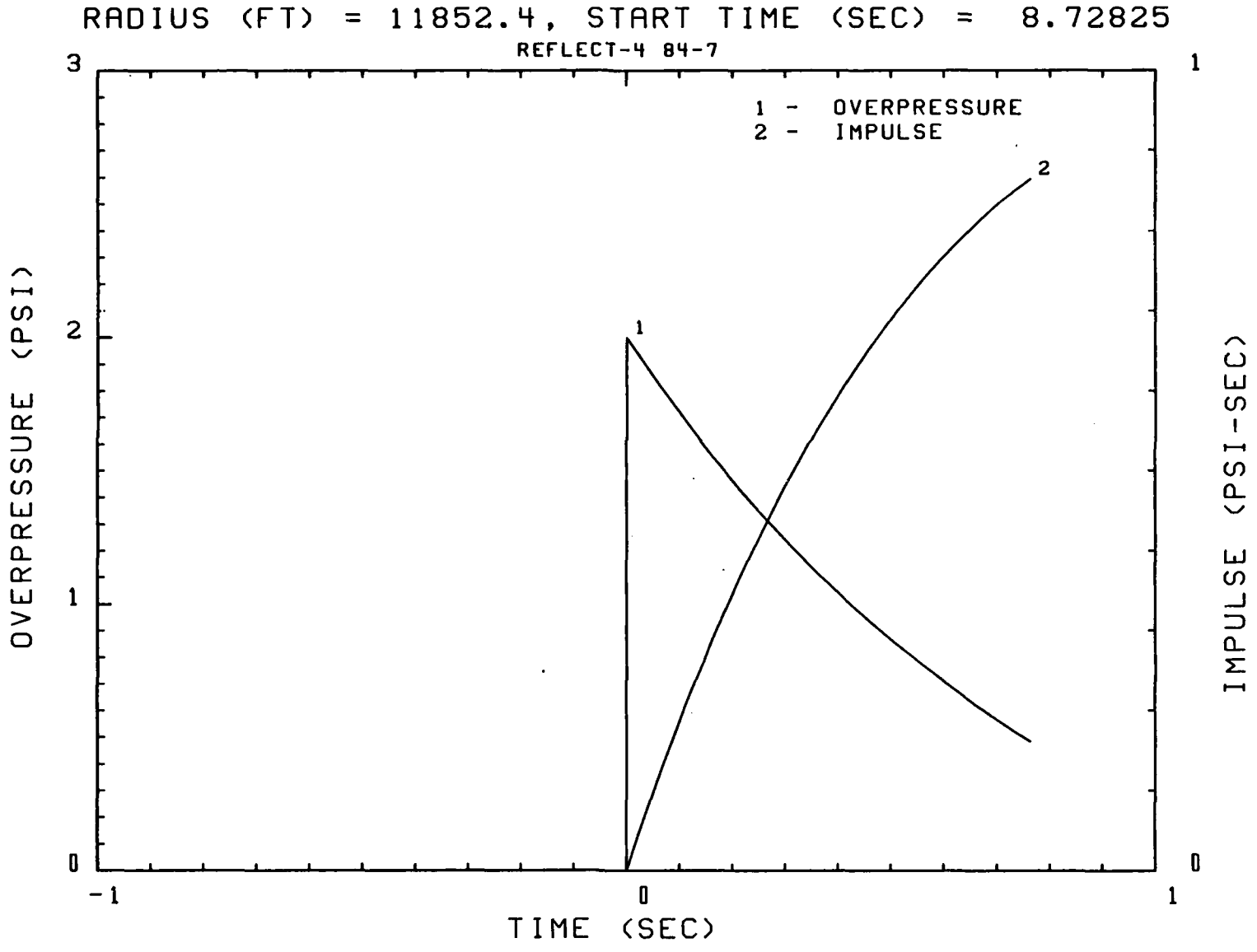

RADIUS (FT) = 6684.8, START TIME (SEC) = 4.46578
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
2
1
0
-1
-1
0
1
2
3
4

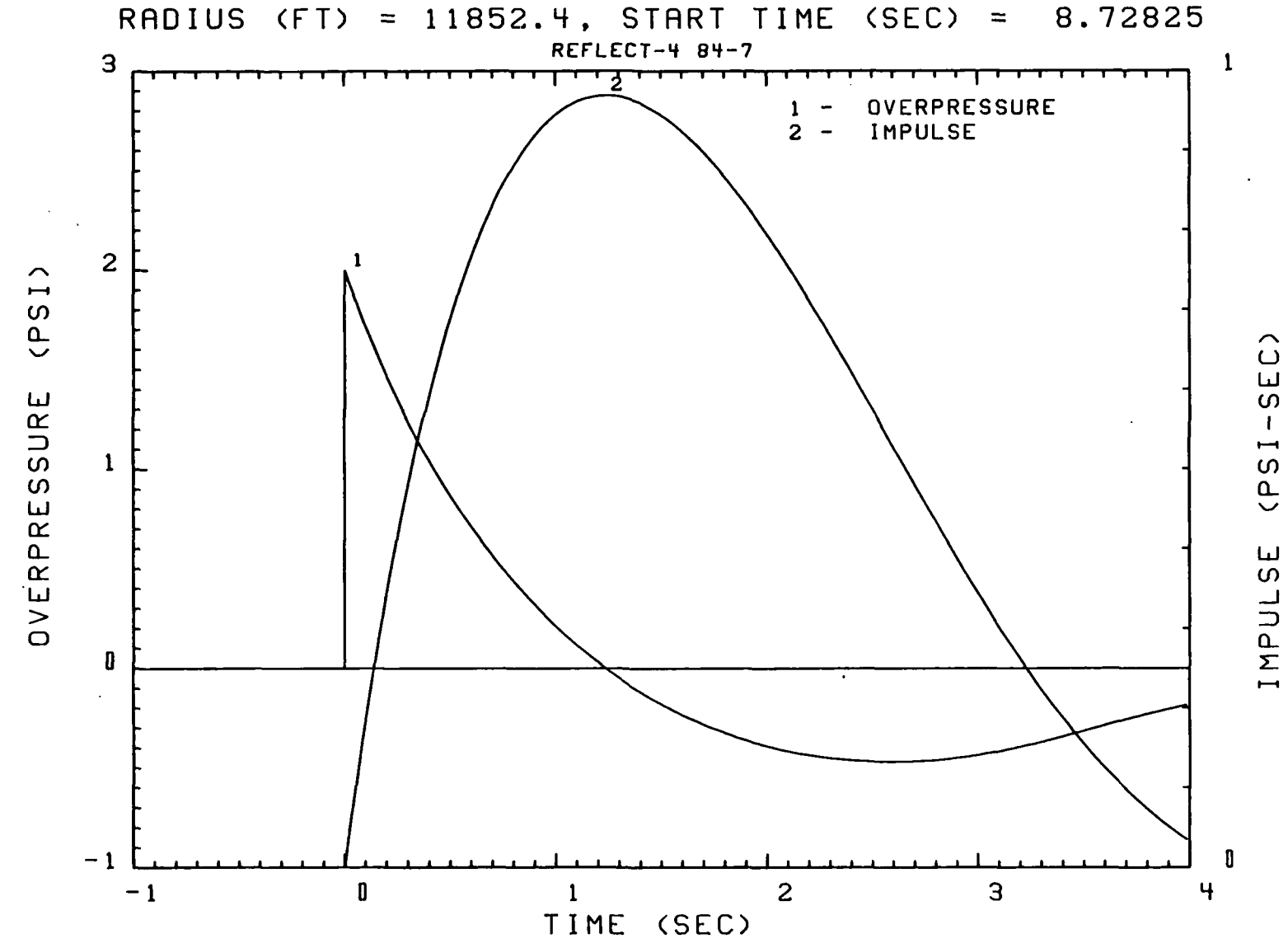

RADIUS (FT) = 7653.1, START TIME (SEC) = 5.23889
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
4
3
2
1
0
-1
0
1
2
1
0
1
2

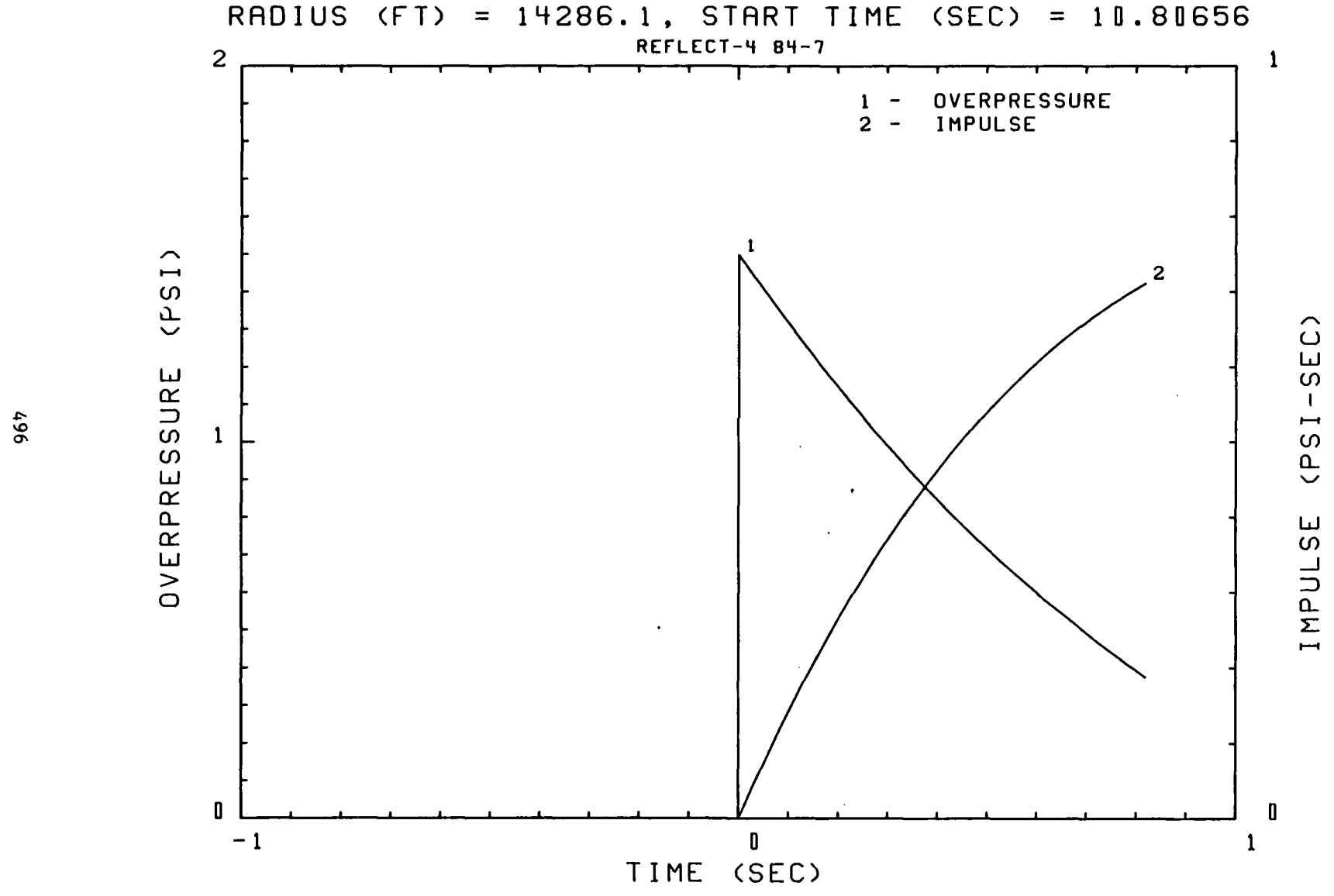

RADIUS (FT) = 7653.1, START TIME (SEC) = 5.23889
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
4
3
2
1
0
-1
-1
0
1
2
3
4
2
1
0
-1

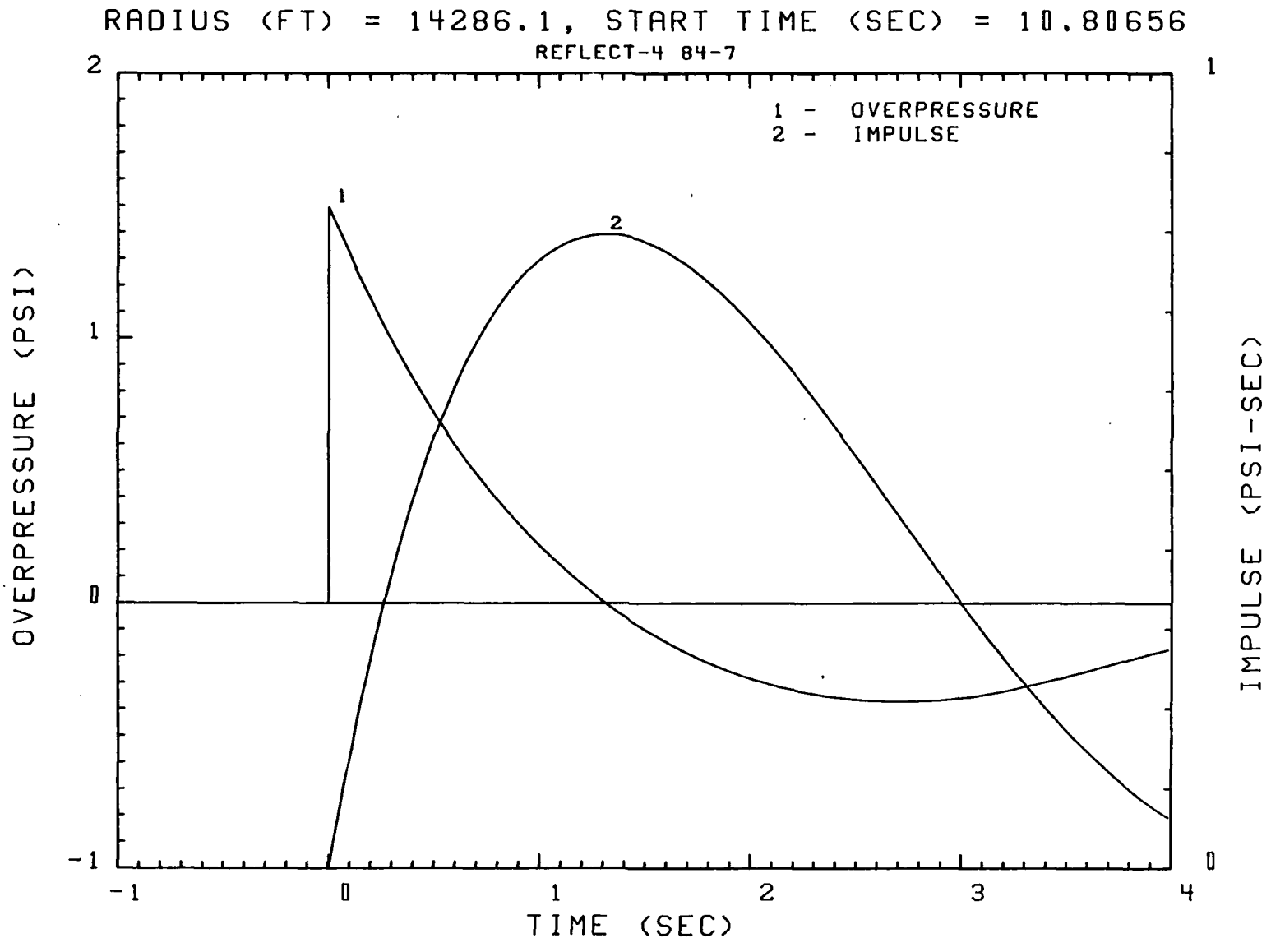

RADIUS (FT) = 9174.1, START TIME (SEC) = 6.48260
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
2
1
0
-1
0
1
2

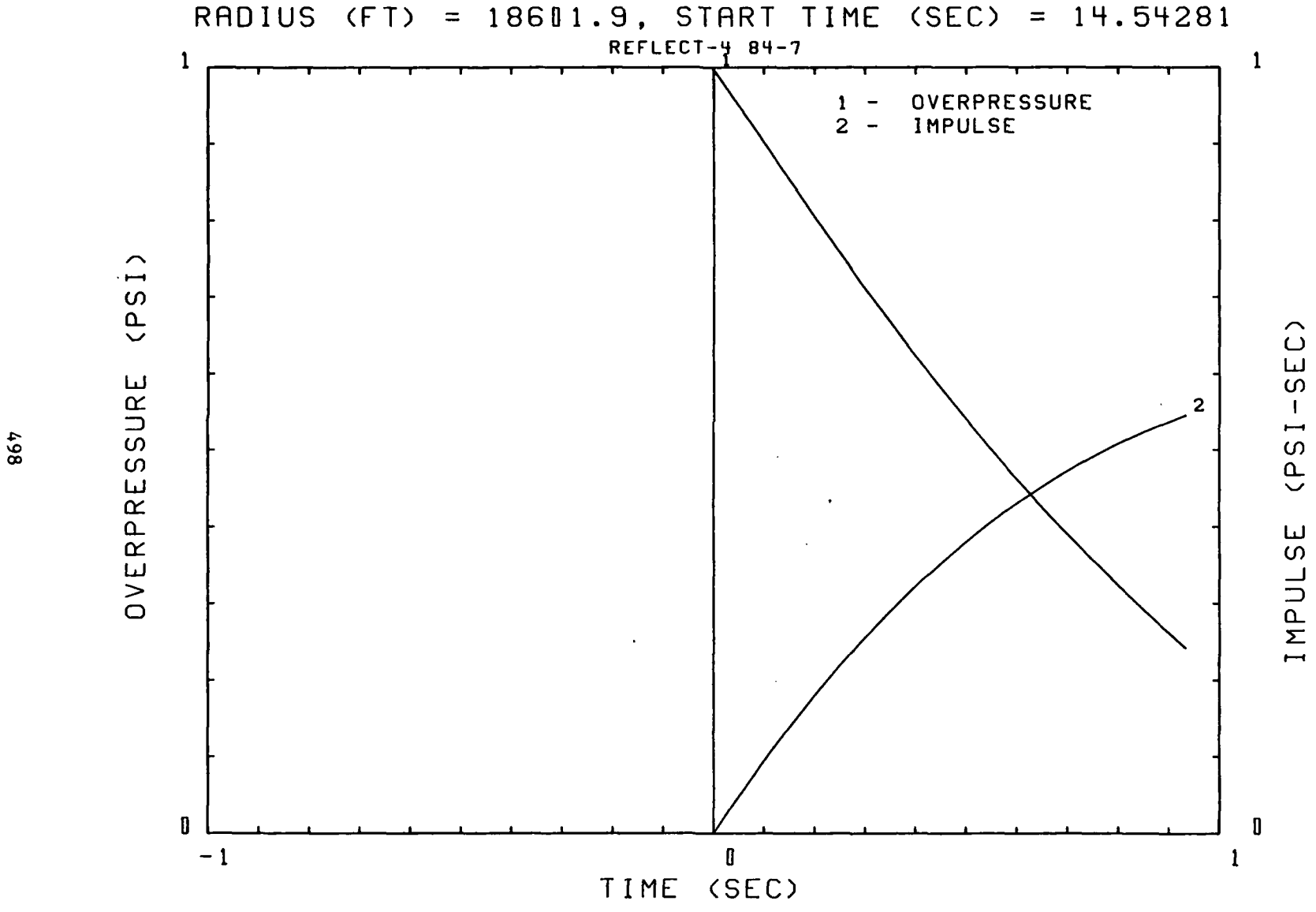

RADIUS (FT) = 9174.1, START TIME (SEC) = 6.48260
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
4


RADIUS (FT) = 11852.4, START TIME (SEC) = 8.72825
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
0
1
1
2


RADIUS (FT) = 11852.4, START TIME (SEC) = 8.72825
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
1
2
3
4


RADIUS (FT) = 14286.1, START TIME (SEC) = 10.80656
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0
1
1
2


RADIUS (FT) = 14286.1, START TIME (SEC) = 10.80656
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
-1
0
1
2
3
4


RADIUS (FT) = 18601.9, START TIME (SEC) = 14.54281
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
0
1
1
0
2

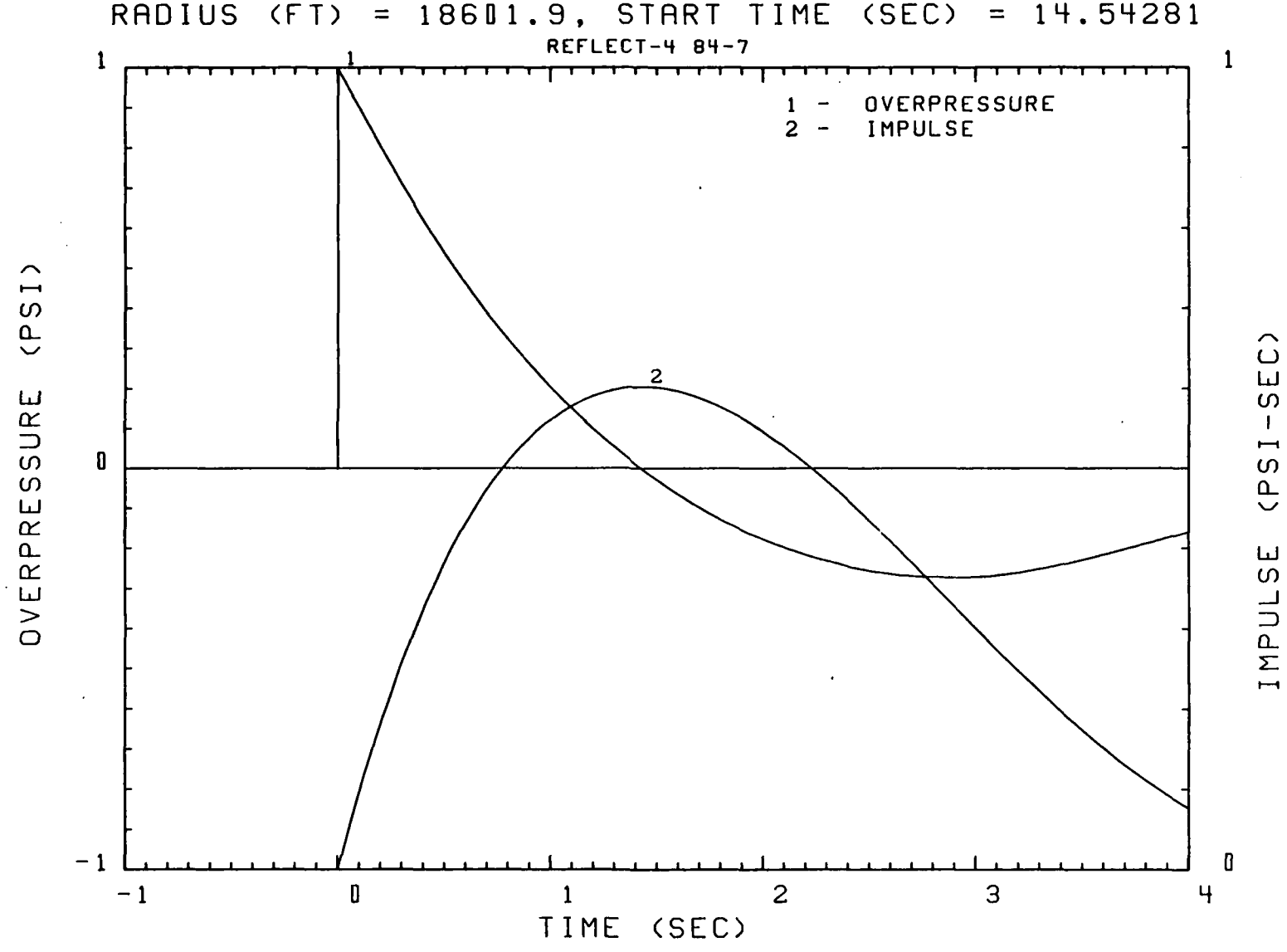
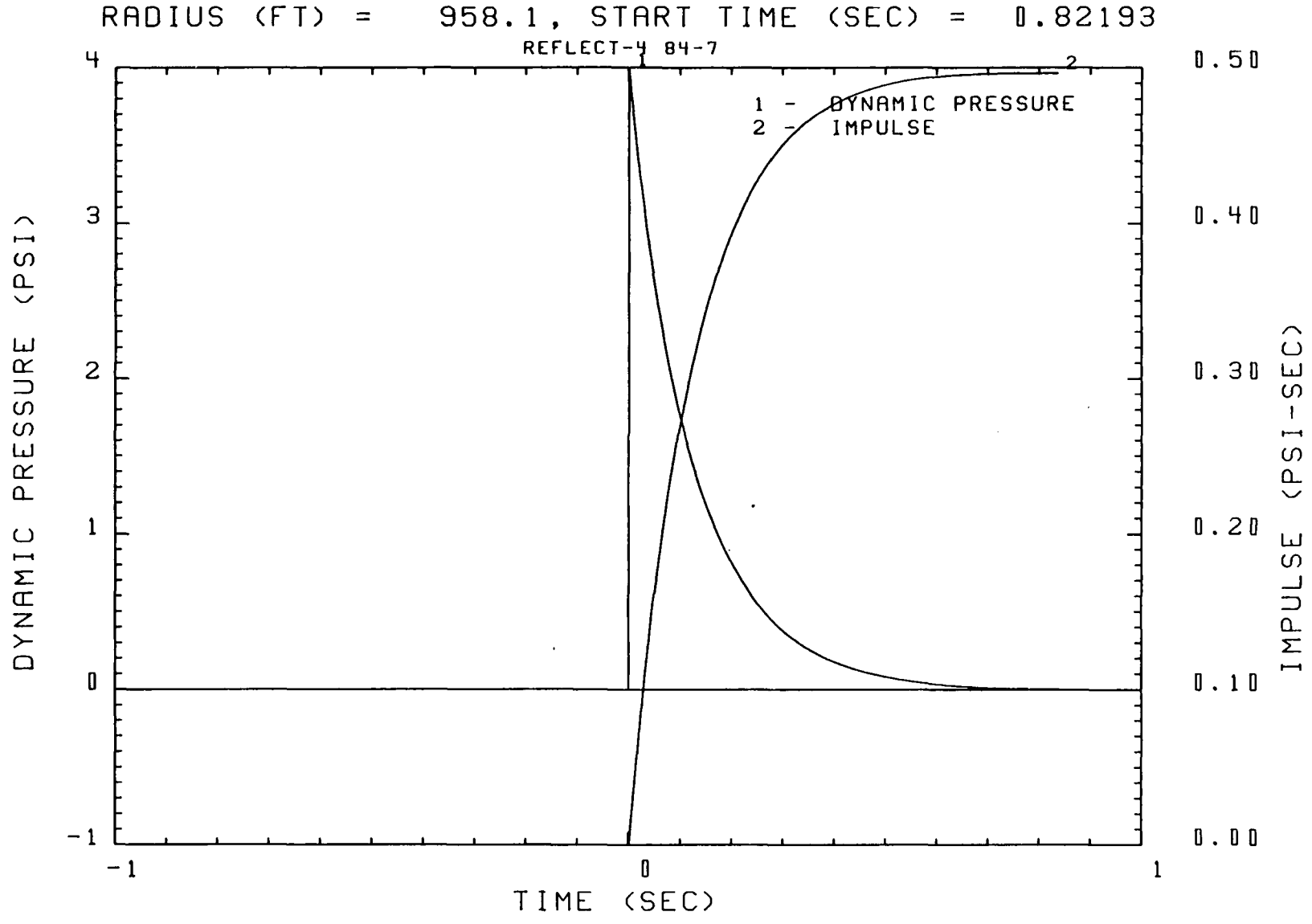
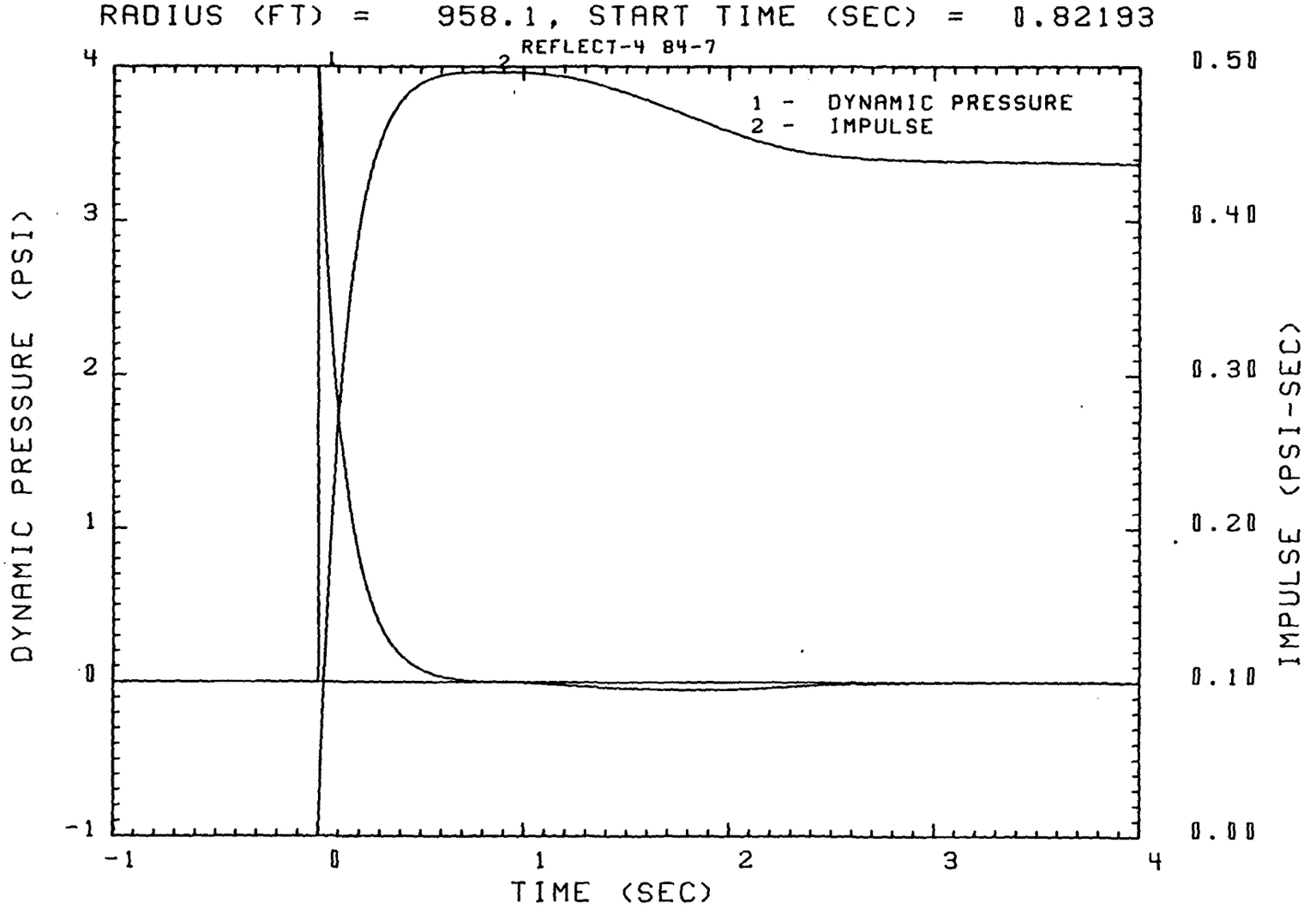

