



TWA Flt. 800, B747-131, Takeoff to End of Data
 Tabular Data No. 1, Revised: December 22, 1999, National Transportation Safety Board

Local Time (ref. CVR)	MSL Alt. (FEET)	IAS (KNOTS)	Pitch Angle (degrees)	Elevator Position Right (degrees)	Mag. Heading (degrees)	Roll Angle (degrees)	Rudder Position (upper) (degrees)	Angle of Attack (degrees)	EPR Engine 1 (ratio)	EPR Engine 2 (ratio)	EPR Engine 3 (ratio)	EPR Engine 4 (ratio)	Long. Accel (g)	Vert. Accel. (g)	VHF	Pitch Trim Stal Pos (degrees)
20:30:12	12962.00	281 278	2.9	0.9	82	0	0.72 0.72 0.72	3 3 3	1.12	1.06	1.07	1.11 1.11	0.07 0.07 0.07 0.07 0.07	0.98 0.97 0.97 0.97 0.98	Off Off	4
20:30:13	12962.00 12957.00	283	2.9	0.8 0.9	82	0	0.72 0.72 0.72	3 3 3	1.12	1.06	1.07	1.11	0.07 0.07 0.07 0.07 0.07	0.98 0.98 0.98 0.98 0.98	Off	4
20:30:14	12962.00	282 280	2.9	0.7	82	0	0.72 0.63 0.72	4 3 3	1.12	1.06	1.07	1.11 1.11	0.07 0.07 0.07 0.07 0.07	0.98 0.97 0.97 0.97 0.97	Off Off	4
20:30:15	12957.00 12987.00	282	2.9	0.7 0.7	82 78	0	0.72 0.72 0.72	4 3 3	1.12	1.06	1.07	1.11	0.07 0.07 0.07 0.07 0.07	0.98 0.97 0.97 0.97 0.97	Off	4
20:30:16	12962.00	278 280	2.9	0.5	82	0	0.72 0.72	3 3	1.12	1.06	1.07	1.11 1.11	0.07 0.07 0.07 0.07	0.98 0.97 0.97 0.98	Off Off	4
20:30:17	12962.00 12962.00	278	2.9 3.2	0.8 0.7	82 82	0	0.72 0.81 0.72 0.72	3 3 3 93	1.12	1.06	1.07	1.11	0.07 0.08 0.08 0.08 0.08	0.98 0.98 0.99 0.99 1.00	Off	4
20:30:18	12962.00	282 282	3.2	0.7	82	1	0.72 0.72	3 3	1.12	1.06	1.07	1.11 1.11	0.08 0.08 0.08 0.08	1.00 1.00 1.00 1.00	Off Off	4
20:30:19	12962.00 12962.00	278	3.2 2.9	0.7 0.7	82 82	0	0.72 0.63 0.72 0.63	3 4 4	1.12	1.06	1.07	1.11	0.07 0.08 0.08 0.08 0.07	0.98 0.99 0.99 0.98 0.98	On	4
20:30:20	12967.00	281 270	3.2	0.9	82	0	0.72 0.72	3 3 3	1.12	1.06	1.07	1.11 1.11	0.07 0.07 0.08 0.08	0.98 0.98 0.99 0.99	On	4
20:30:21	12972.00 12977.00	455	3.6 3.6	0.9 0.7	82 82	0	0.72 0.63 0.63 0.72	3 3 3	1.12	1.06	1.07	1.11	0.08 0.08 0.08 0.08 0.08	0.99 0.99 0.99 1.00 1.00	On	4
20:30:22	12982.00	278 282	3.6	0.7	82	0	0.63 0.63	4 3 3	1.12	1.06	1.07	1.11 1.11	0.08 0.08 0.08 0.08	1.00 0.99 0.99 0.99	On On	4
20:30:23	12987.00 12992.00	280	3.6 3.6	0.7 0.6	82 82	0	0.72 0.72 0.72	3 3 4	1.12	1.06	1.07	1.11	0.08 0.08 0.08 0.08	0.98 0.98 0.98 0.98	On	4
20:30:24	13002.00	288 278	3.6	0.7	82	0	0.72 0.72 0.72	3 4 3	1.13 1.14	1.07 1.09	1.08 1.09	1.12 1.14	0.08 0.08 0.08 0.08	0.98 0.98 0.98 0.98	Off Off	4
20:30:25	13012.00 13017.00	269	3.6 4.0	0.6 0.5	82 82	0	0.72 0.72 0.72	3 3 3	1.15	1.10	1.10	1.15	0.08 0.08 0.08 0.08	0.98 0.98 0.98 0.98	Off	4
20:30:26	13027.00	277 280	4.0	0.4	82	0	0.72 0.72 0.72	3 3 3	1.17 1.18	1.11 1.12	1.12 1.12	1.17 1.18	0.08 0.08 0.08 0.09 0.08	0.97 0.97 0.96 0.95 0.94	Off Off	4
20:30:27	13032.00 13042.00	280	4.0 4.0	0.8 0.7	82 82	-1	0.63 0.72 0.72	3 3 3	1.18	1.12	1.14	1.18	0.08 0.09 0.09 0.09 0.09	0.94 0.94 0.95 0.95 0.95	Off	4
20:30:28	13047.00	280 278	3.6	0.5	82	-1	0.63 0.72 0.72	3 3 4	1.19 1.19	1.12 1.13	1.15 1.16	1.19 1.19	0.09 0.09 0.09 0.09 0.09	0.96 0.97 0.97 0.97 0.97	Off Off	4
20:30:29	13052.00 13062.00	278	3.6 4.0	0.6 0.7	82 82	-1	0.72 0.72 0.72	4 4 3	1.19	1.13	1.16	1.19	0.09 0.09 0.09 0.09	0.97 0.97 0.97 0.97	Off	4
20:30:30	13072.00	262 281	4.0	0.6	82	-2	0.72 0.72 0.72	3 3 3	1.21 1.24	1.15 1.17	1.19 1.21	1.21 1.24	0.09 0.10 0.10 0.10	0.97 0.97 0.97 0.97	Off Off	4
20:30:31	13077.00 13087.00	280	4.0 4.0	0.9 0.9	82 82	-2	0.72 0.72 0.72	3 3 3	1.25	1.18	1.22	1.25	0.10 0.10 0.10 0.10	0.98 0.98 0.98 0.98	Off	4
20:30:32	13092.00	280 280	4.3	0.7	82	-2	0.72 0.63 0.72	3 3 3	1.26 1.27	1.20 1.23	1.23 1.24	1.26 1.28	0.11 0.11 0.11 0.11	0.99 0.99 0.99 1.00	Off Off	4
20:30:33	13102.00 13112.00	277	4.3 4.3	0.7 0.7	82 82	-2	0.63 0.72 0.72	3 4 3	1.28	1.24	1.25	1.29	0.11 0.11 0.11 0.11	1.00 1.00 1.00 1.00	Off	4
20:30:34	13127.00	286 260	4.3	0.7	82	-2	0.72 0.72	4 3	1.29 1.29	1.24 1.25	1.25 1.25	1.30 1.31	0.11 0.11 0.11 0.11	0.99 0.99 0.99 0.99	Off Off	4
20:30:35	13137.00 13147.00	275	4.3 4.7	0.5 0.7	81 81	-2 -1	0.72 0.72 0.72	3 3 3	1.29	1.24	1.25	1.32	0.11 0.11 0.11 0.11	0.98 0.98 0.98 0.98	Off	4
20:30:36	13162.00	280	4.7	0.5	81	-1	0.63	3	1.29	1.24	1.25	1.32	0.11	0.98	Off	4