RADIUS (FT) = 18601.9, START TIME (SEC) = 14.54281
REFLECT-4 84-7
1 - OVERPRESSURE
2 - IMPULSE
OVERPRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
-1
0
1
2
3
4

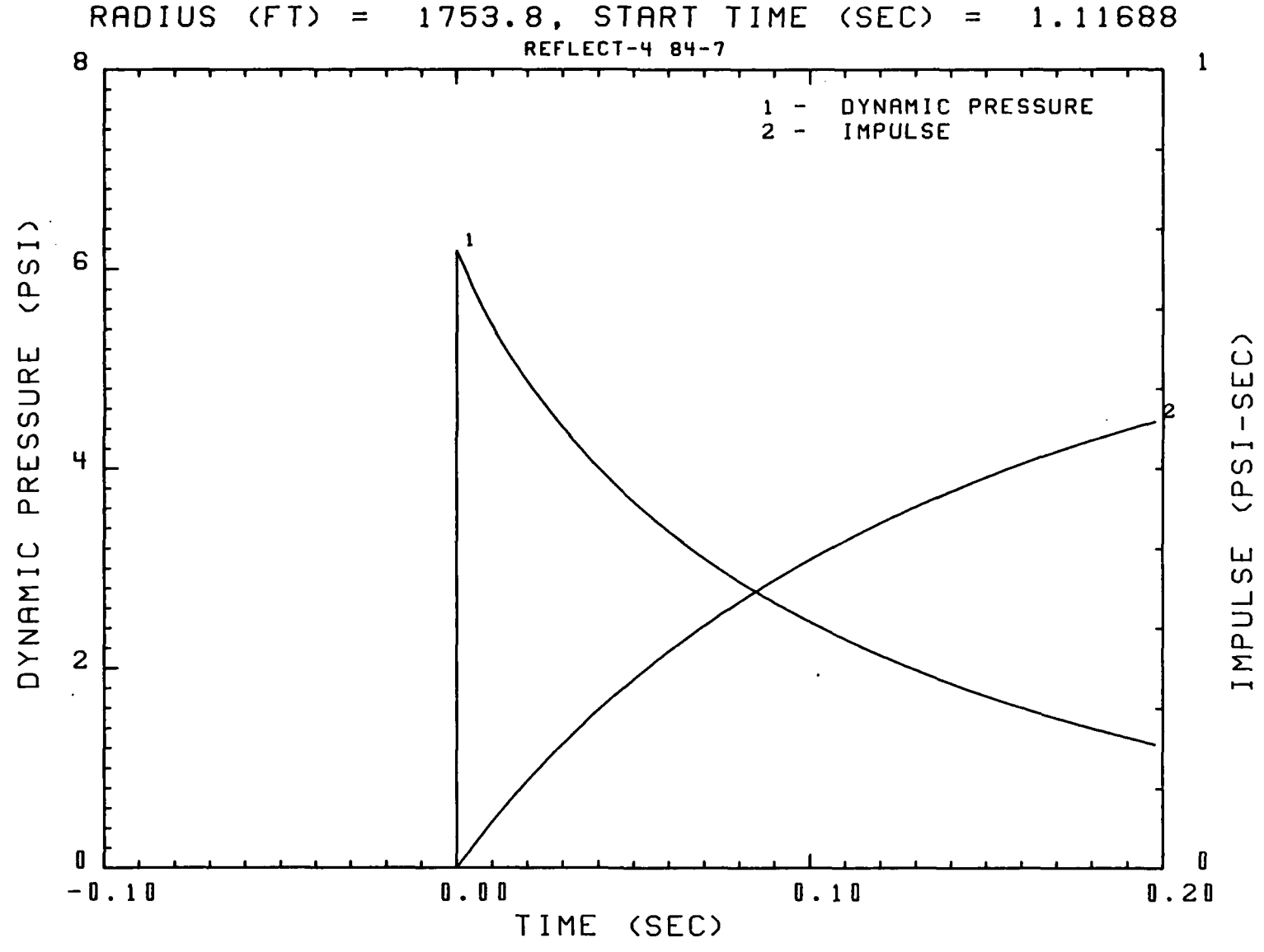
Table 16. Ground range and maximum dynamic pressure for dynamic pressure plots for 2052-ft HOB.

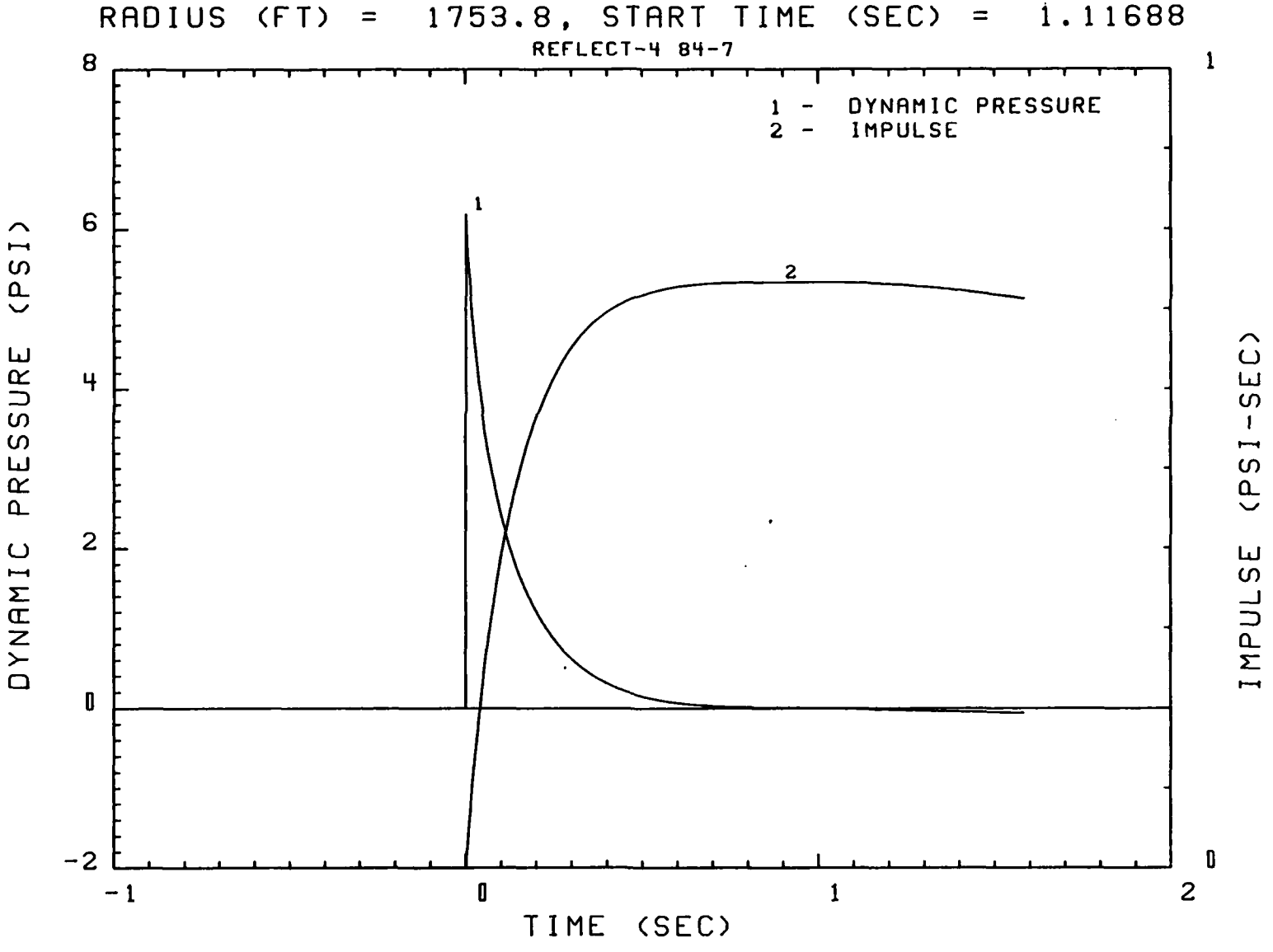
Range (ft)	Maximum Dynamic Pressure (psi)
958.1	4.0
1753.8	6.2
2069.5	8.0
2156.4	10.0
2193.0	11.9
2216.0	14.0
2241.4	13.9
2280.0	14.7
2290.1	16.9
2347.6	15.0
2714.5	10.0
2805.0	9.0
2916.3	8.0
3047.0	7.0
3204.2	6.0
3385.2	4.9
3617.4	4.0
3996.8	3.0
4403.9	2.2
4977.6	1.5
5649.8	1.0
6167.0	0.75
7007.4	0.50
8694.5	0.25
11698.4	0.10

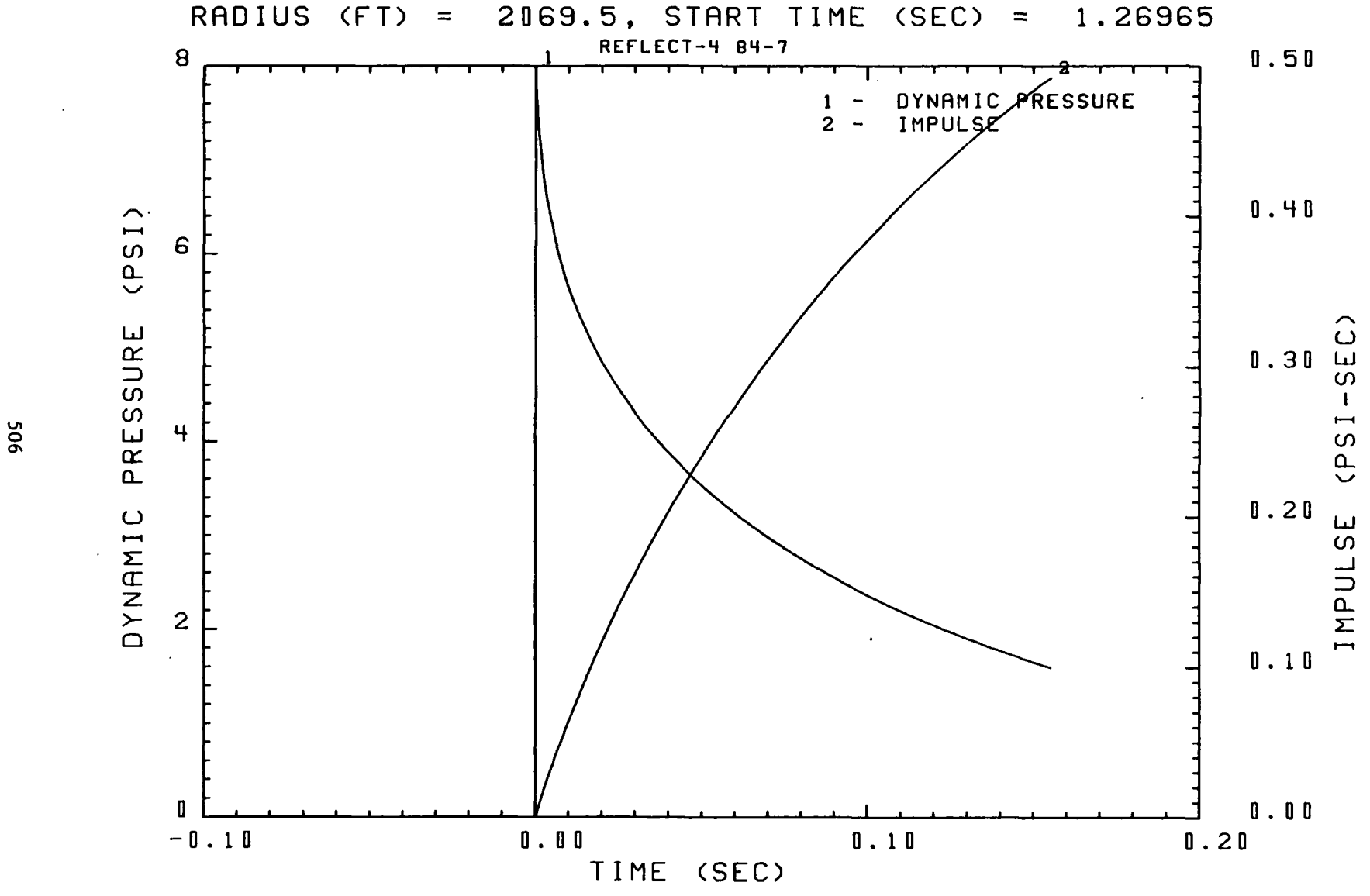
Figure 6. Dynamic pressure and impulse time histories for 2052-ft HOB.


RADIUS (FT) = 958.1, START TIME (SEC) = 0.82193
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
4
3
2
1
0
-1
0.50
0.40
0.30
0.20
0.10
0.00
-1
0
1

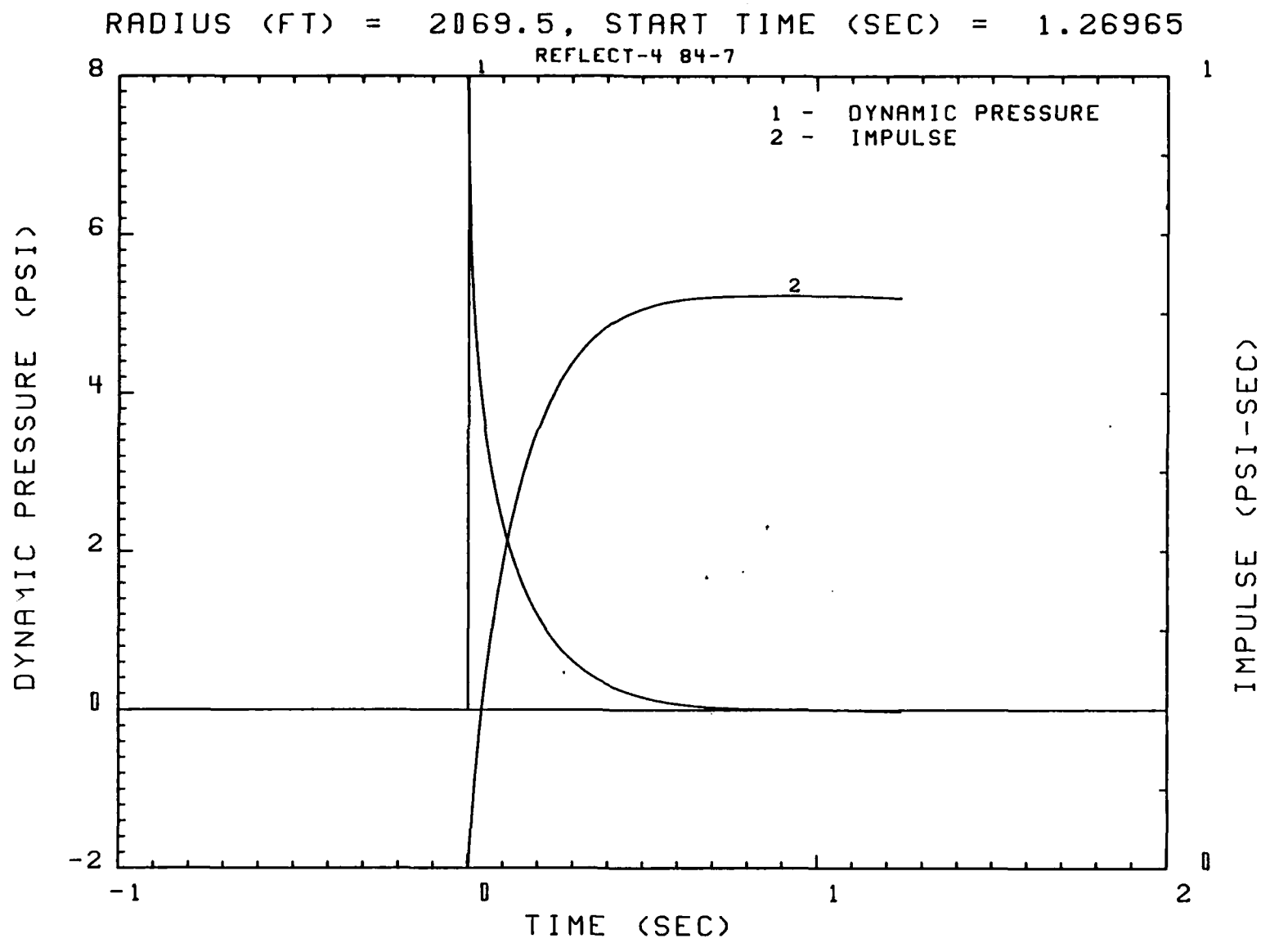

RADIUS (FT) = 958.1, START TIME (SEC) = 0.82193
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
4
3
2
1
0
-1
0.50
0.40
0.30
0.20
0.10
0.00

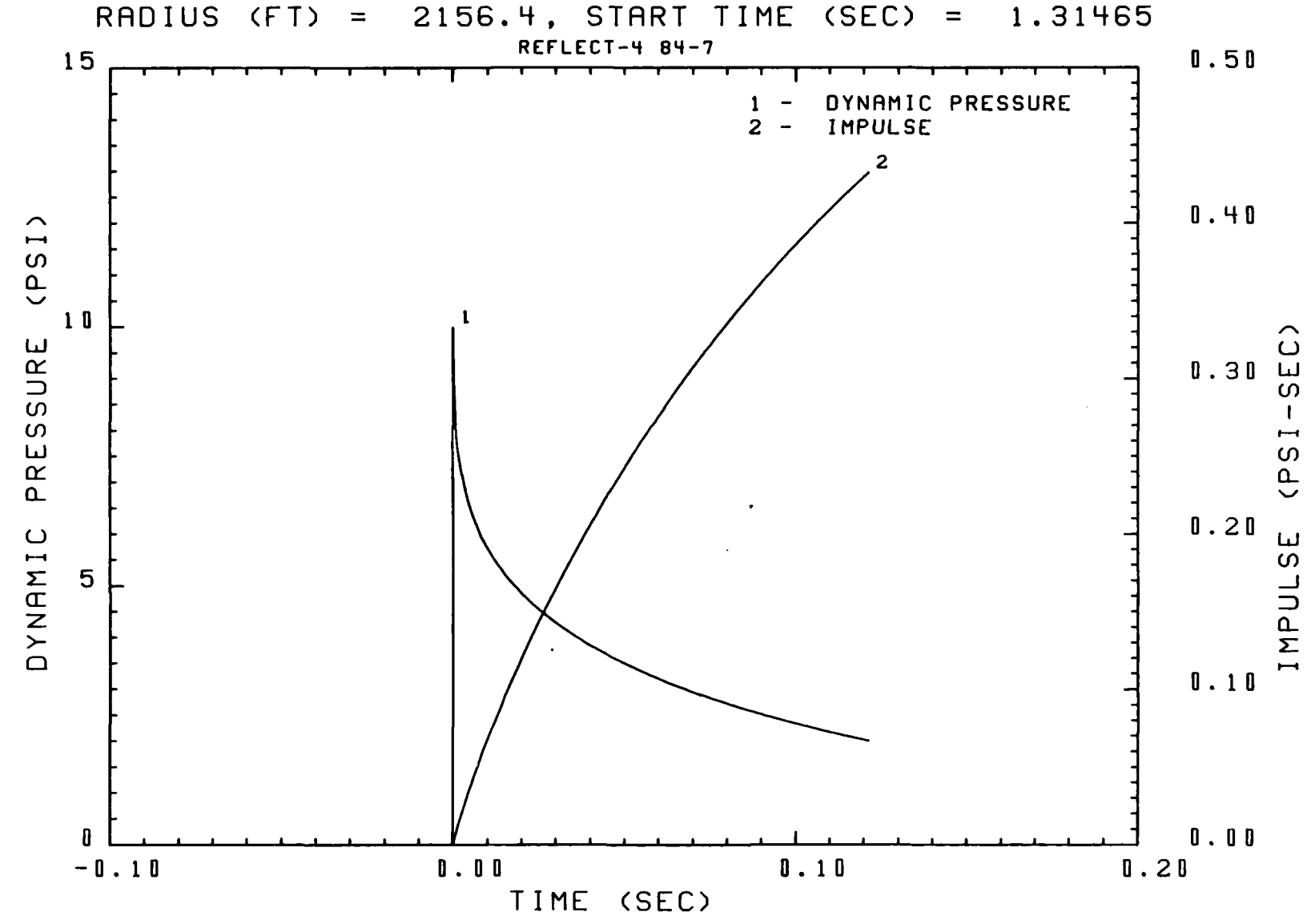

RADIUS (FT) = 1753.8, START TIME (SEC) = 1.11688
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
0
1
-0.10
0.00
0.10
0.20

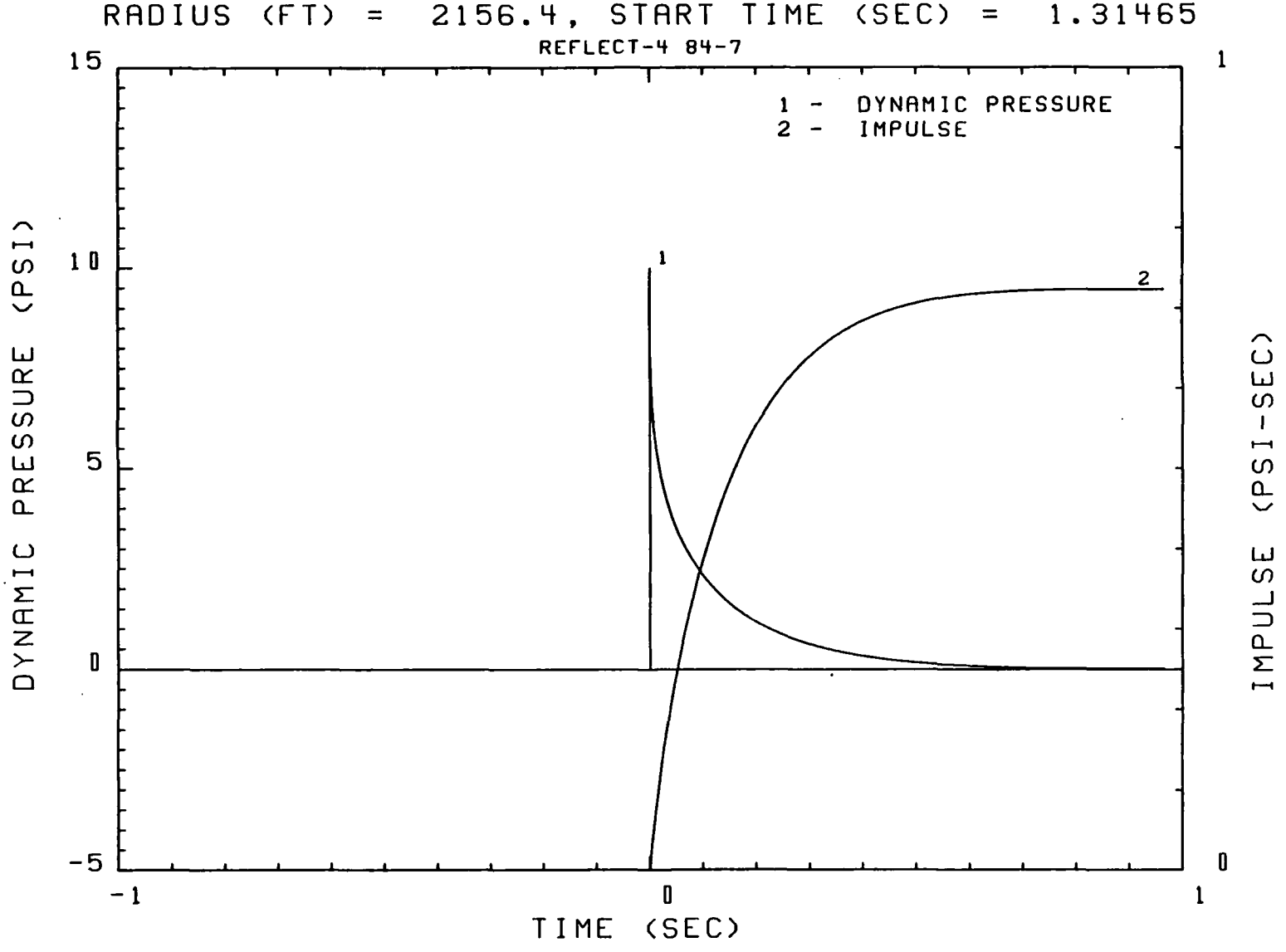

RADIUS (FT) = 1753.8, START TIME (SEC) = 1.11688
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
1
0
-1
2
1
2

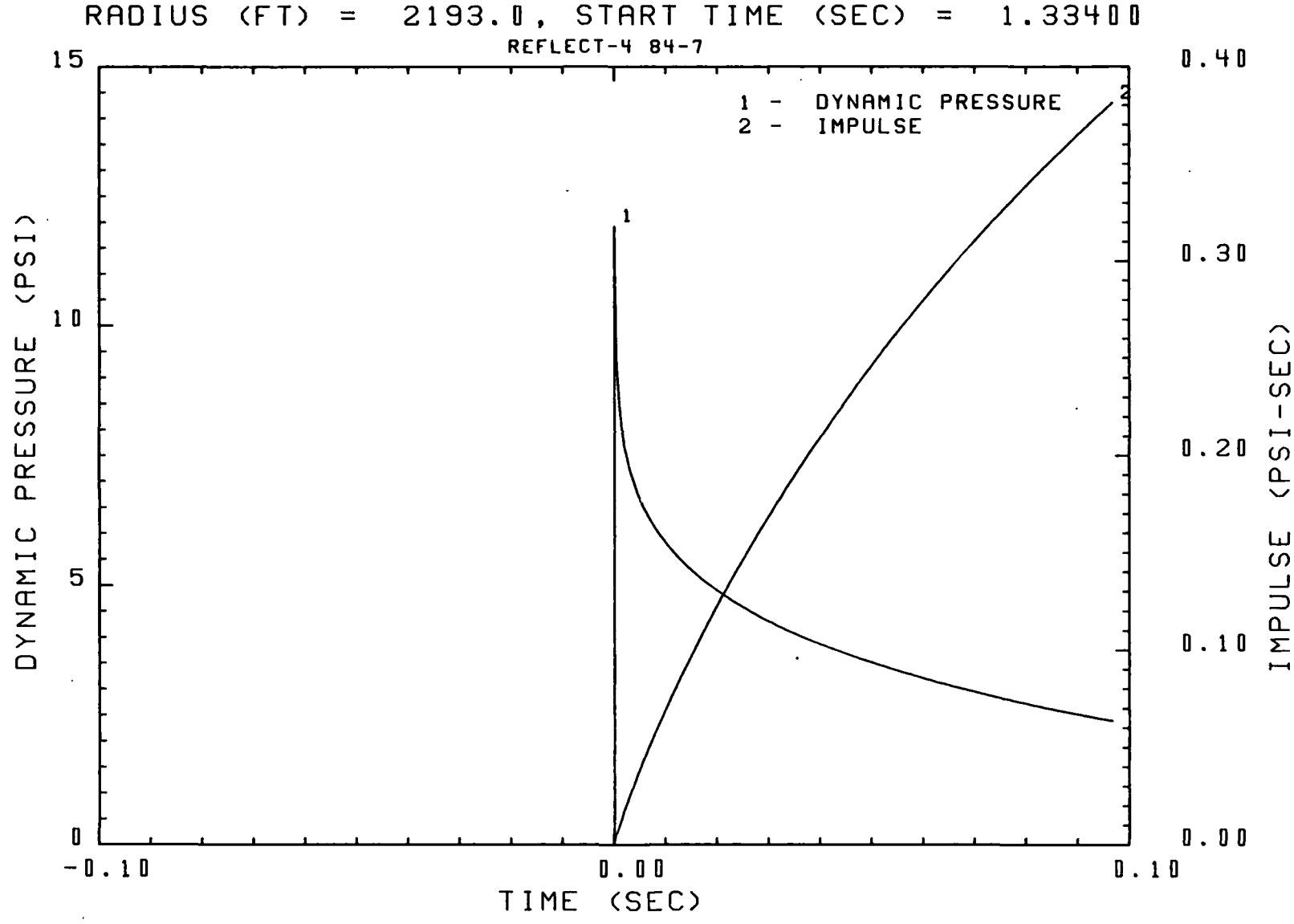

RADIUS (FT) = 2069.5, START TIME (SEC) = 1.26965
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
0.00
0.10
0.20
0.30
0.40
0.50
-0.10
0.00
0.10
0.20

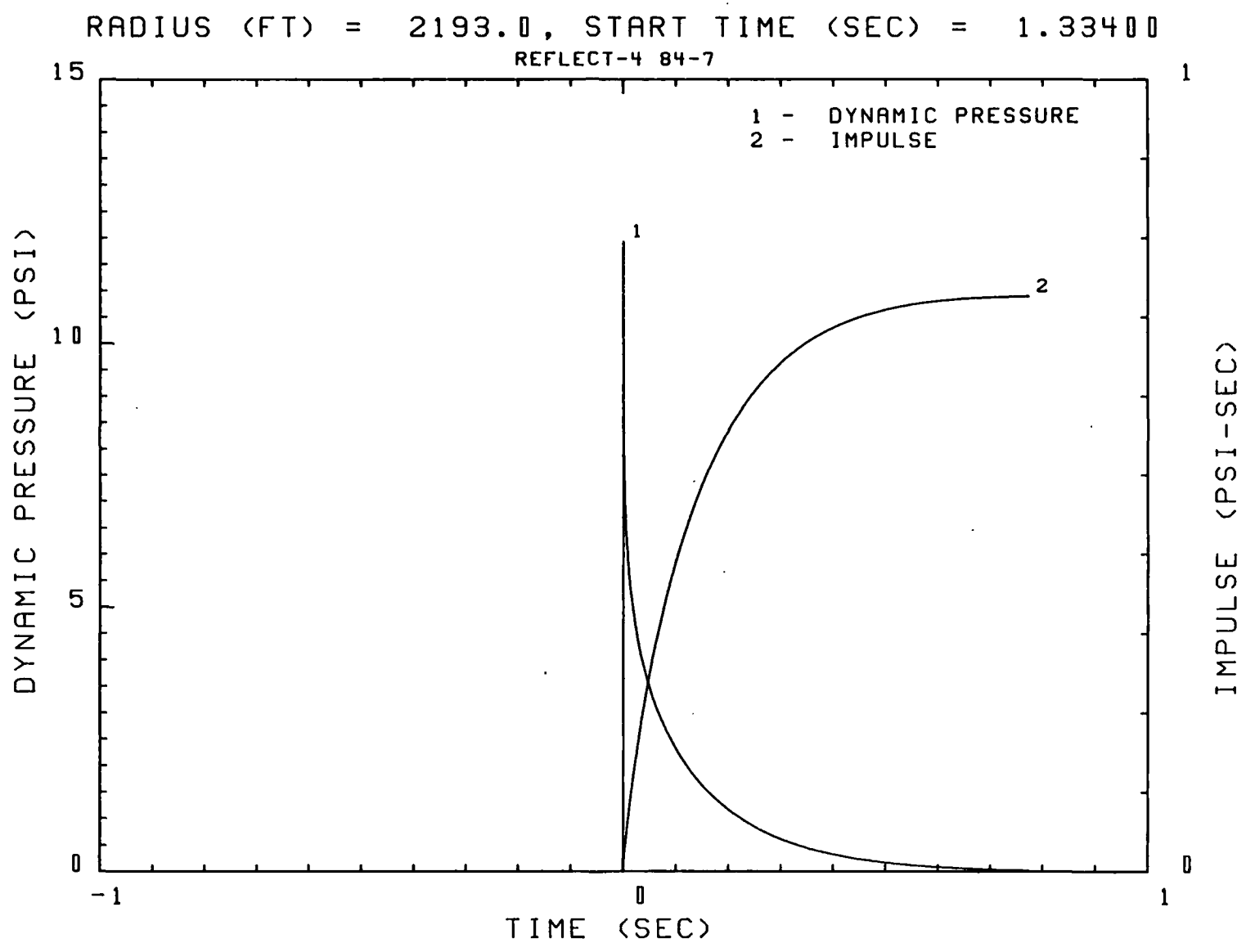
506

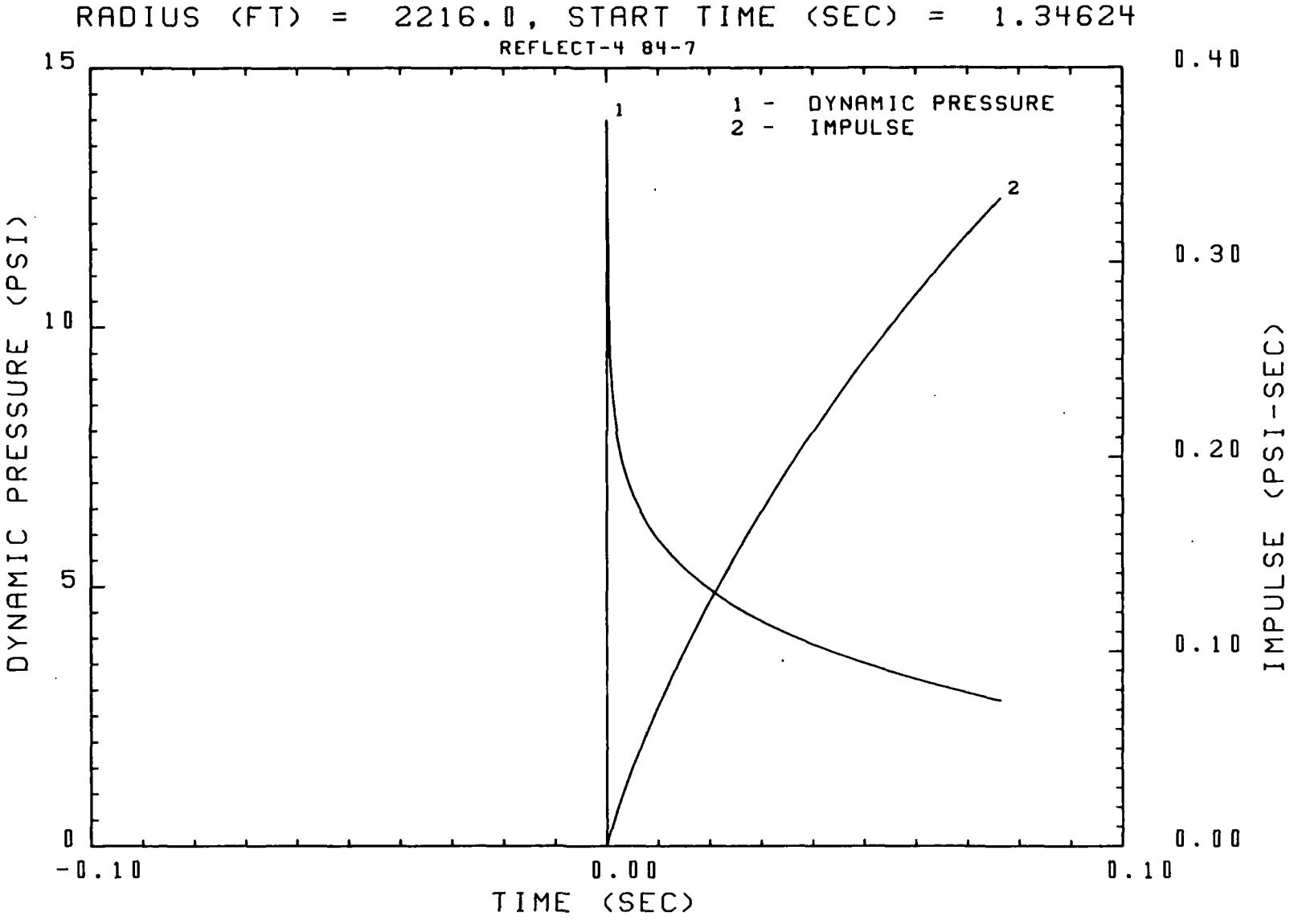

RADIUS (FT) = 2069.5, START TIME (SEC) = 1.26965
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
1
0
-1
2

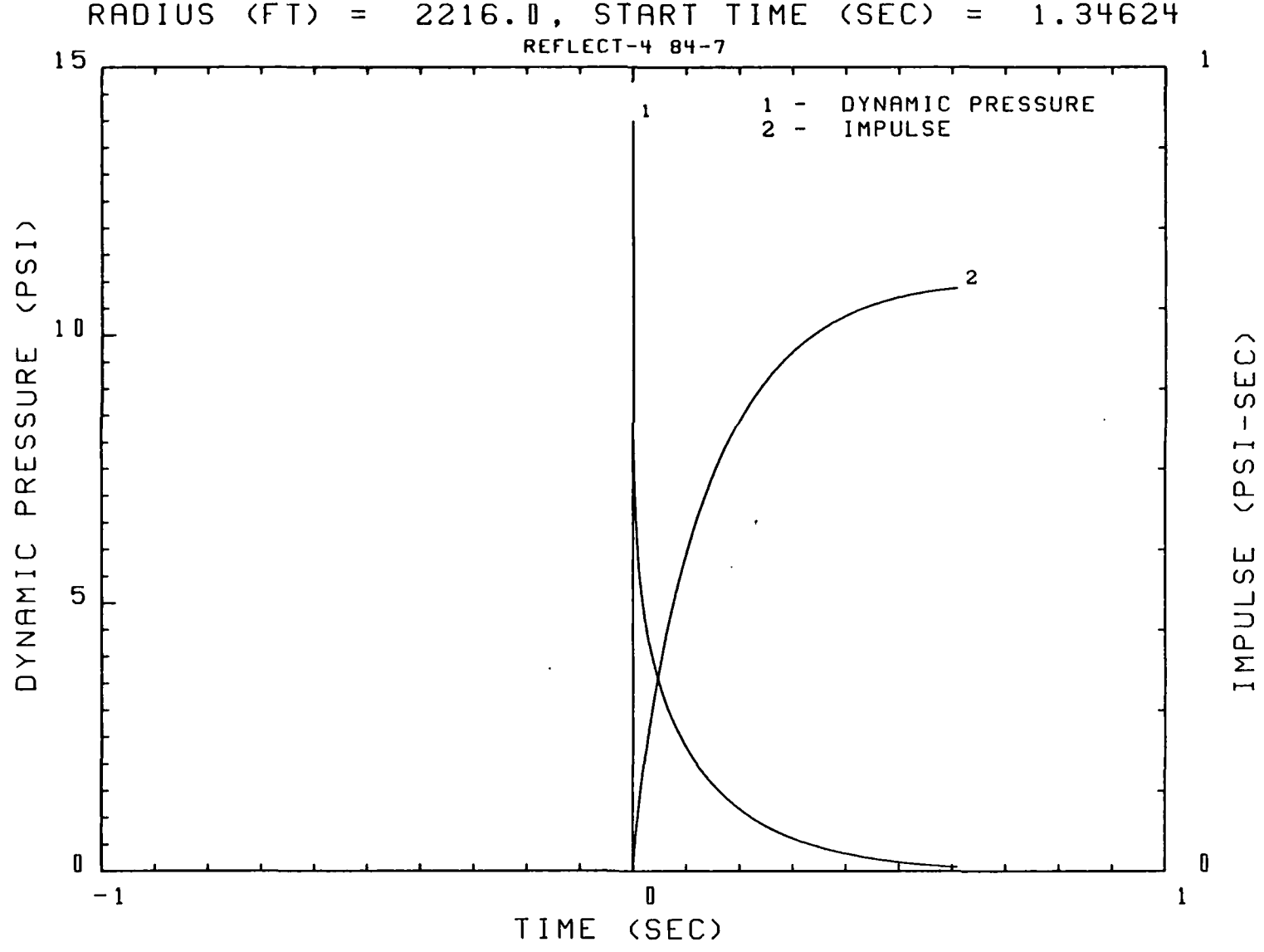

RADIUS (FT) = 2156.4, START TIME (SEC) = 1.31465
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
1
2

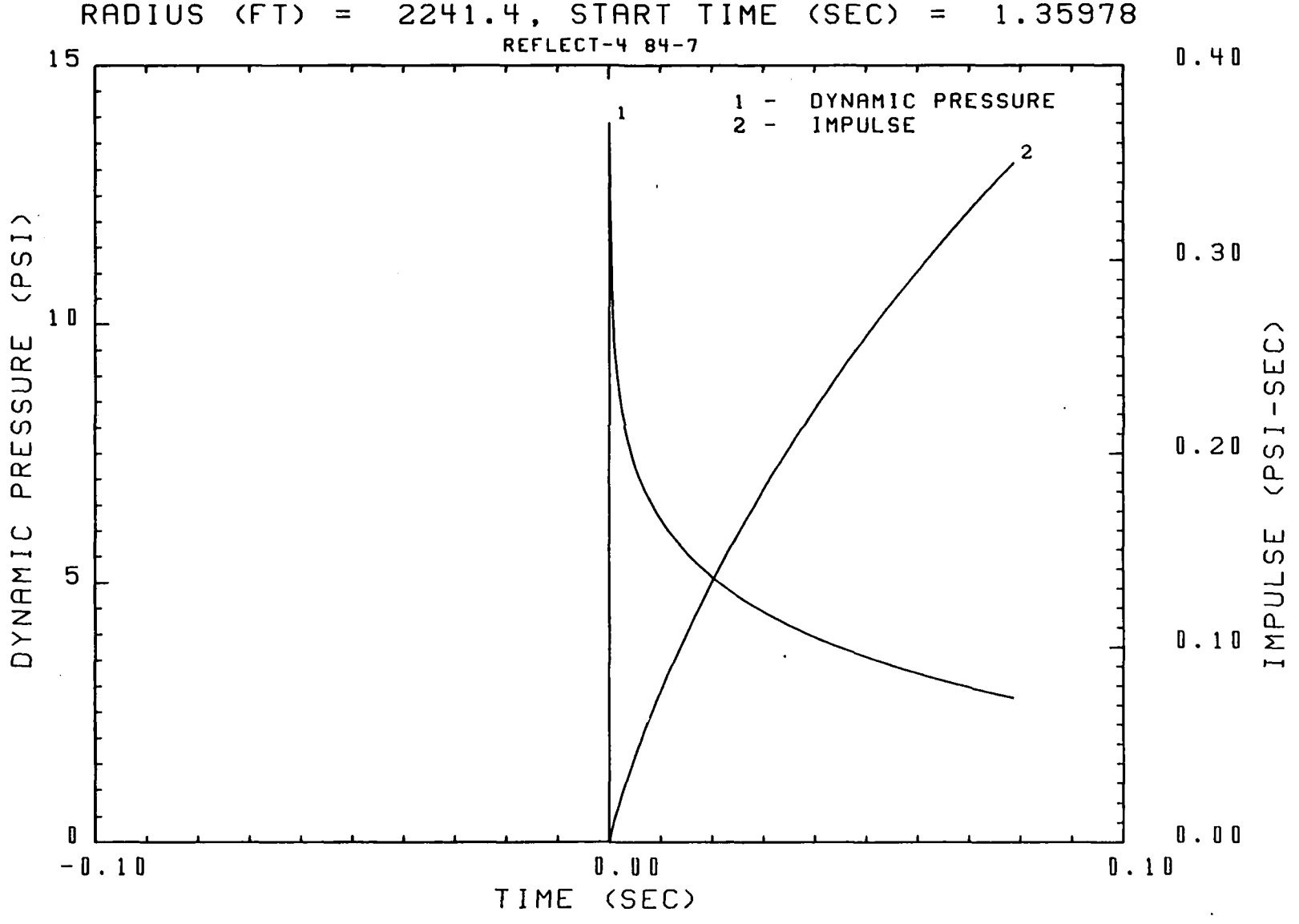

RADIUS (FT) = 2156.4, START TIME (SEC) = 1.31465
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
-5
1
0
-1
1
2

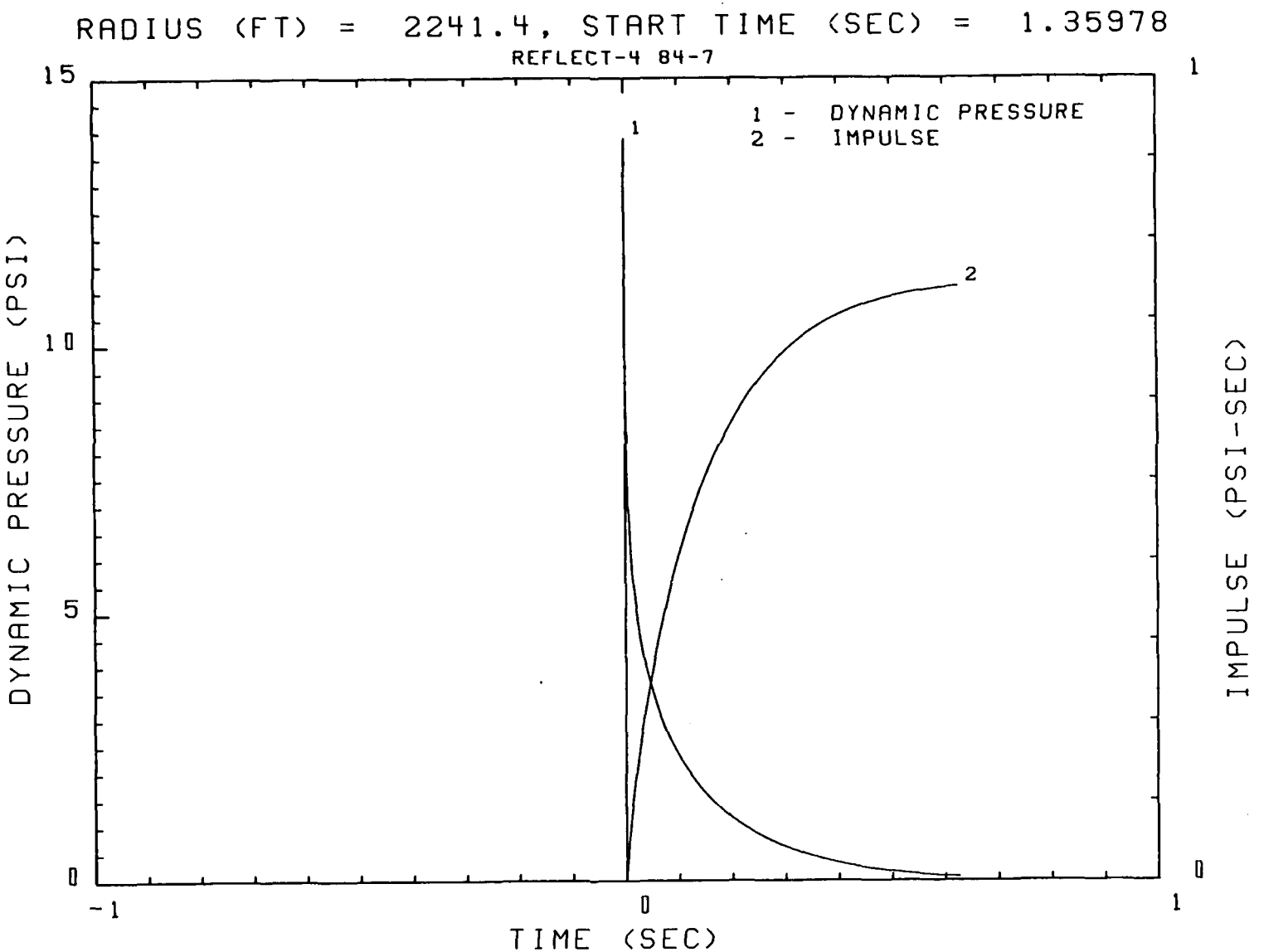

RADIUS (FT) = 2193.0, START TIME (SEC) = 1.33400
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
1
2

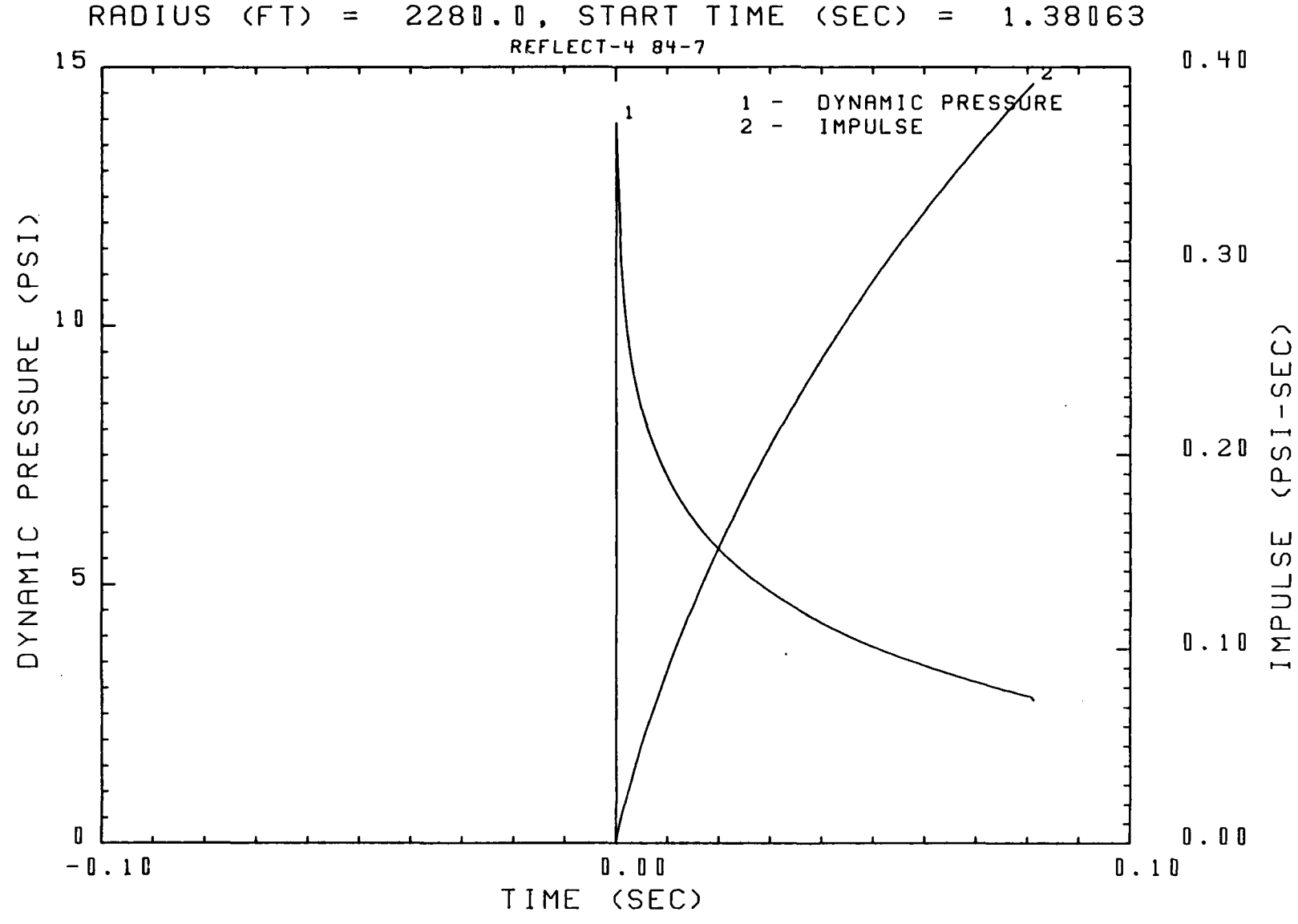

RADIUS (FT) = 2193.0, START TIME (SEC) = 1.33400
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
1
0
-1
1
2

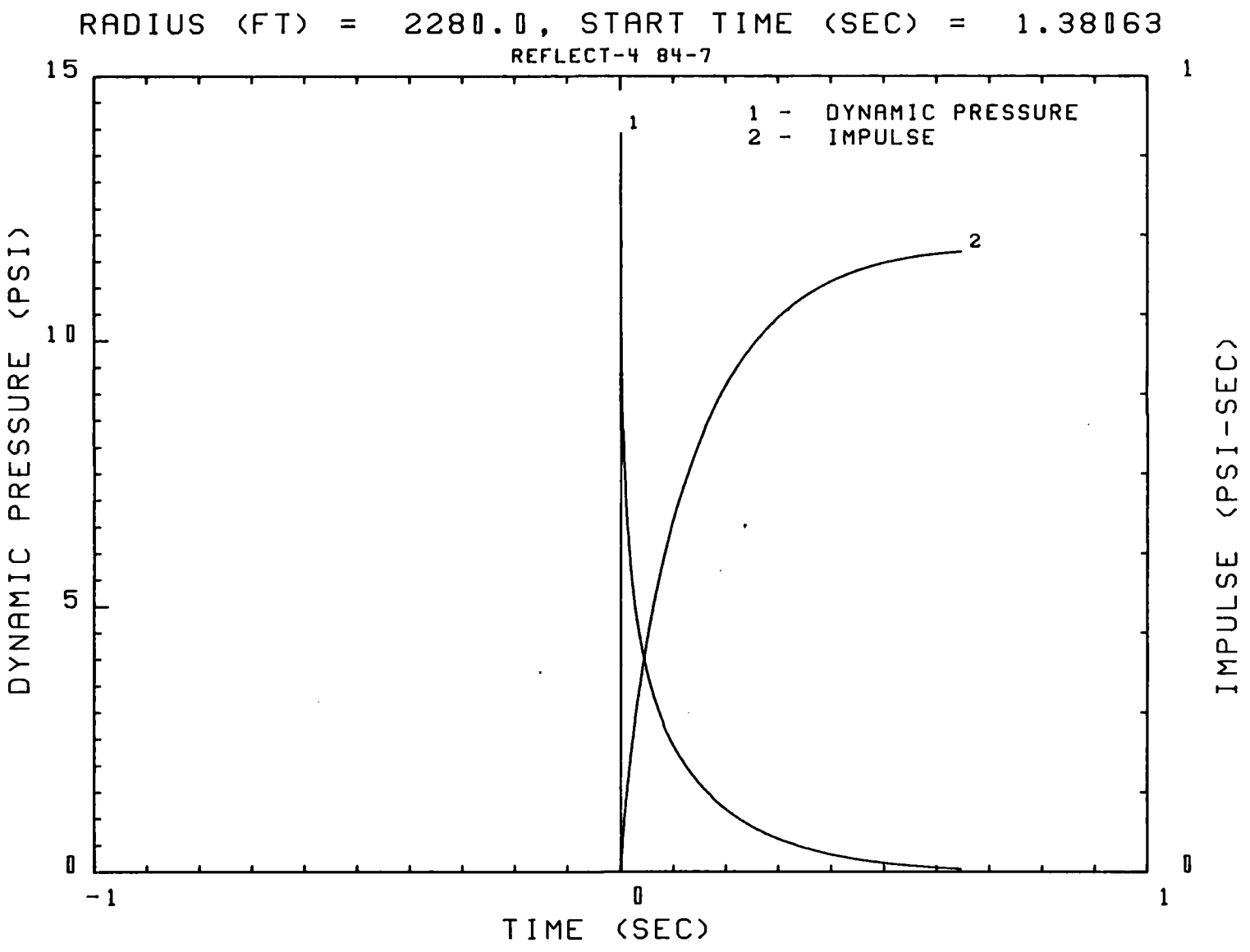

RADIUS (FT) = 2216.0, START TIME (SEC) = 1.34624
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10

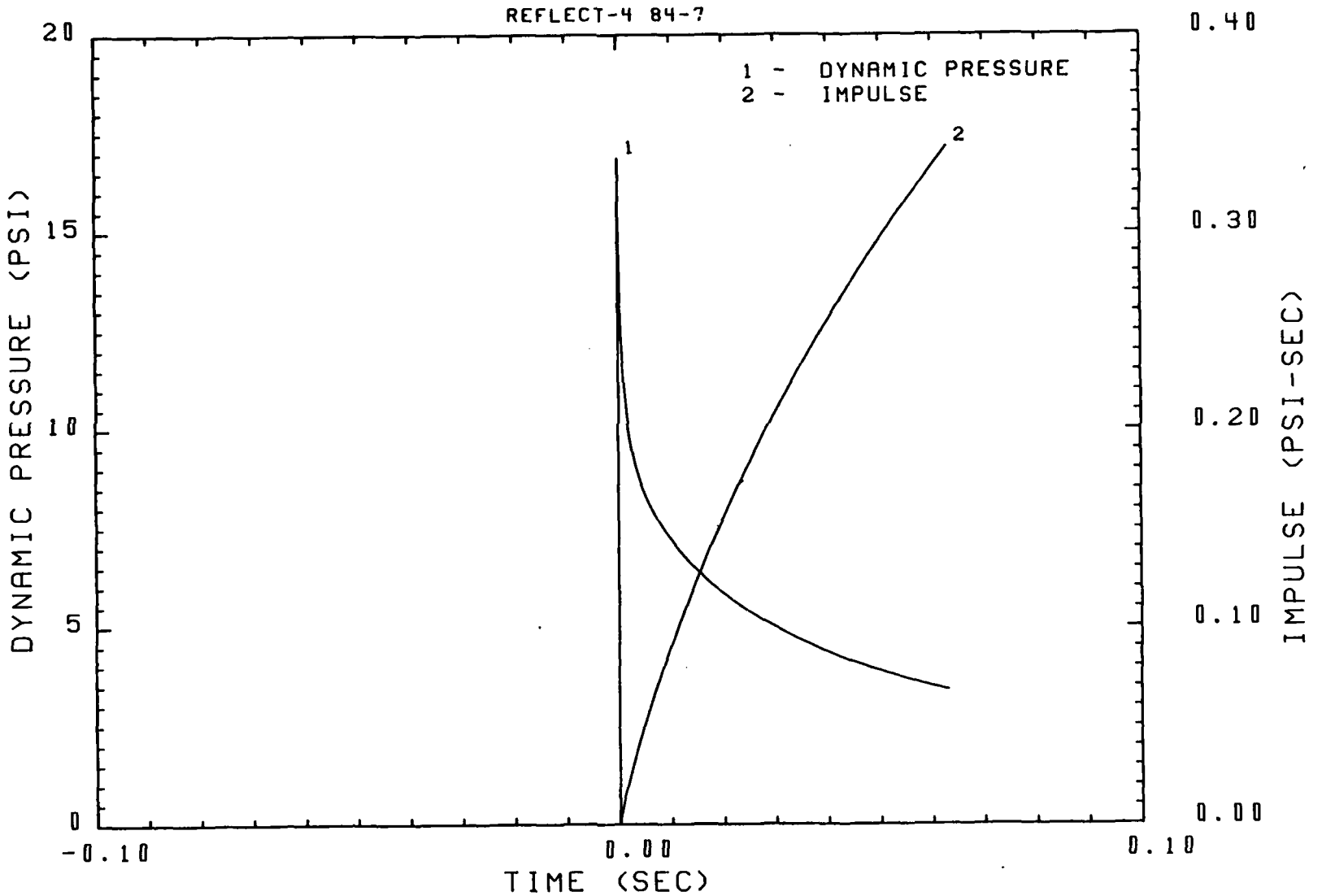

RADIUS (FT) = 2216.0, START TIME (SEC) = 1.34624
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
1
0
-1
1
2

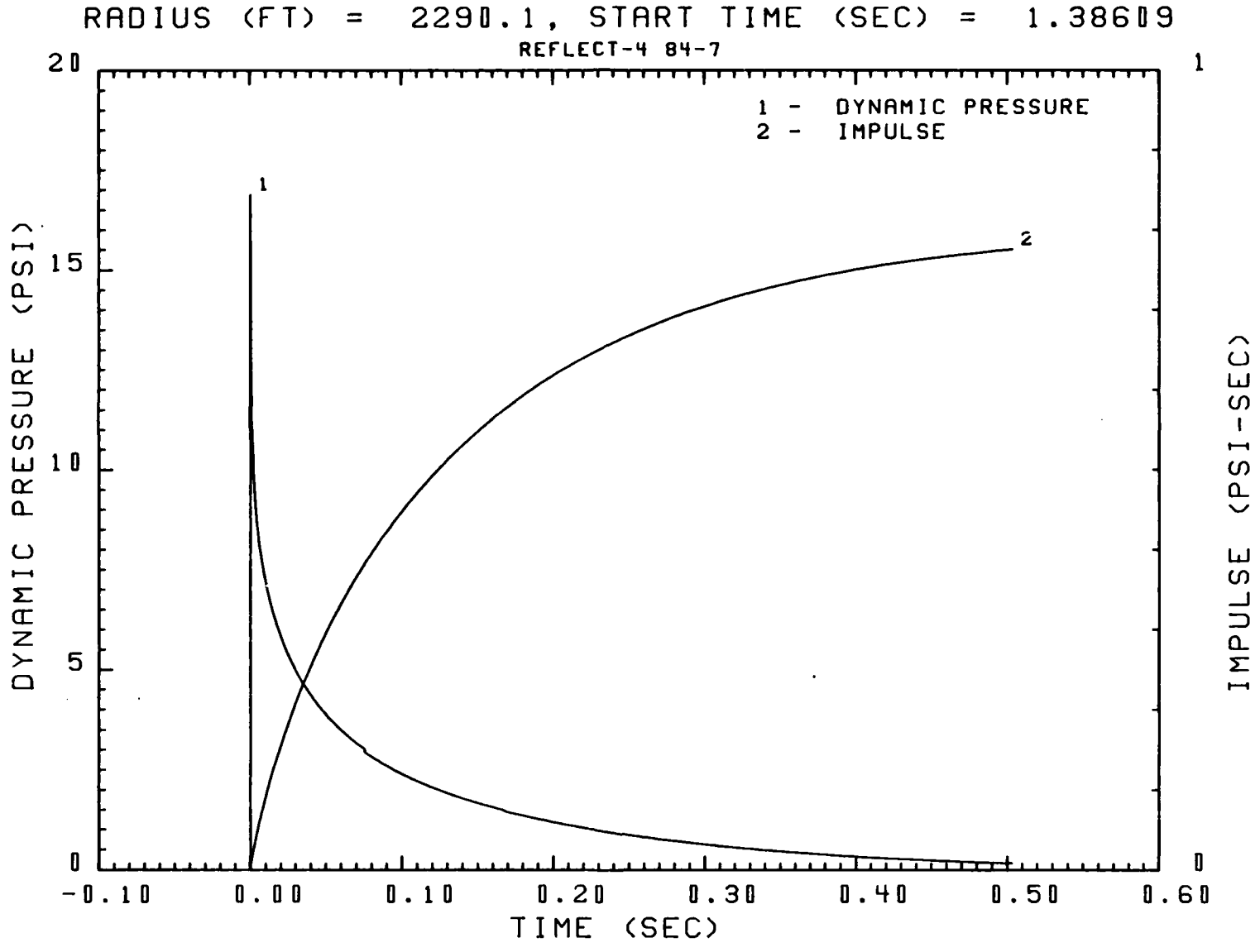

RADIUS (FT) = 2241.4, START TIME (SEC) = 1.35978
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10

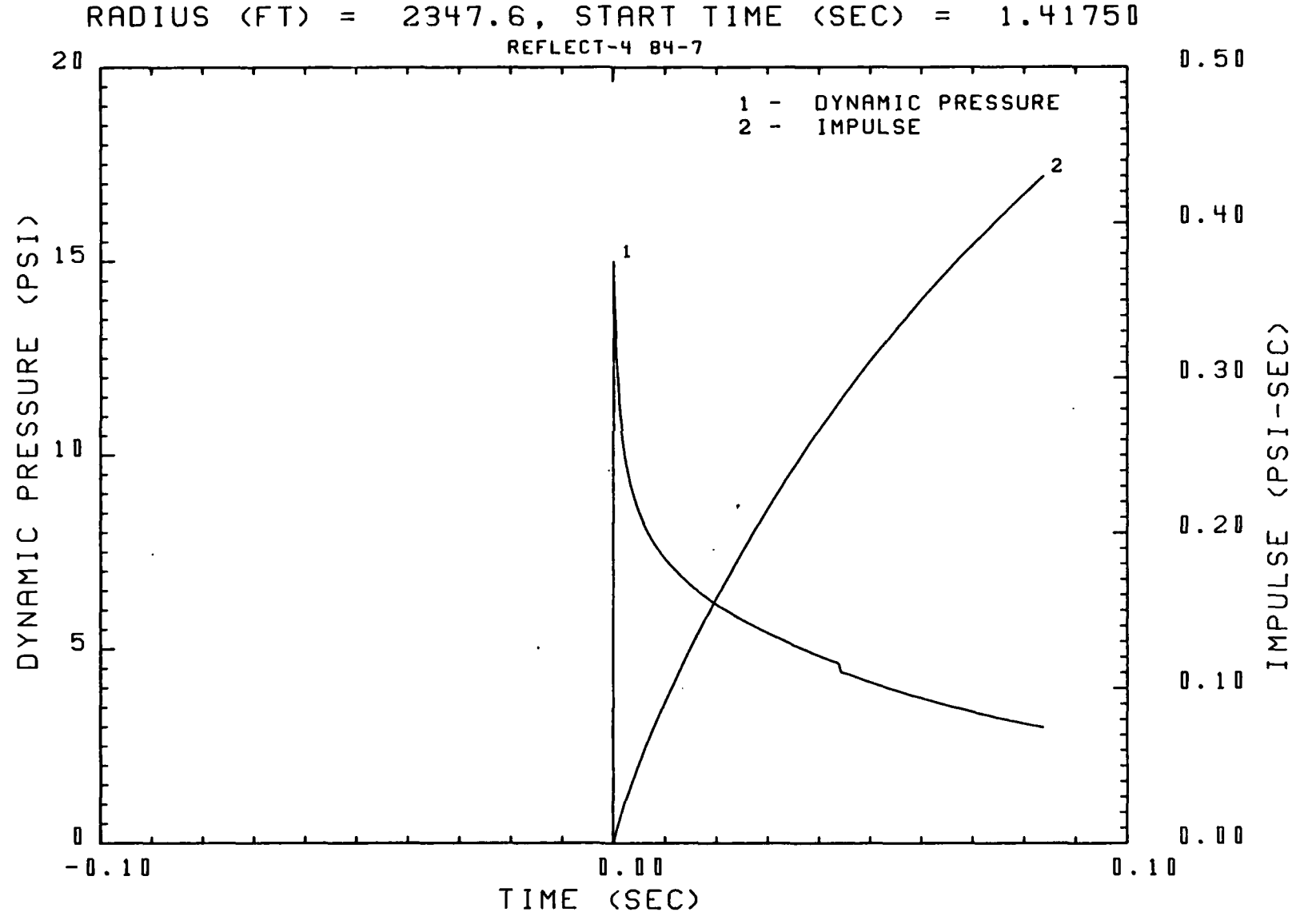

RADIUS (FT) = 2241.4, START TIME (SEC) = 1.35978
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
1
0
-1
1
2

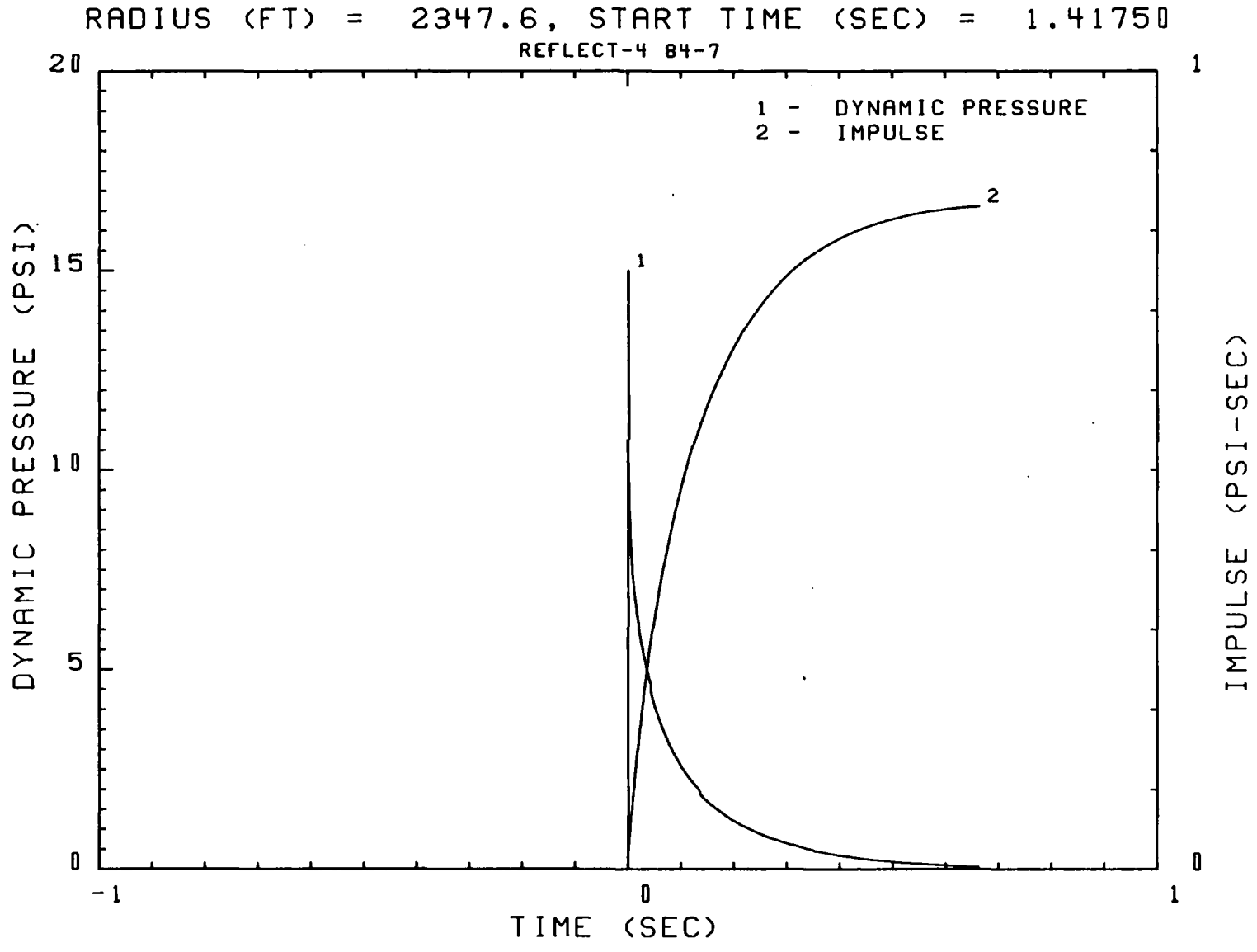

RADIUS (FT) = 2280.0, START TIME (SEC) = 1.38063
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10

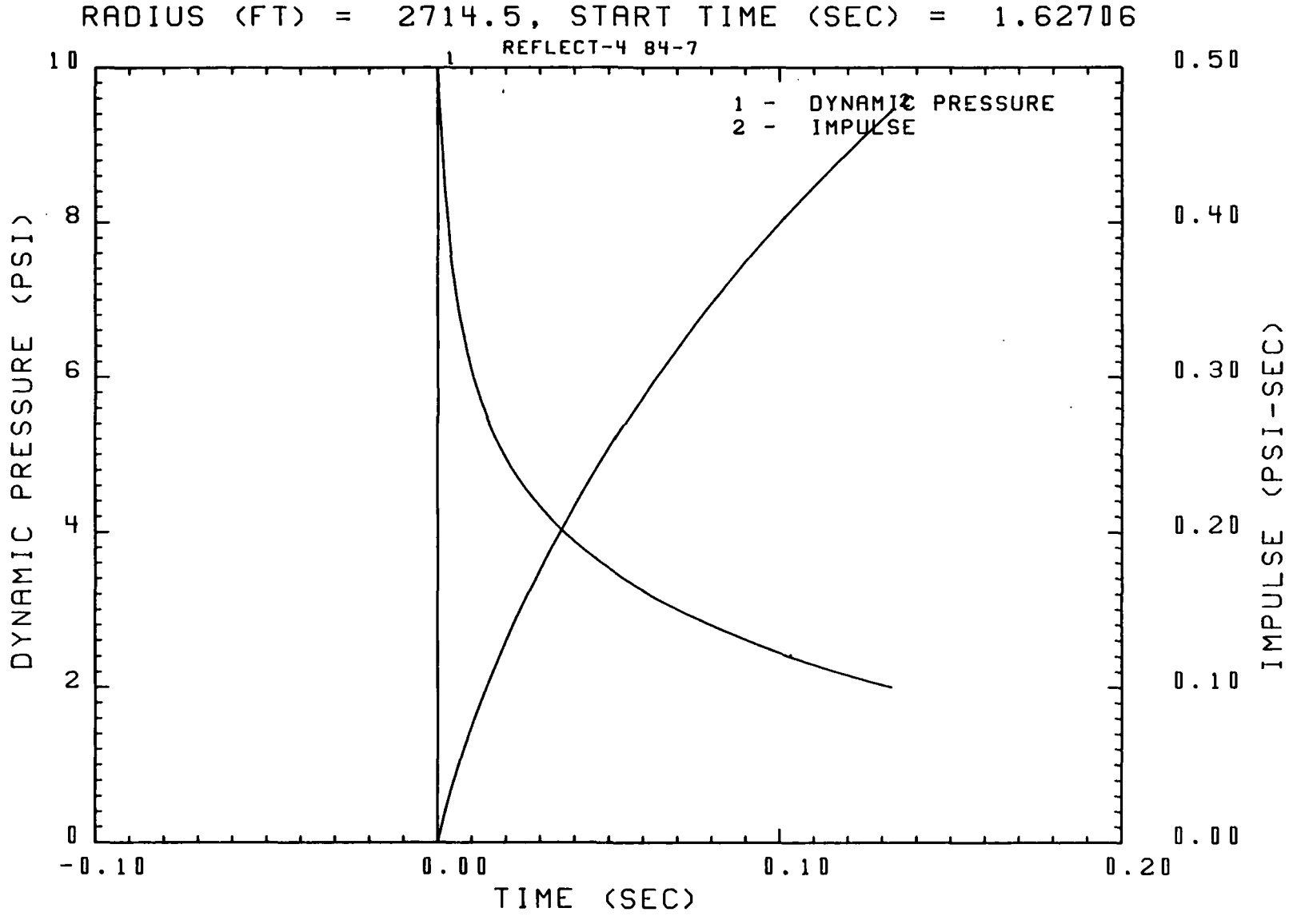

RADIUS (FT) = 2280.0, START TIME (SEC) = 1.38063
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
15
10
5
0
1
0
-1
1
2

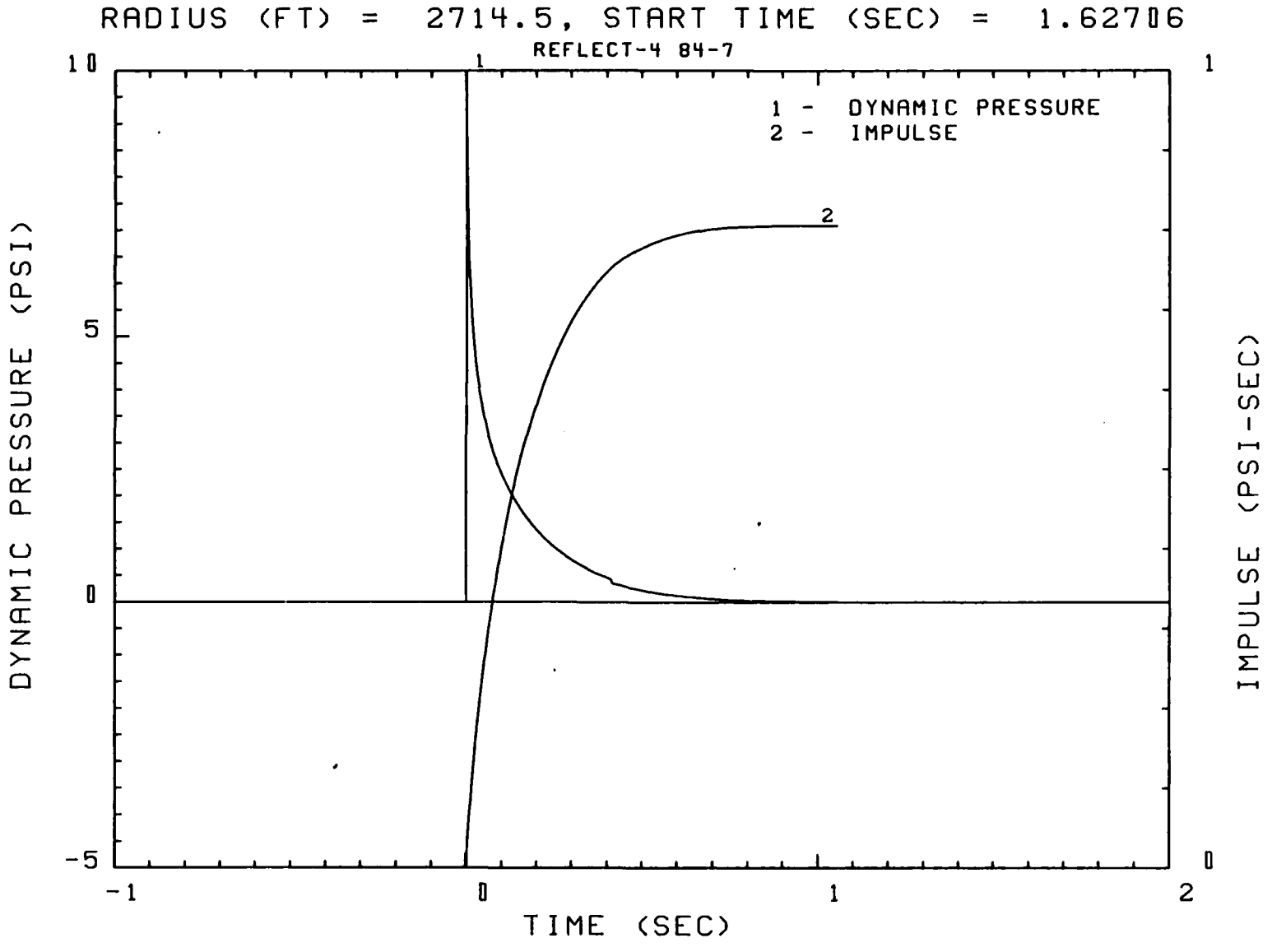

RADIUS (FT) = 2290.1, START TIME (SEC) = 1.38609
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10

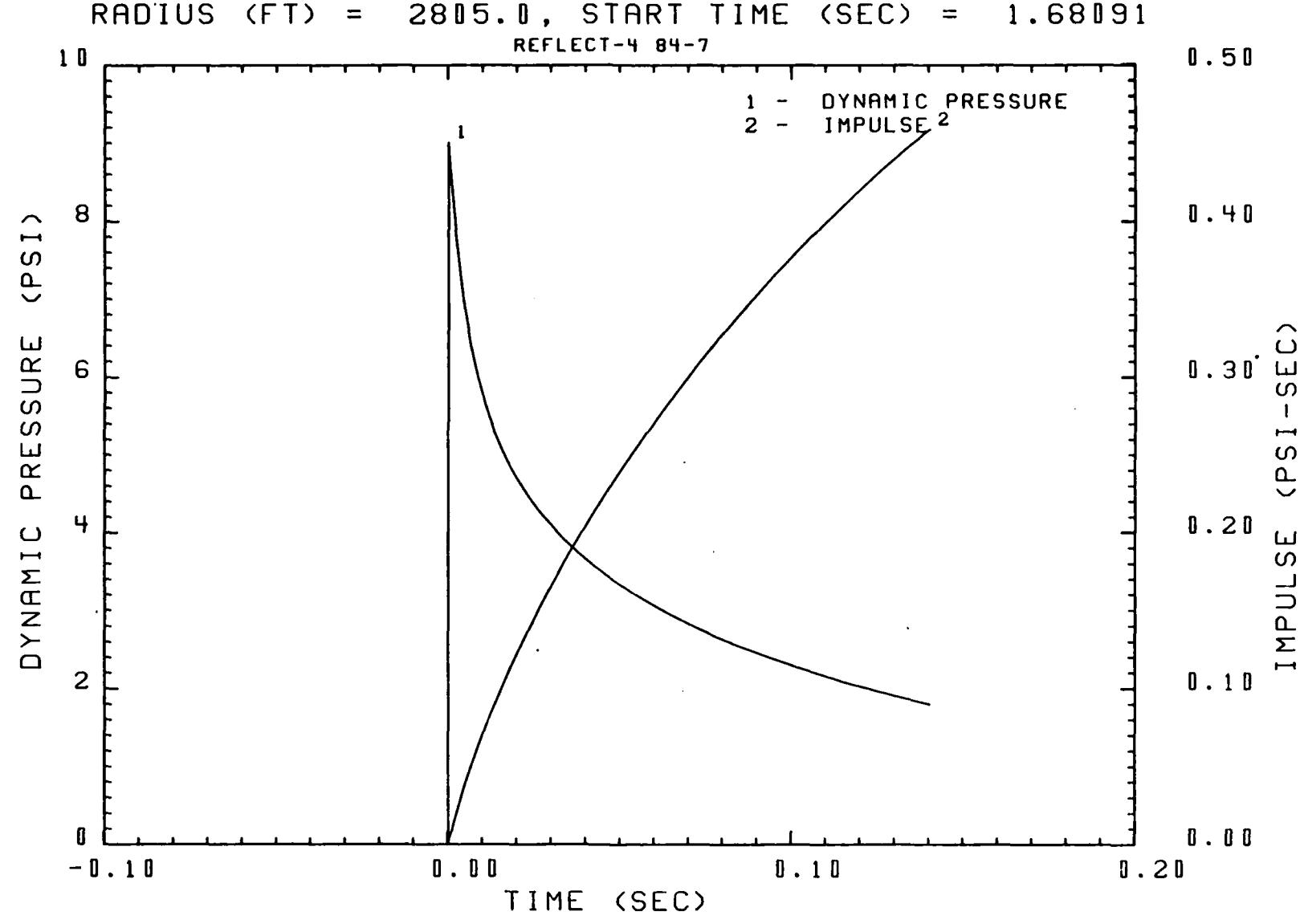

RADIUS (FT) = 2290.1, START TIME (SEC) = 1.38609
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
1
0
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60

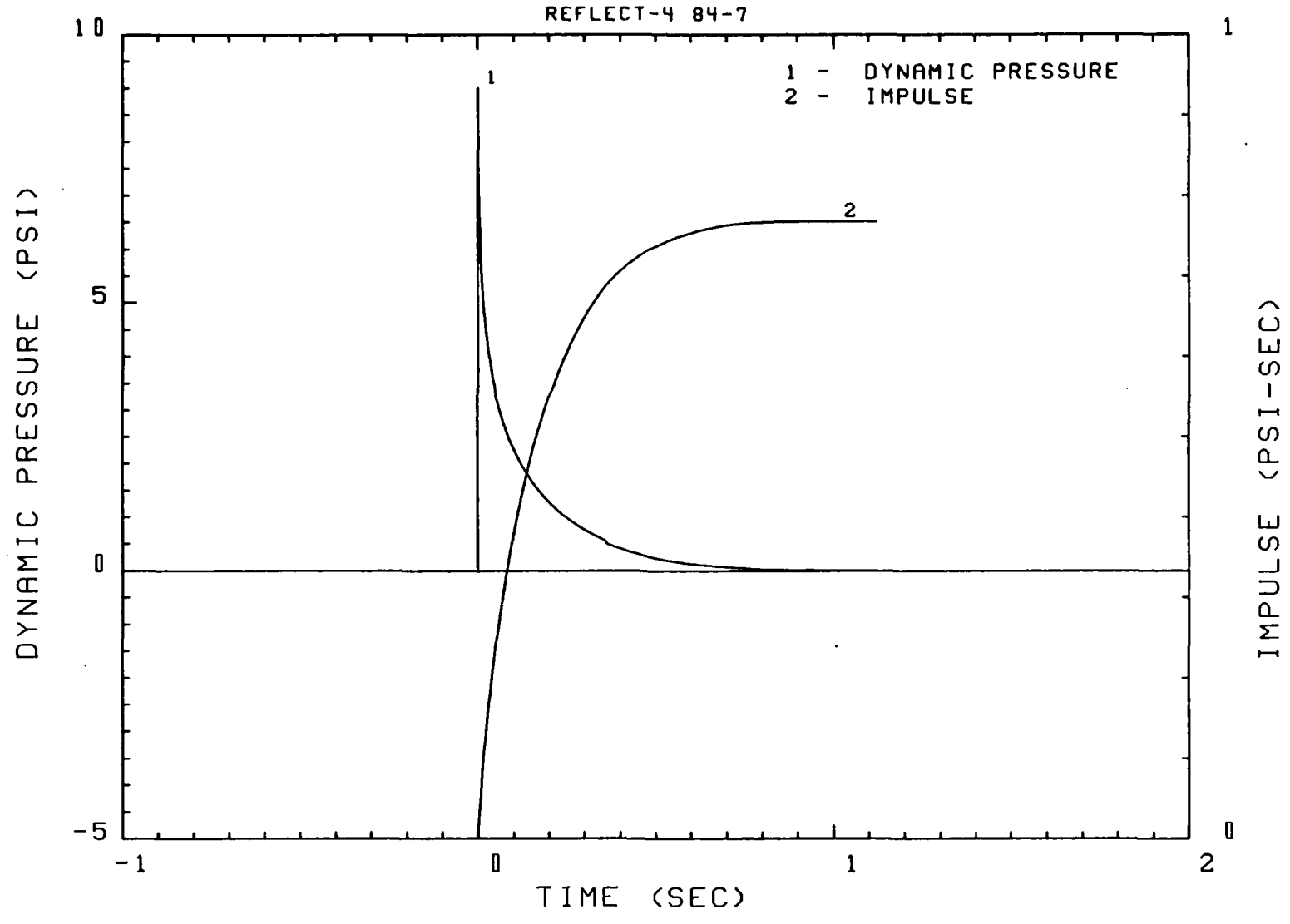

RADIUS (FT) = 2347.6, START TIME (SEC) = 1.41750
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
1
2

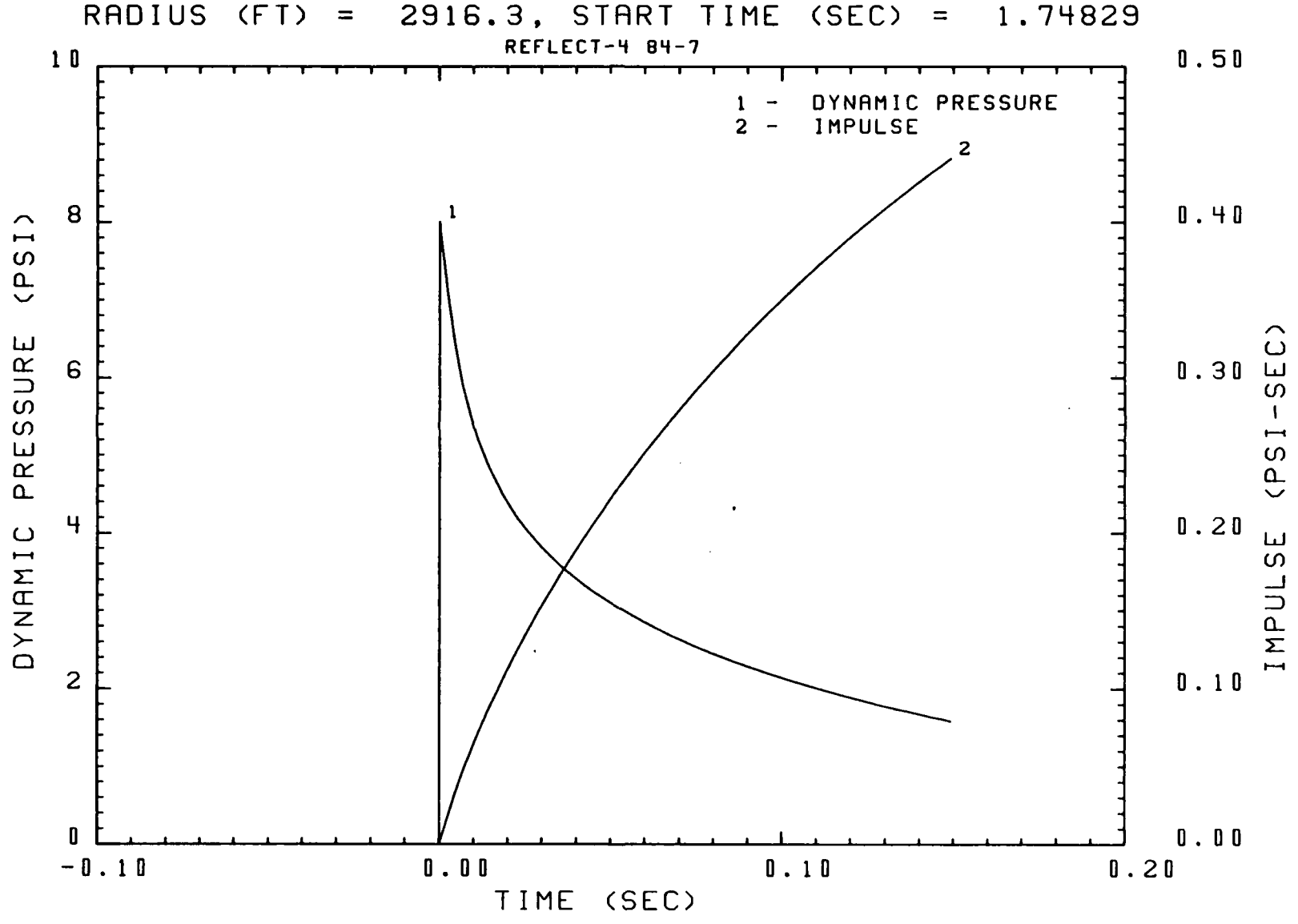

RADIUS (FT) = 2347.6, START TIME (SEC) = 1.41750
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
20
15
10
5
0
1
0
-1
1
2

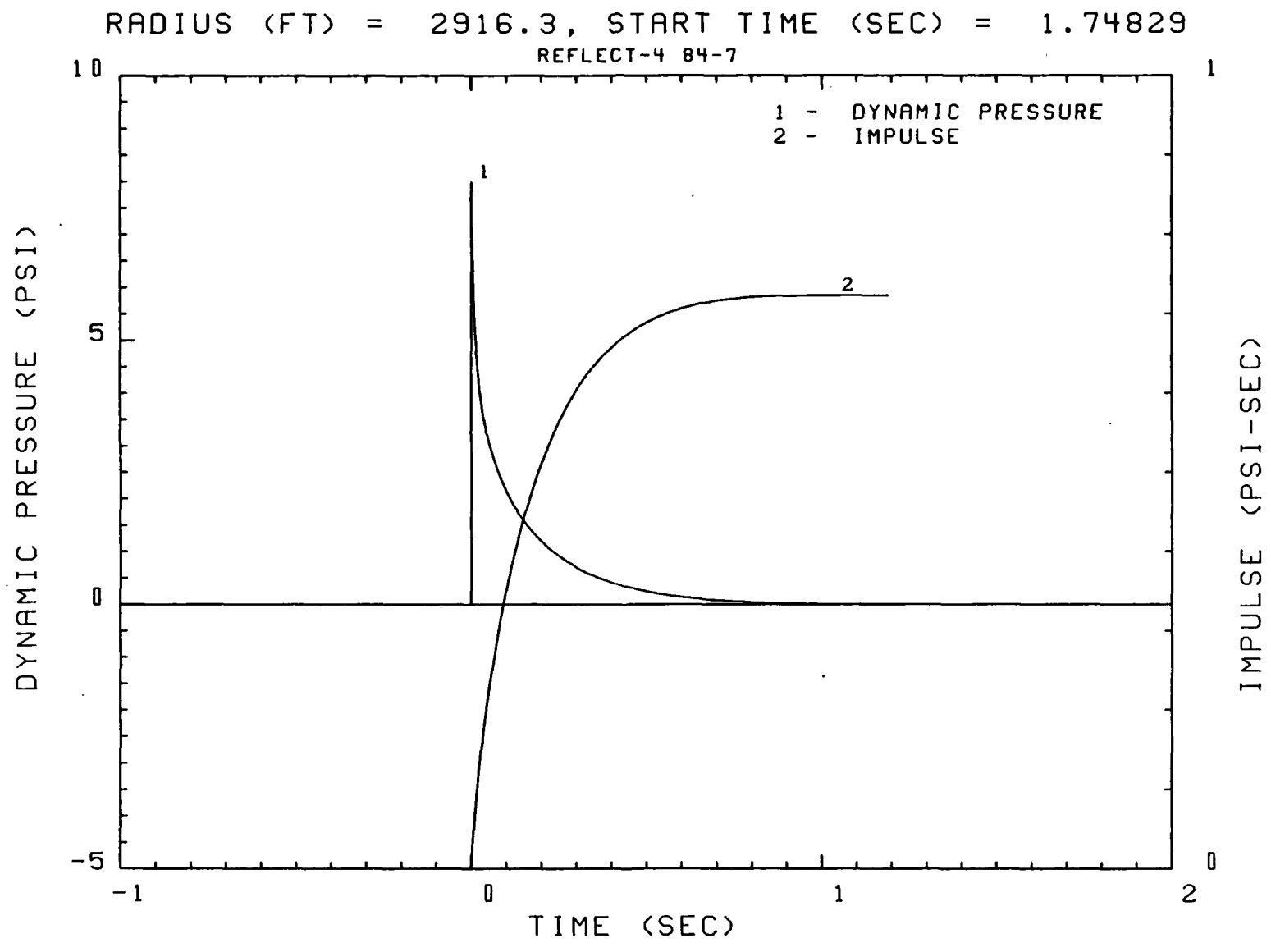

RADIUS (FT) = 2714.5, START TIME (SEC) = 1.62706
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20

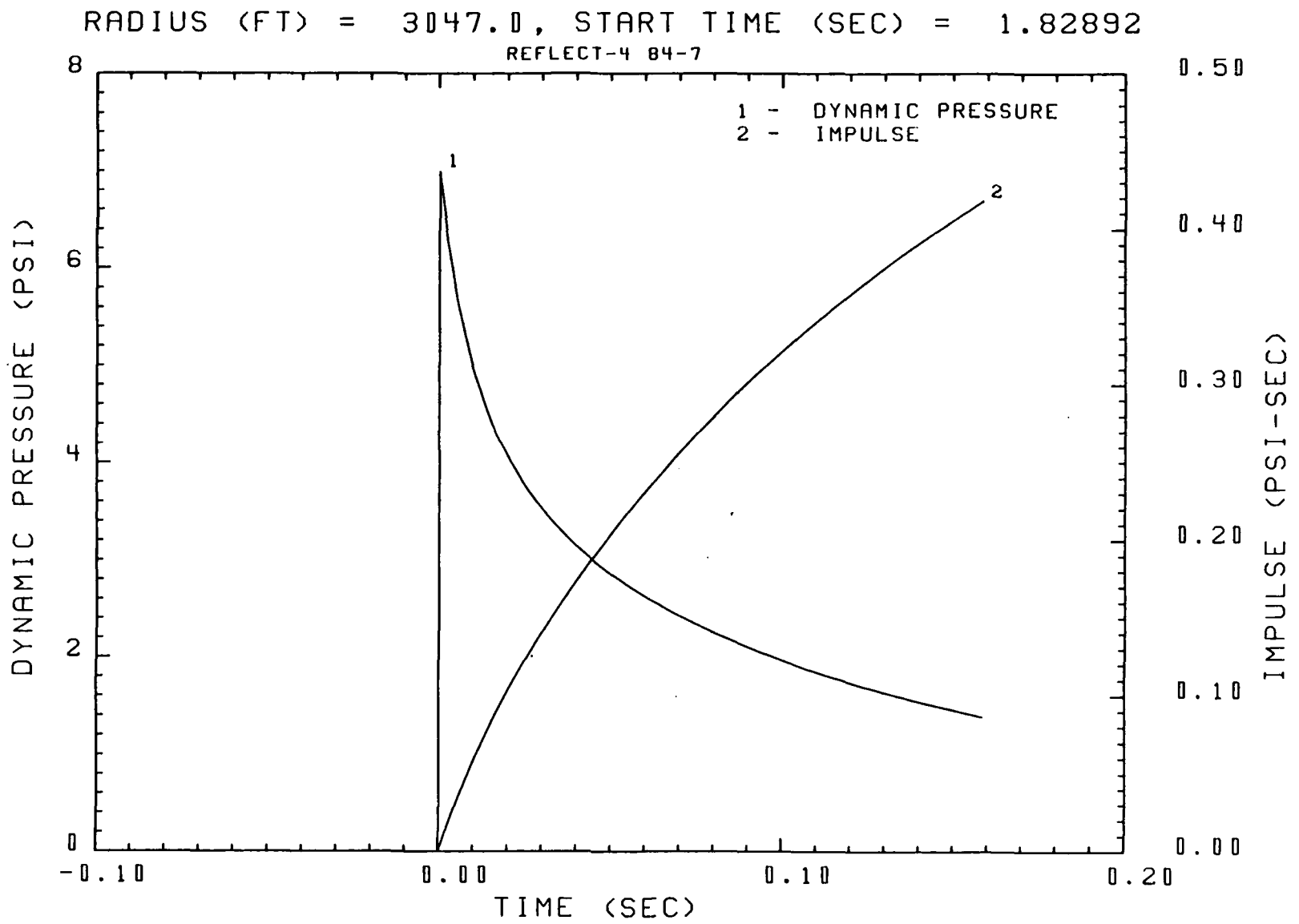

RADIUS (FT) = 2714.5, START TIME (SEC) = 1.62706
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
1
0
-1
2

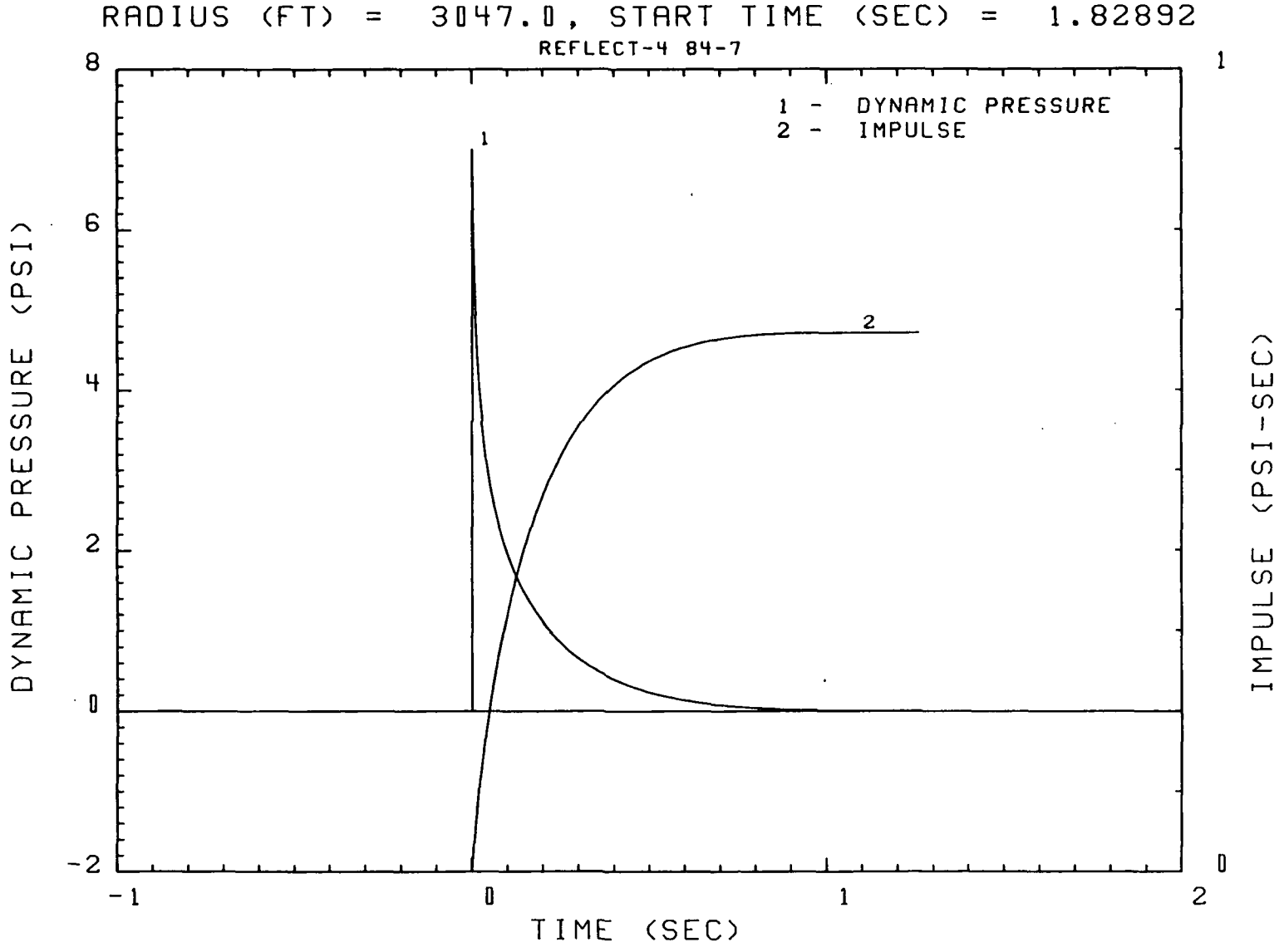

RADIUS (FT) = 2805.0, START TIME (SEC) = 1.68091
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
1
2
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20

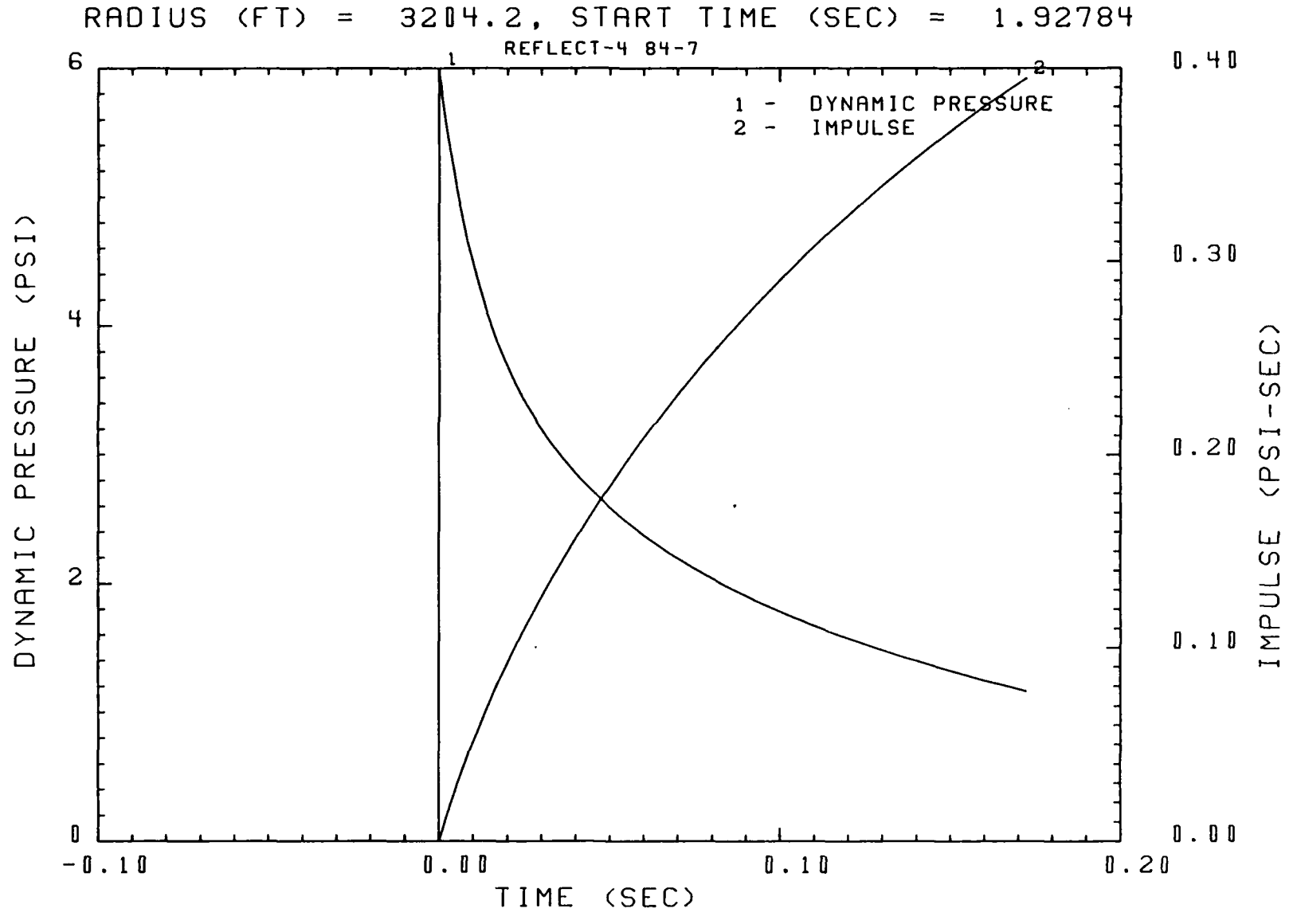

RADIUS (FT) = 2805.0, START TIME (SEC) = 1.68091
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
1
0
-1
2

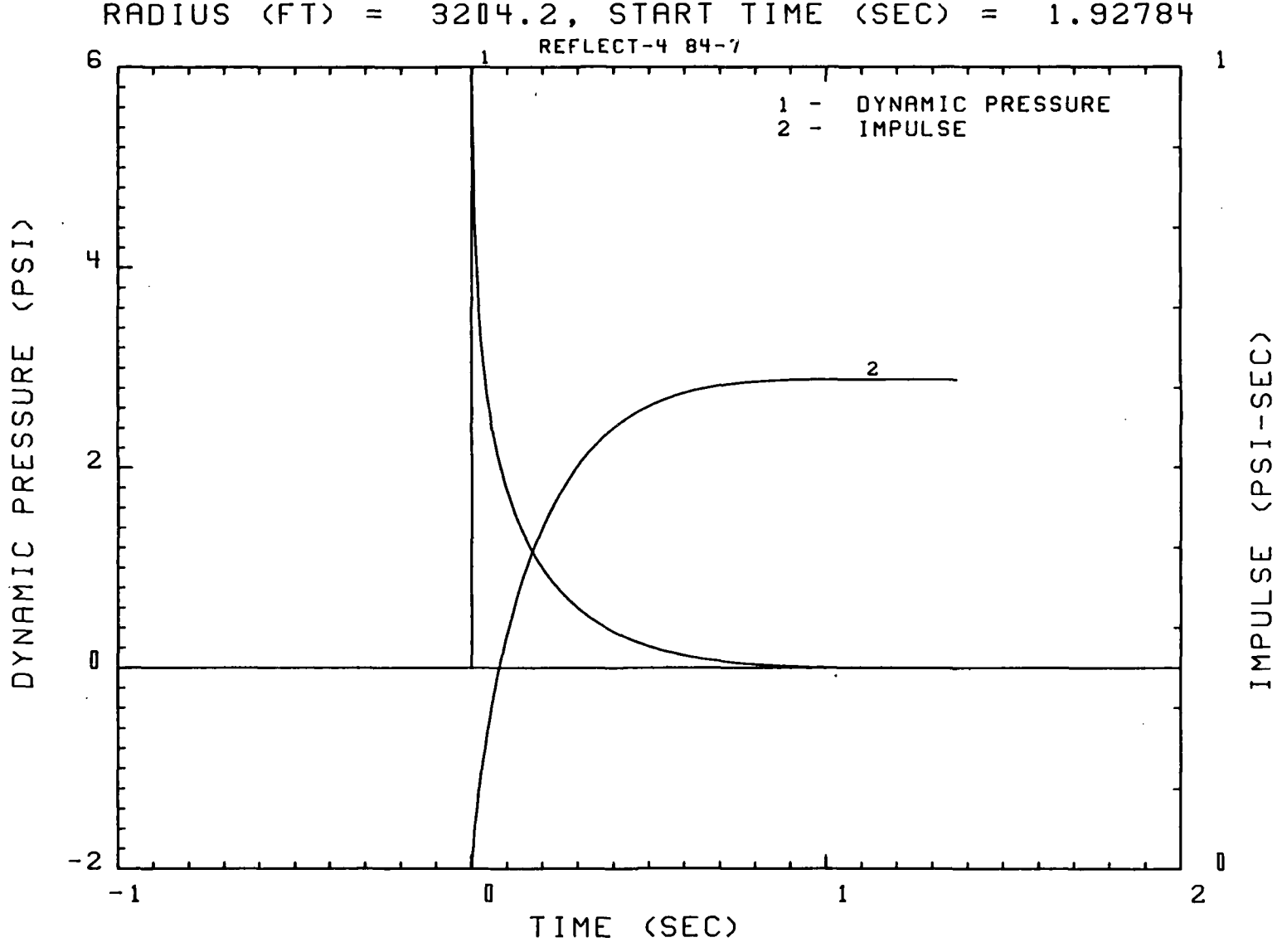

RADIUS (FT) = 2916.3, START TIME (SEC) = 1.74829
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
1
2
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
8
6
4
2
0
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20

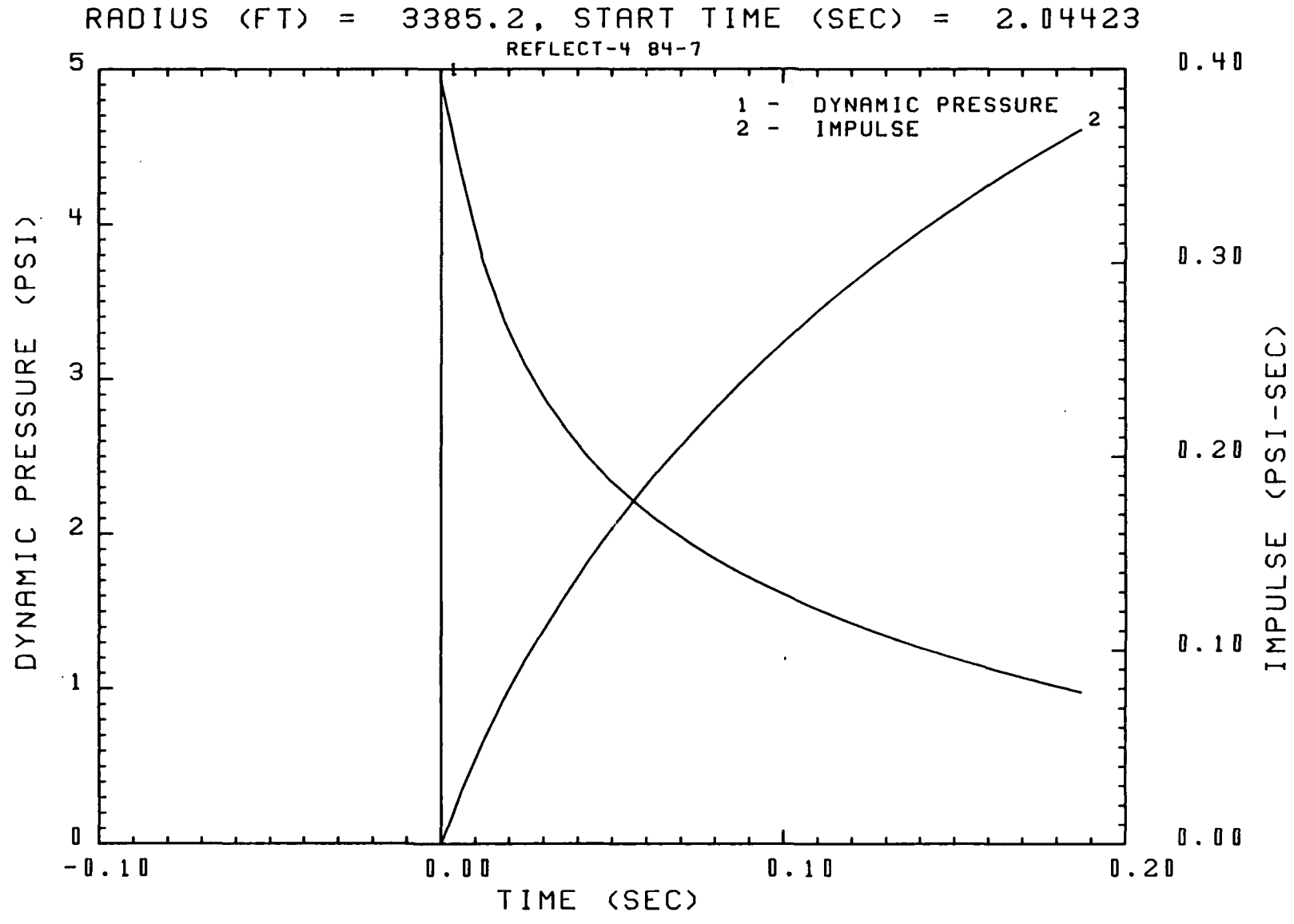

RADIUS (FT) = 2916.3, START TIME (SEC) = 1.74829
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
10
5
0
-5
1
0
-1
2

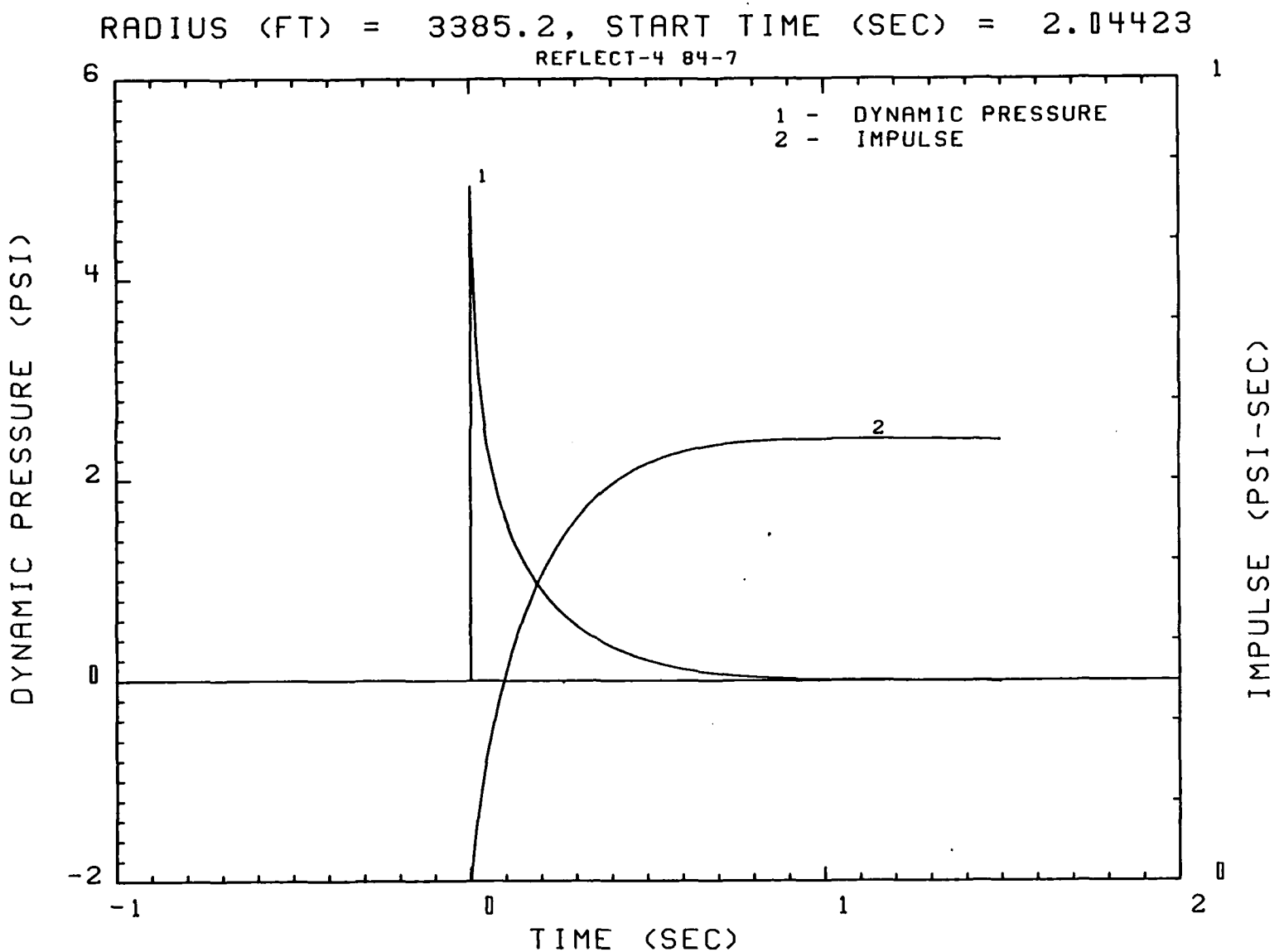

RADIUS (FT) = 3047.0, START TIME (SEC) = 1.82892
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
2
4
6
8
0.00
0.10
0.20
0.30
0.40
0.50
-0.10
0.00
0.10
0.20

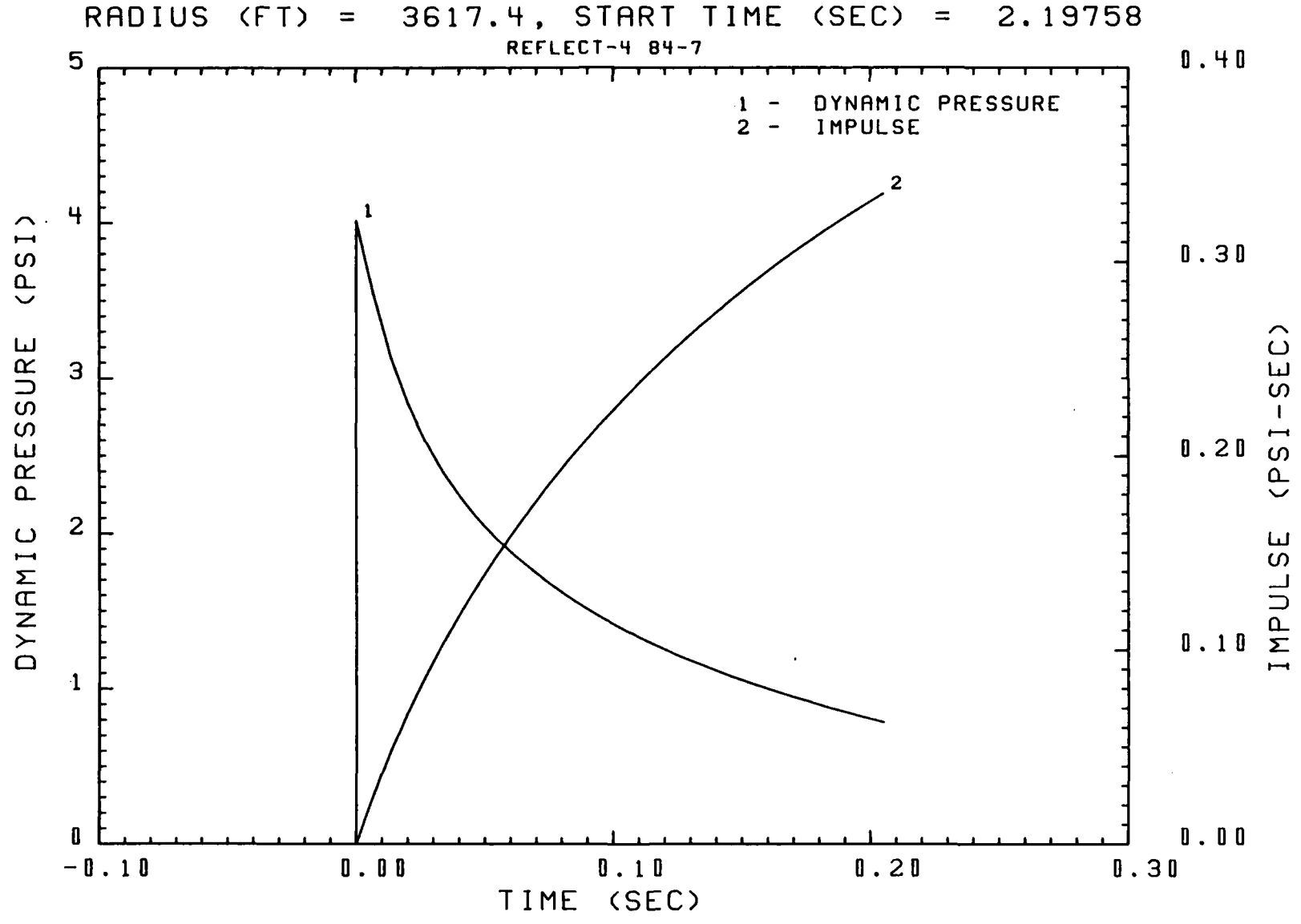

RADIUS (FT) = 3047.0, START TIME (SEC) = 1.82892
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
8
6
4
2
0
-2
1
0
-1
2

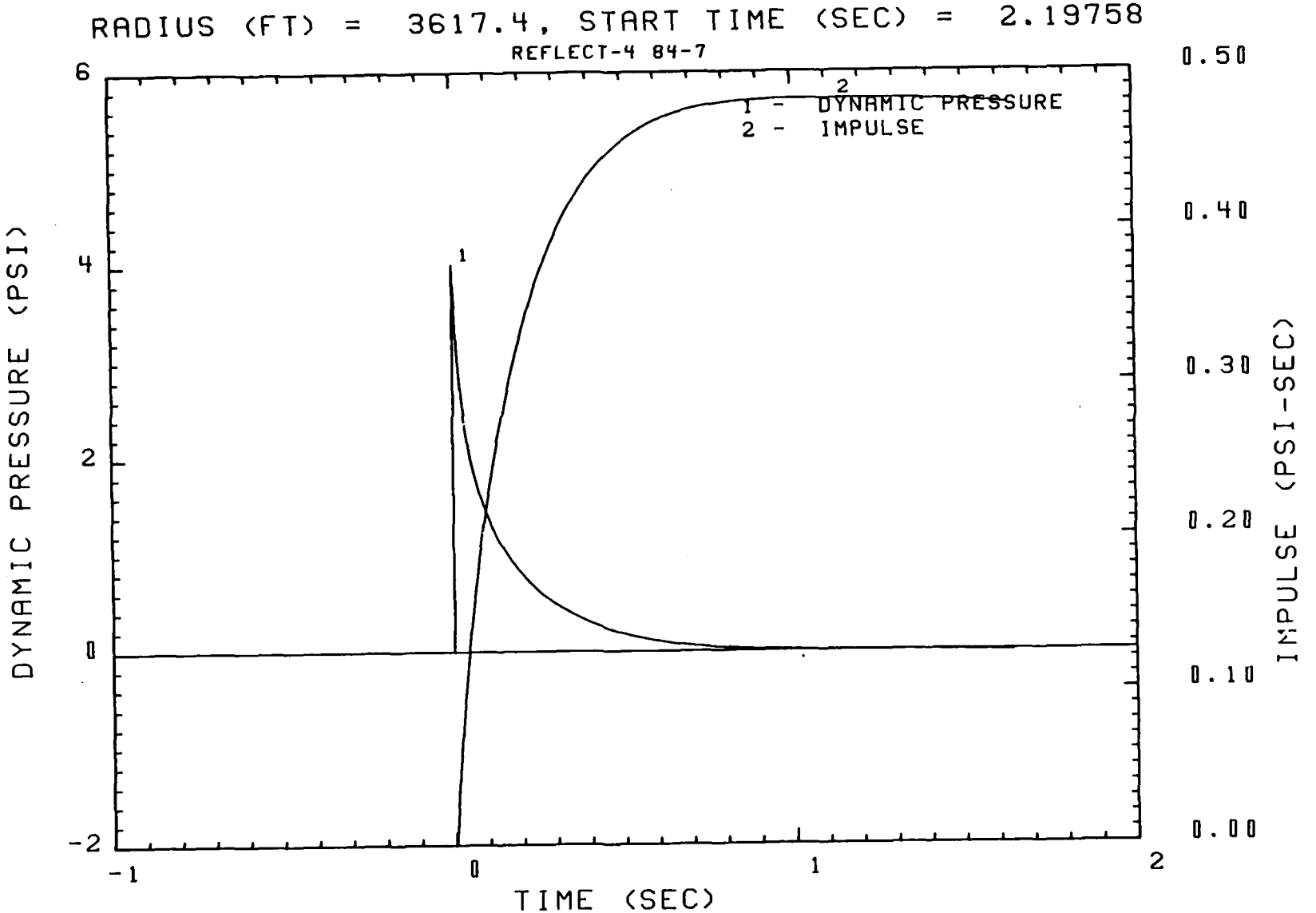

RADIUS (FT) = 3204.2, START TIME (SEC) = 1.92784
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20

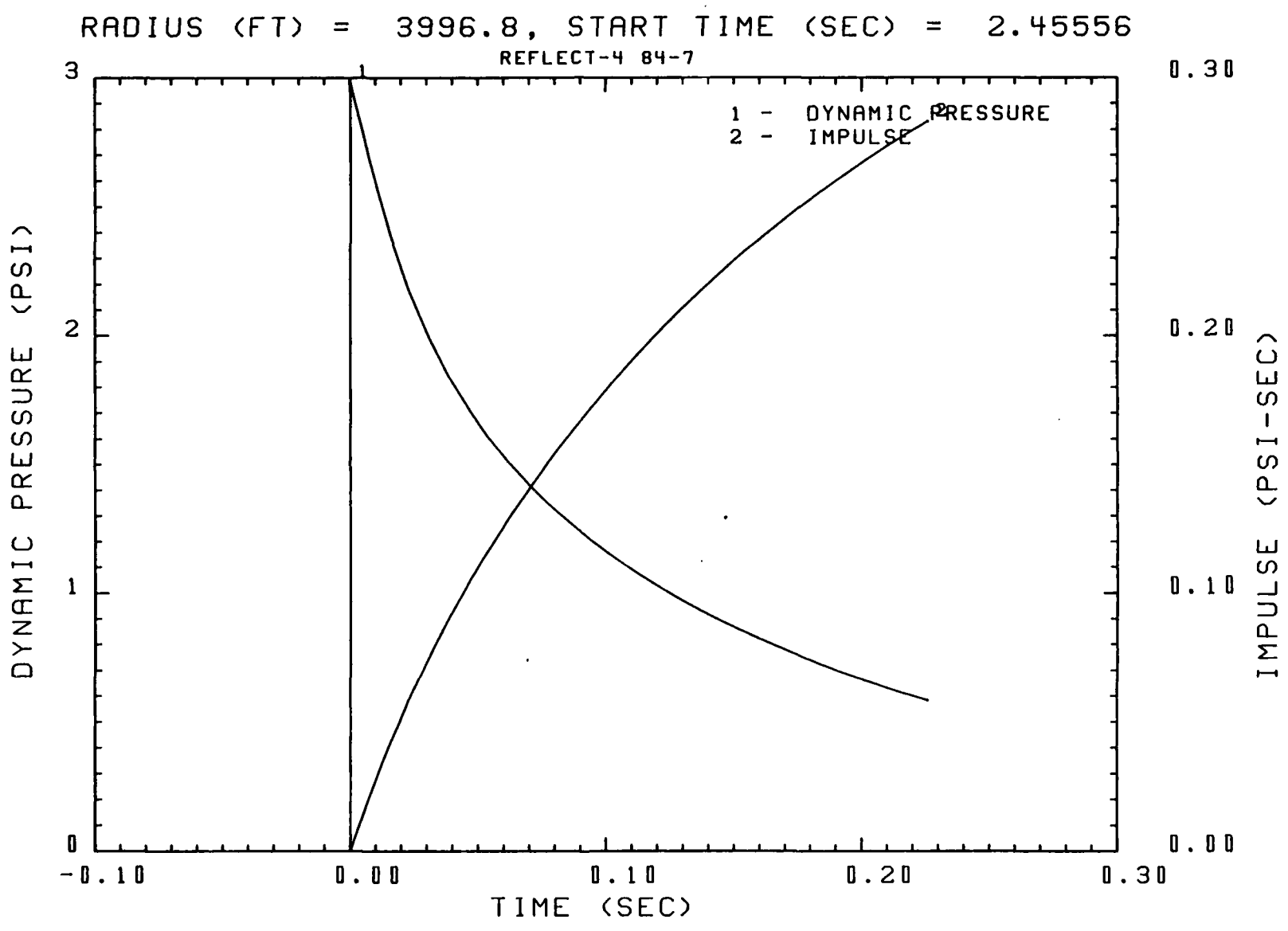

RADIUS (FT) = 3204.2, START TIME (SEC) = 1.92784
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
1
0
-1
2

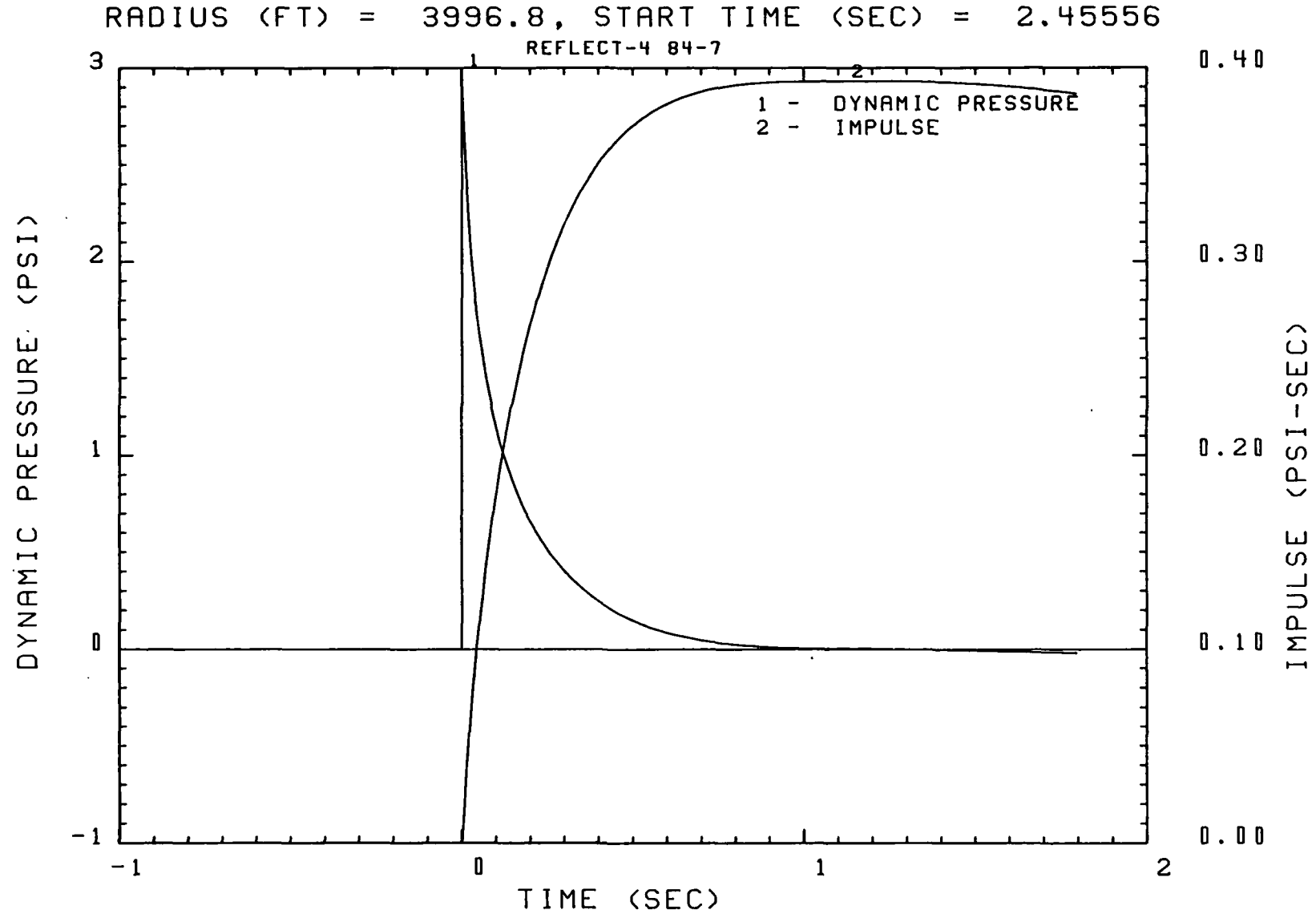

RADIUS (FT) = 3385.2, START TIME (SEC) = 2.04423
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
2
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
5
4
3
2
1
0
0.40
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20

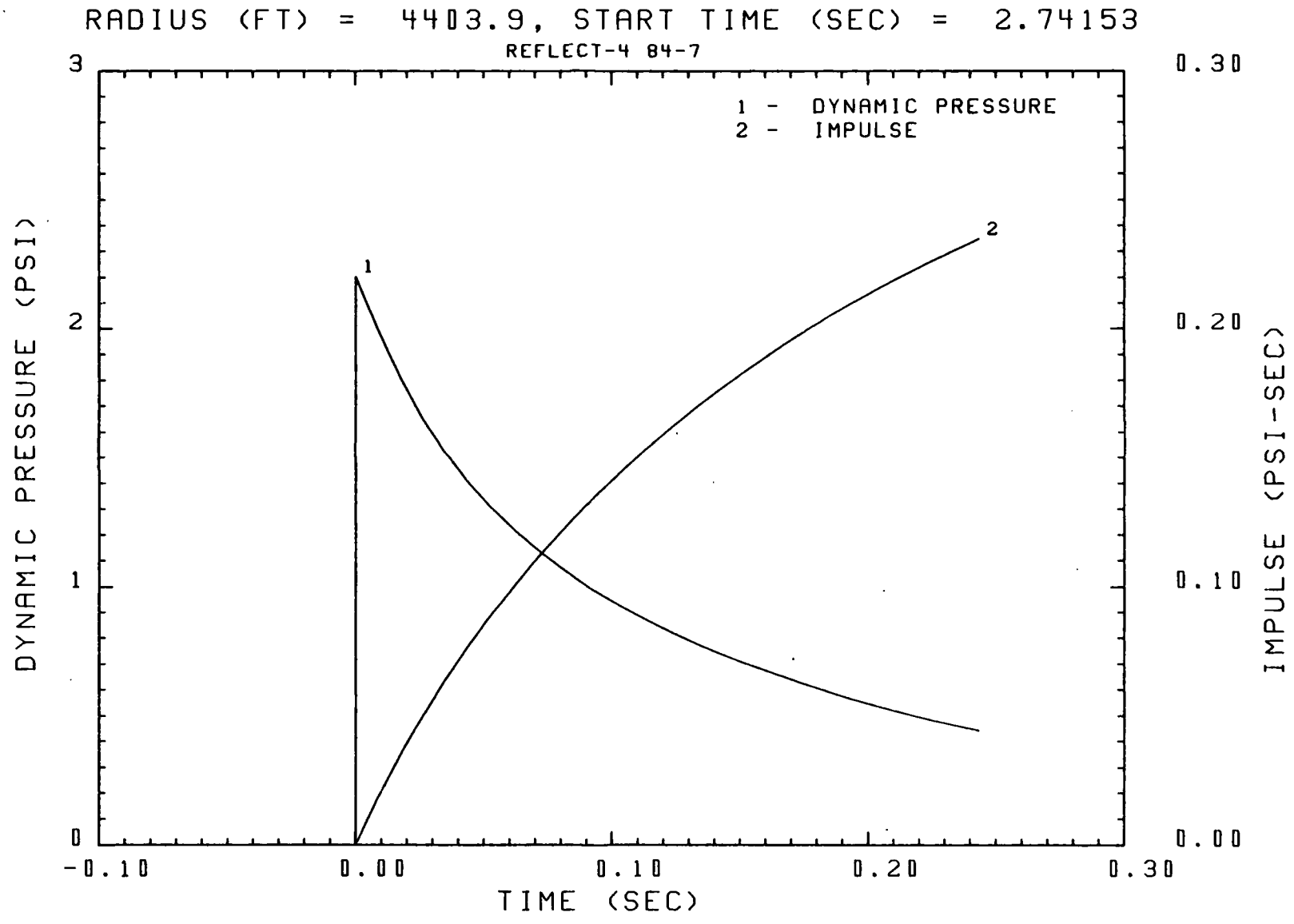

RADIUS (FT) = 3385.2, START TIME (SEC) = 2.04423
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
1
0
-1
2

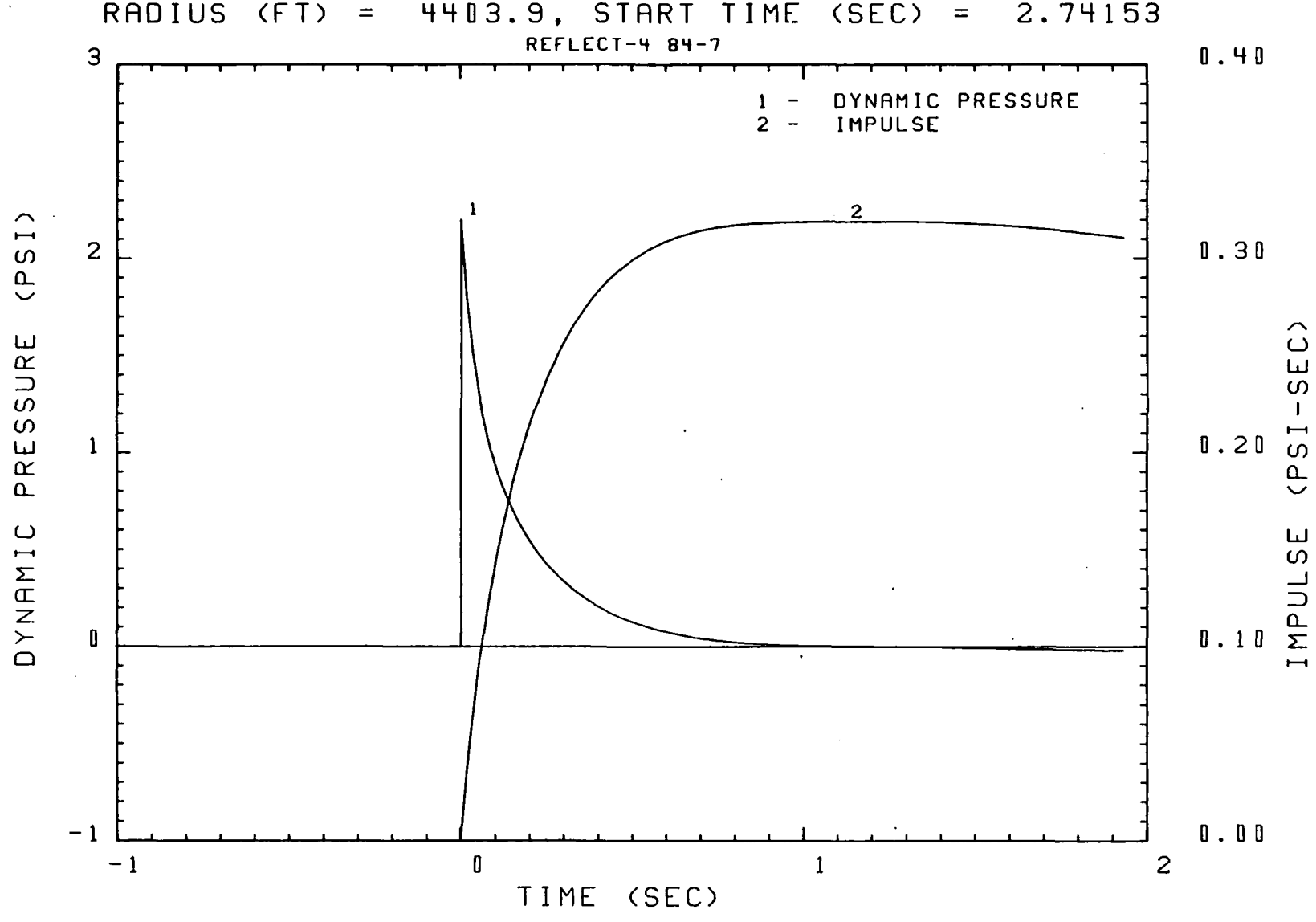

RADIUS (FT) = 3617.4, START TIME (SEC) = 2.19758
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0
1
2
3
4
5
0.00
0.10
0.20
0.30
0.40
-0.10
0.00
0.10
0.20
0.30

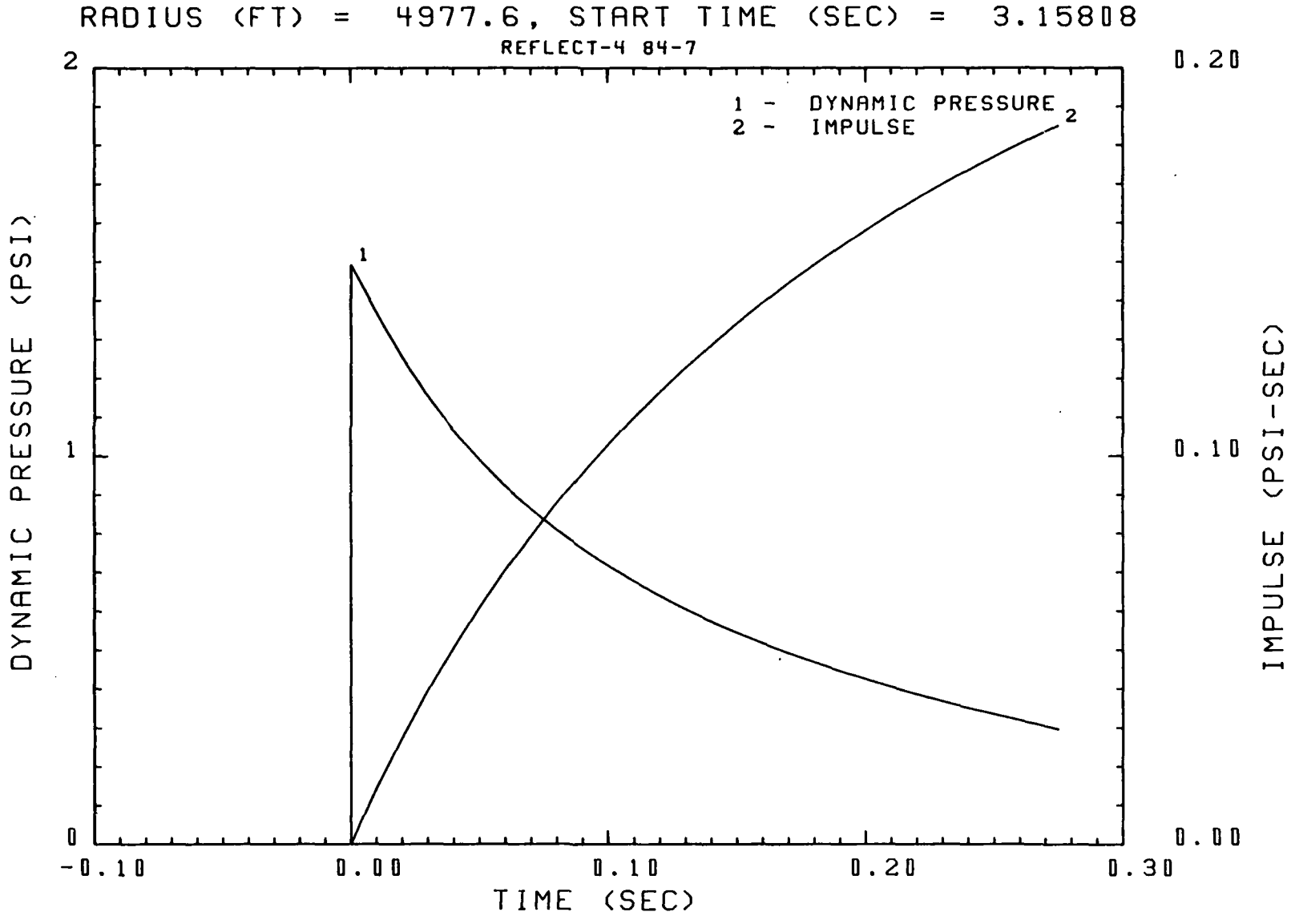

RADIUS (FT) = 3617.4, START TIME (SEC) = 2.19758
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
6
4
2
0
-2
-1
0
1
2
0.50
0.40
0.30
0.20
0.10
0.00

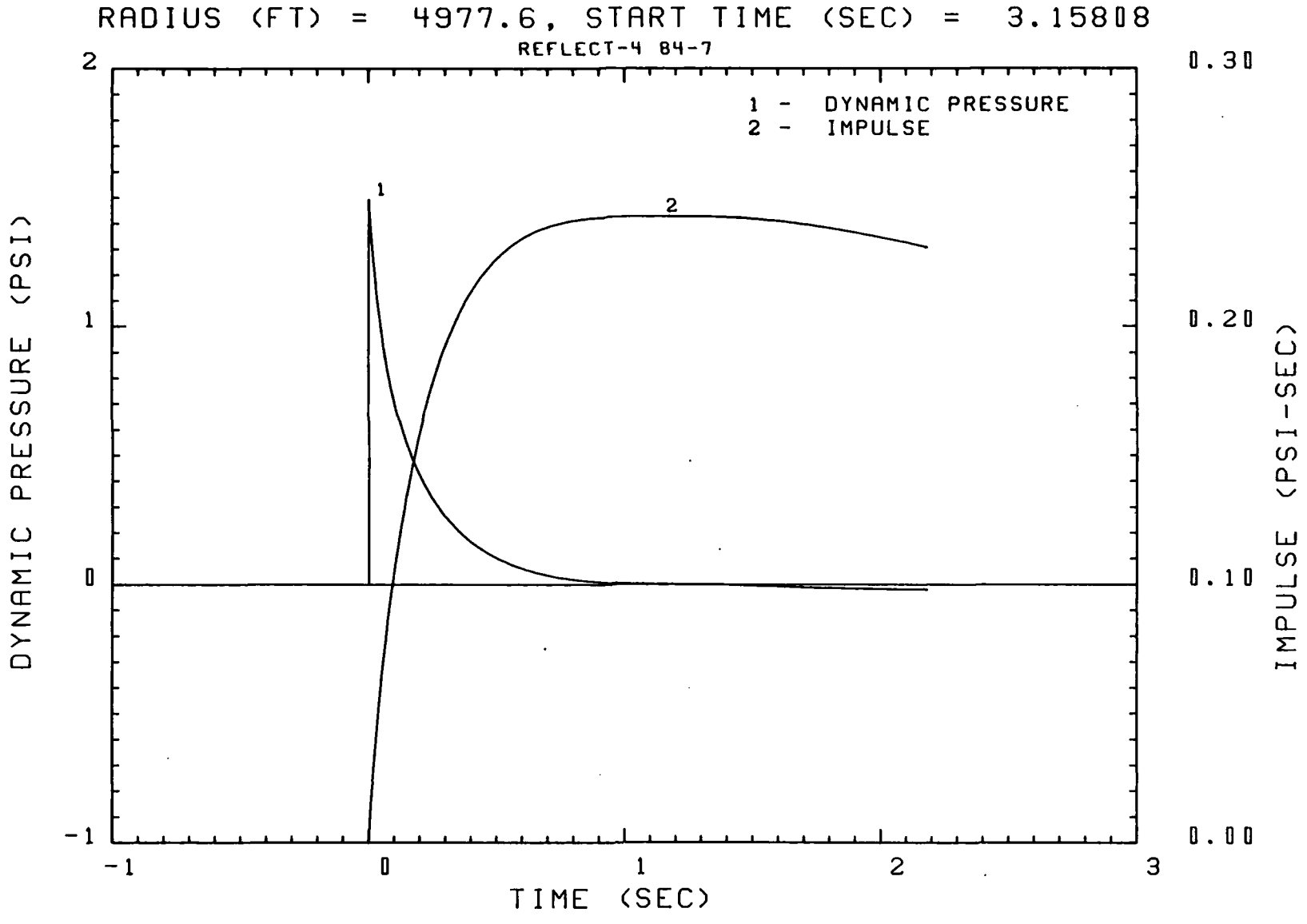

RADIUS (FT) = 3996.8, START TIME (SEC) = 2.45556
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30

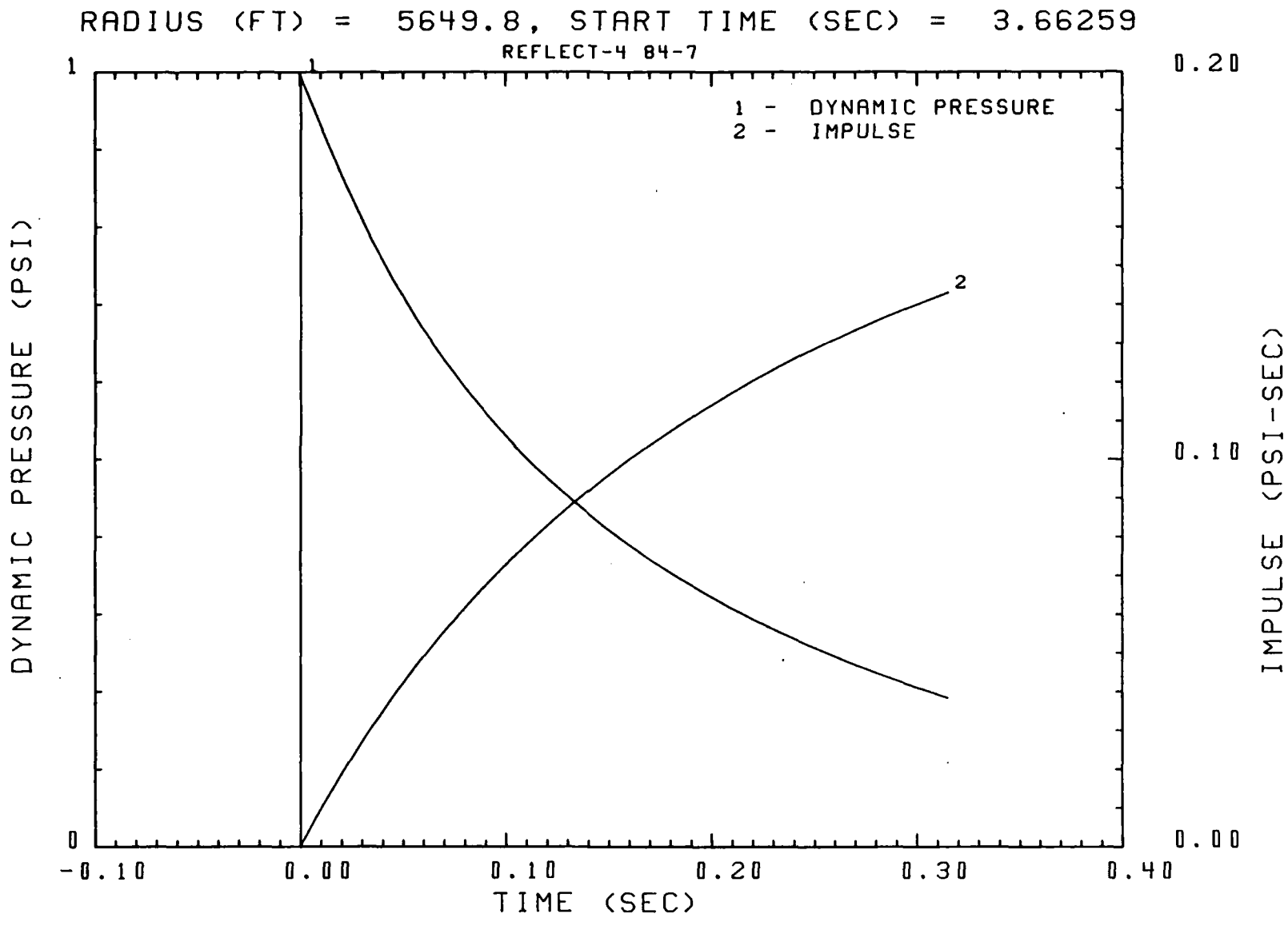

RADIUS (FT) = 3996.8, START TIME (SEC) = 2.45556
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
0.40
0.30
0.20
0.10
0.00
-1
0
1
2

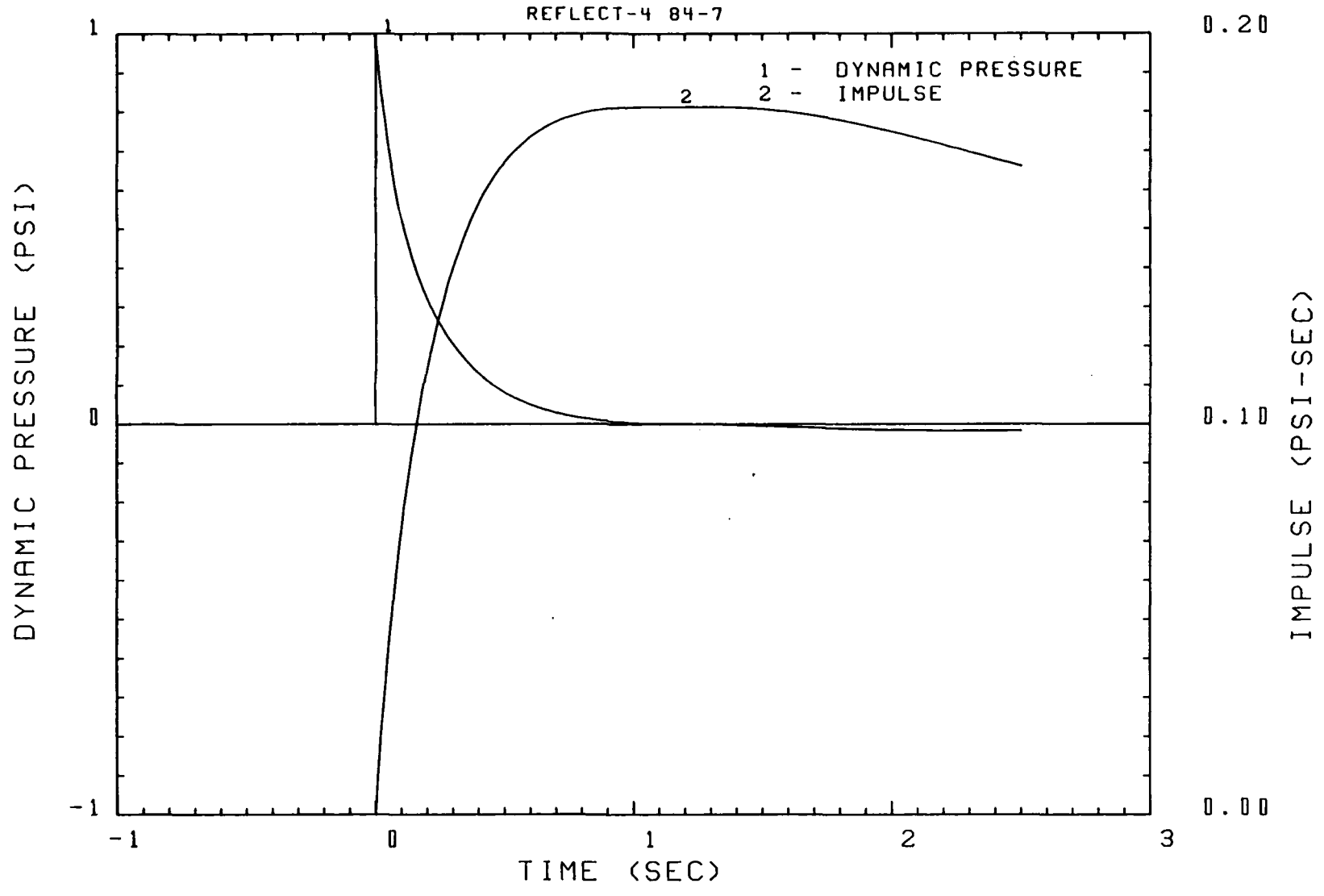

RADIUS (FT) = 4403.9, START TIME (SEC) = 2.74153
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
0.30
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
1
2

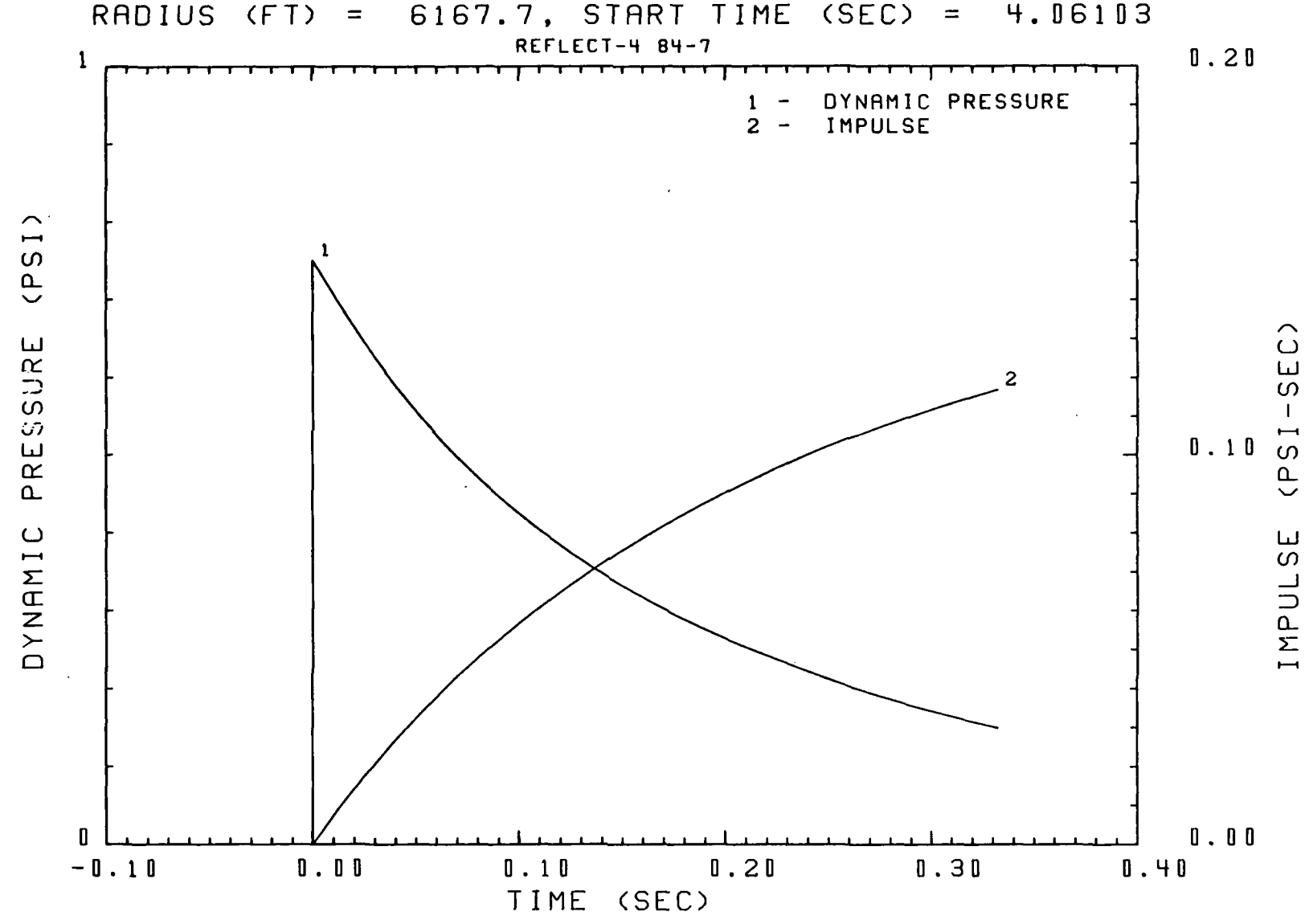

RADIUS (FT) = 4403.9, START TIME (SEC) = 2.74153
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
3
2
1
0
-1
0.40
0.30
0.20
0.10
0.00
-1
0
1
2

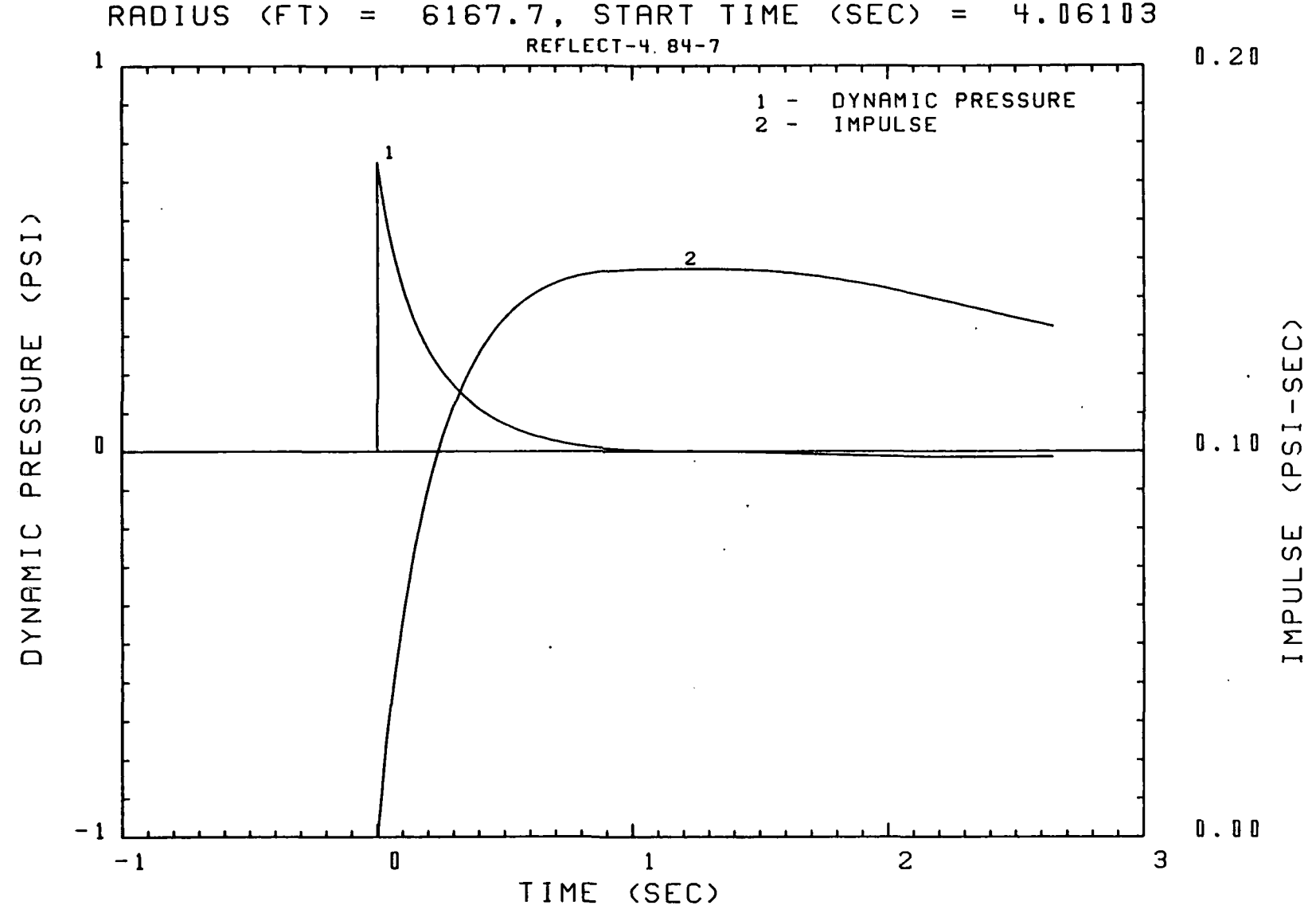

RADIUS (FT) = 4977.6, START TIME (SEC) = 3.15808
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30

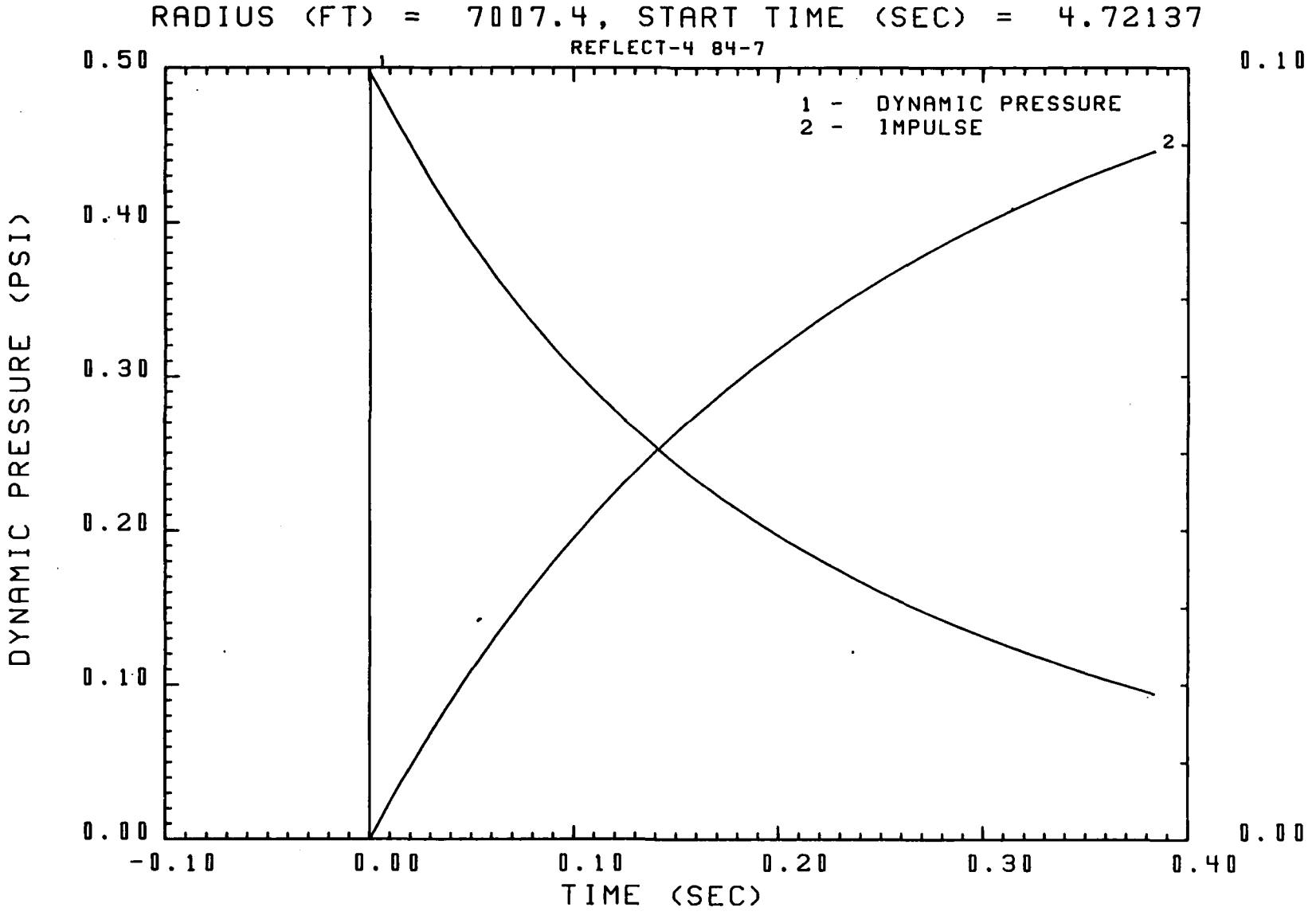

RADIUS (FT) = 4977.6, START TIME (SEC) = 3.15808
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
2
1
0
-1
0.30
0.20
0.10
0.00
-1
0
1
2
3

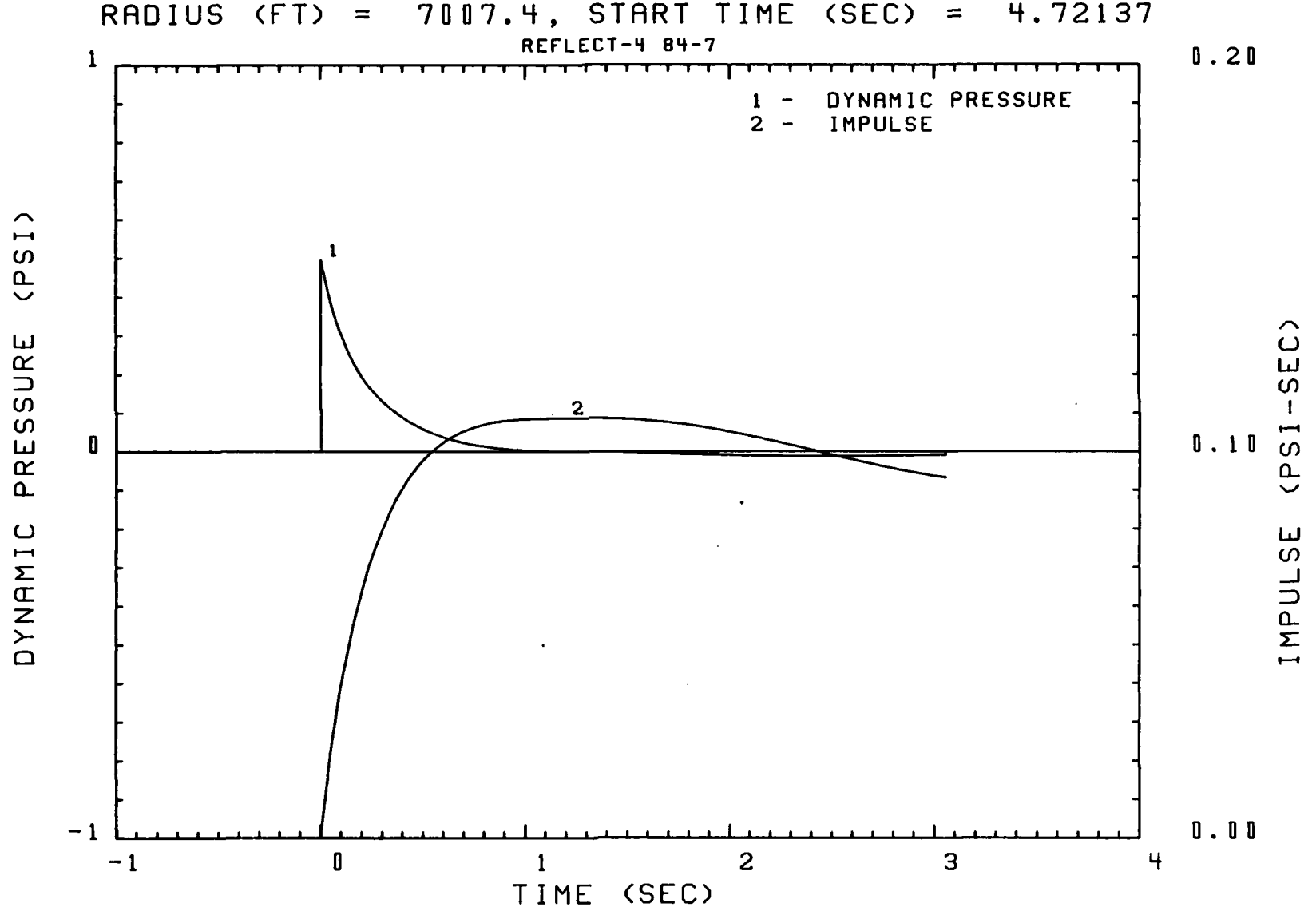

RADIUS (FT) = 5649.8, START TIME (SEC) = 3.66259
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40
2

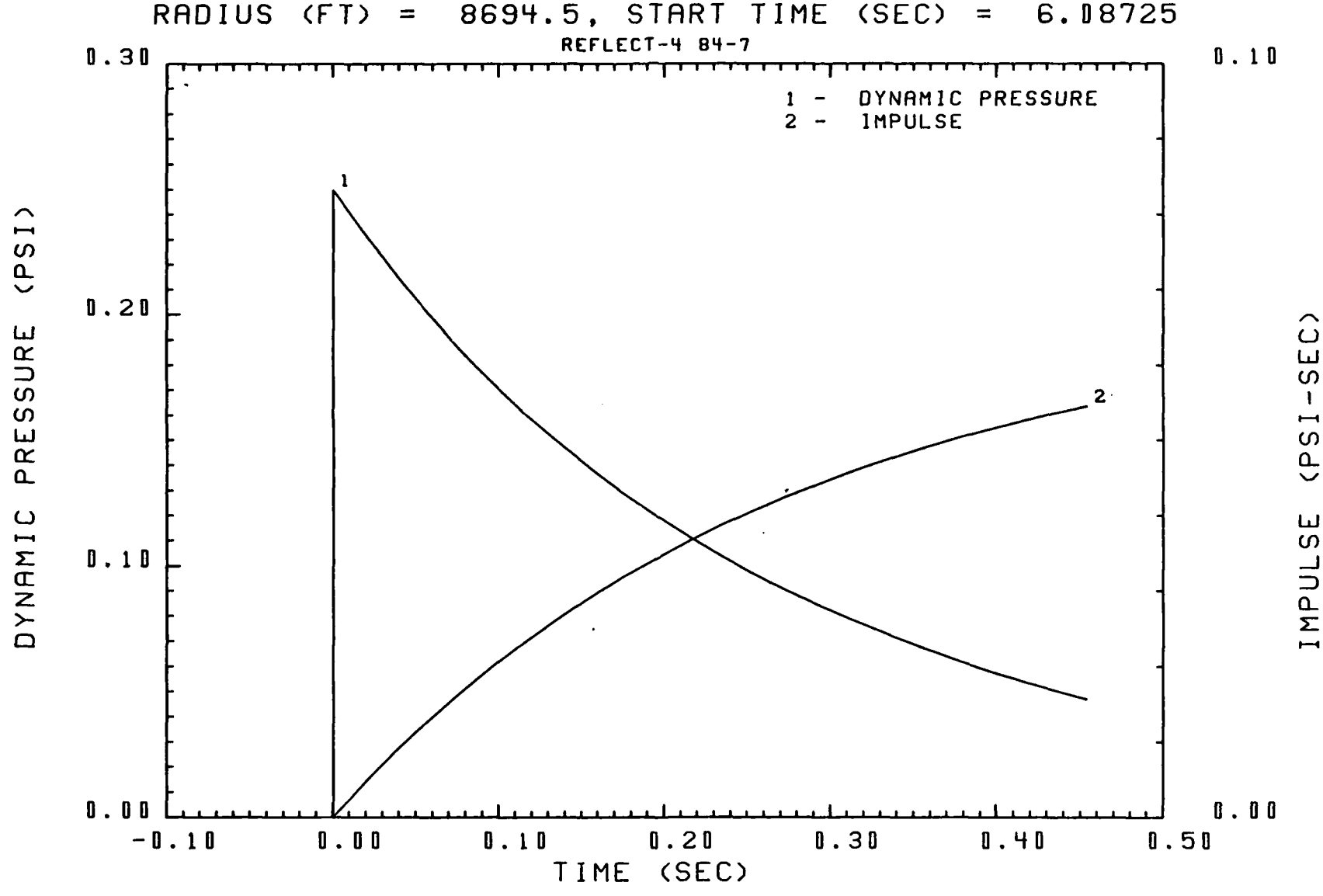

RADIUS (FT) = 5649.8, START TIME (SEC) = 3.66259
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
0.20
0.10
0.00
-1
0
1
2
3

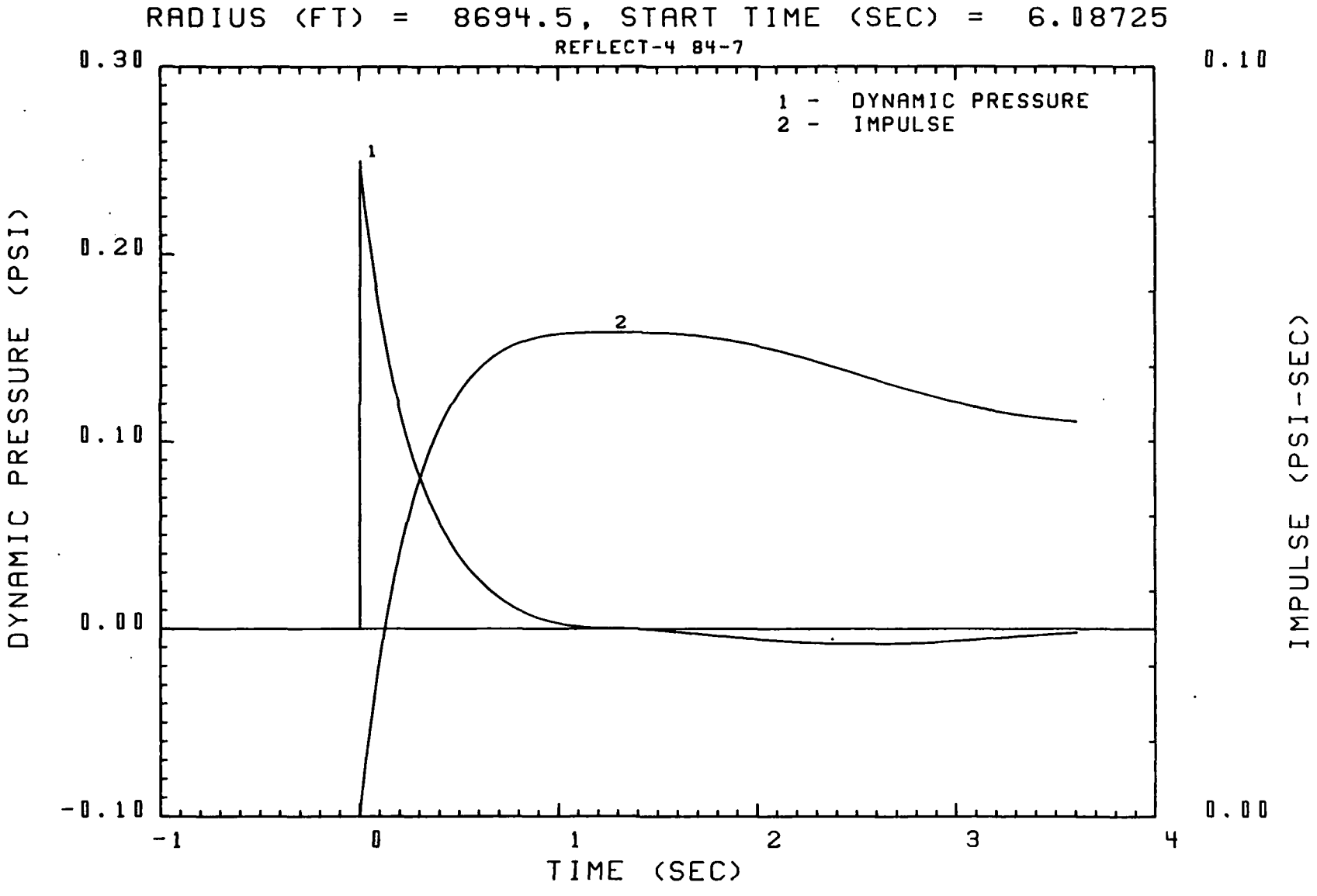

RADIUS (FT) = 6167.7, START TIME (SEC) = 4.06103
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
0.20
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40

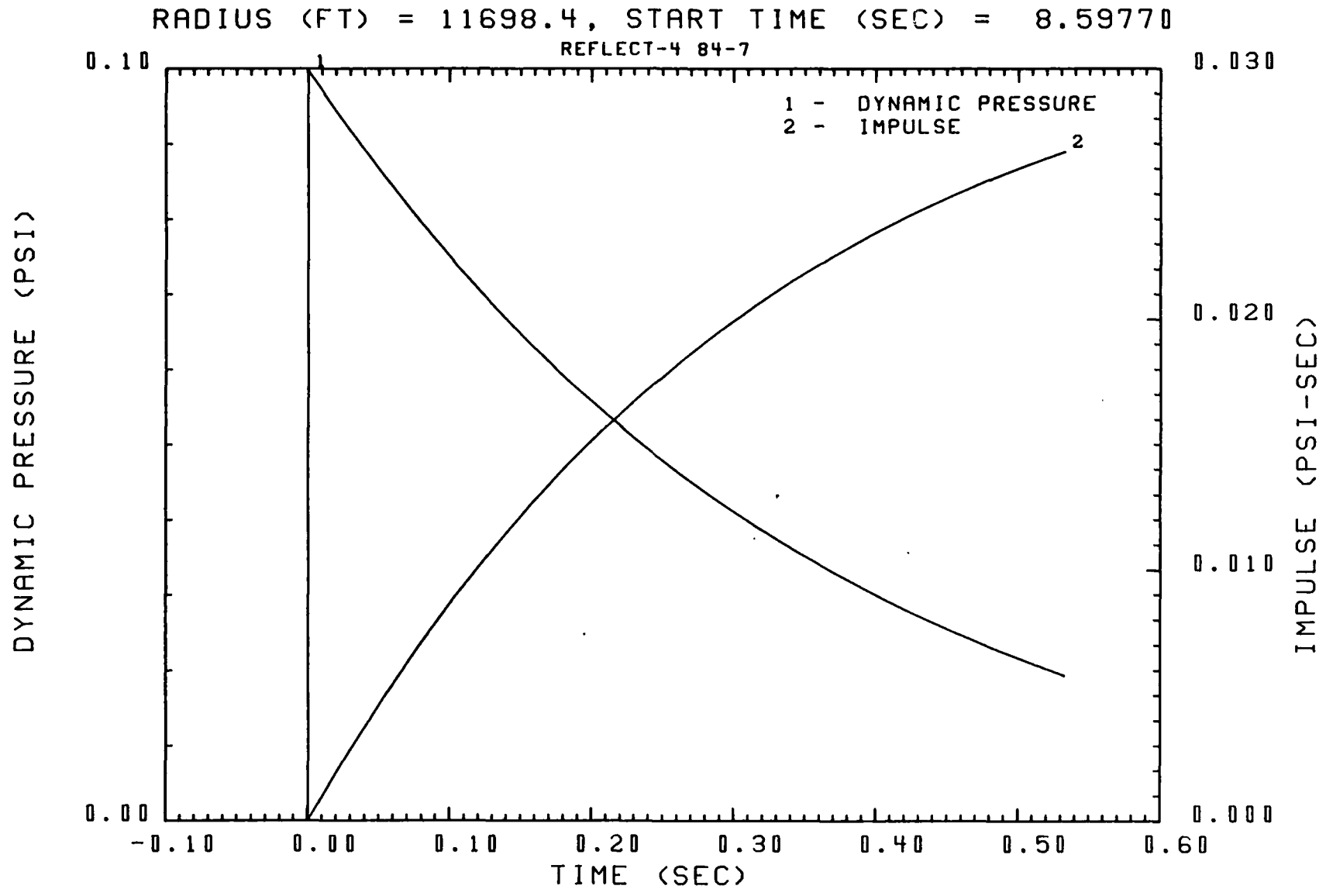

RADIUS (FT) = 6167.7, START TIME (SEC) = 4.06103
REFLECT-4.84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
1
2
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
0.20
0.10
0.00
-1
0
1
2
3

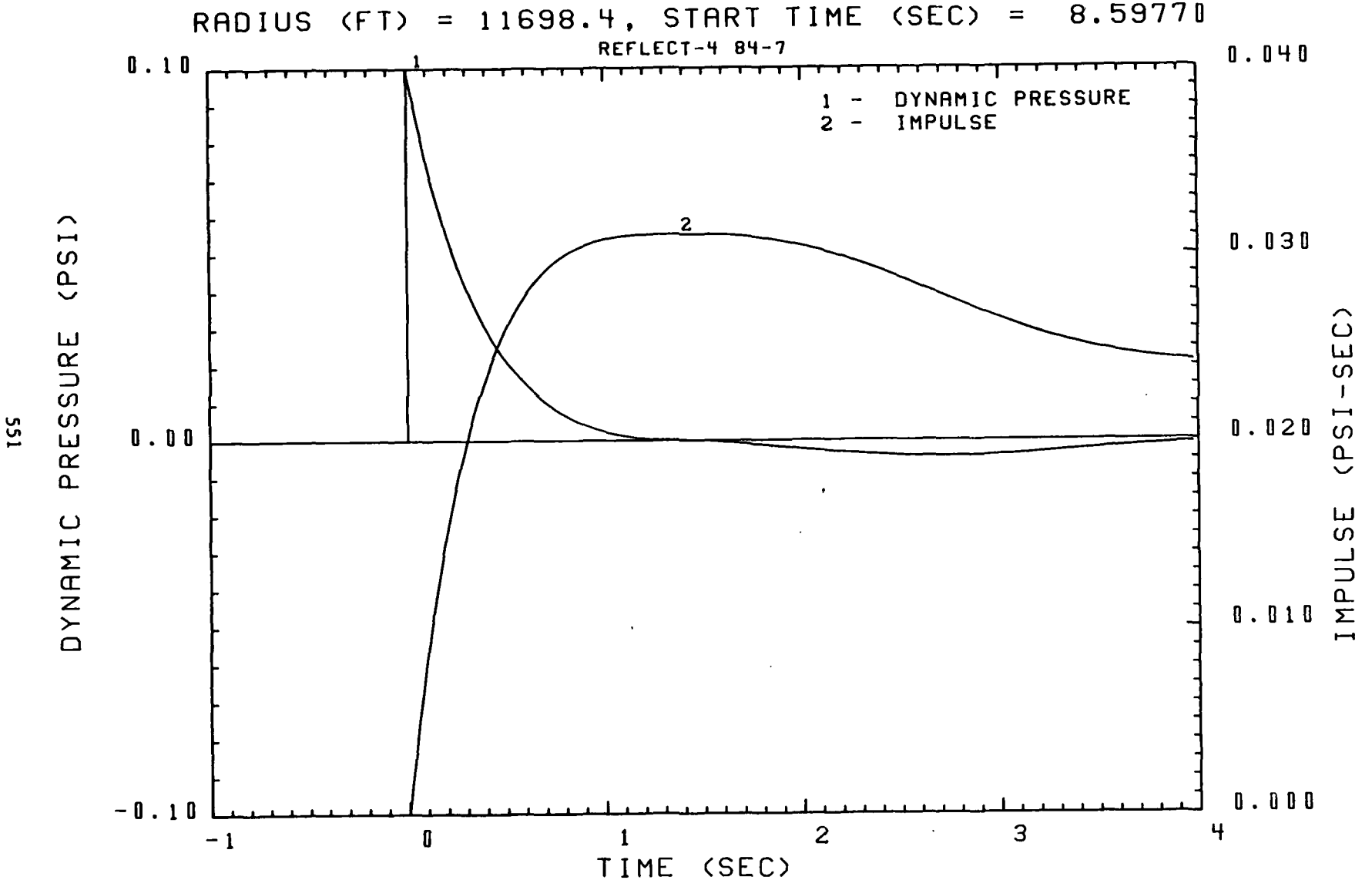

RADIUS (FT) = 7007.4, START TIME (SEC) = 4.72137
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
2
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.50
0.40
0.30
0.20
0.10
0.00
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40


RADIUS (FT) = 7007.4, START TIME (SEC) = 4.72137
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
1
0
-1
0.20
0.10
0.00
-1
0
1
2
3
4


RADIUS (FT) = 8694.5, START TIME (SEC) = 6.08725
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.30
0.20
0.10
0.00
0.10
0.00
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
1
2


RADIUS (FT) = 8694.5, START TIME (SEC) = 6.08725
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.30
0.20
0.10
0.00
-0.10
0.10
0.00
-1
0
1
2
3
4
1
2


RADIUS (FT) = 11698.4, START TIME (SEC) = 8.59770
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.10
0.00
0.030
0.020
0.010
0.000
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.60


RADIUS (FT) = 11698.4, START TIME (SEC) = 8.59770
REFLECT-4 84-7
1 - DYNAMIC PRESSURE
2 - IMPULSE
DYNAMIC PRESSURE (PSI)
IMPULSE (PSI-SEC)
TIME (SEC)
0.10
0.00
-0.10
0.040
0.030
0.020
0.010
0.000
-1
0
1
2
3
4

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