

from the Western Range were not included since available performance records were incomplete. The results for the four vehicles are combined in Table 11. Table 12 gives last-occurrence dates by response mode for each launch vehicle.

Table 7. Number of Atlas Failures - All Configurations (532 Flights)

Flight Phase	Failure-Response Mode						3 & 4 Tumble
	1	2	3	4	5	'NA'	
0	0	0	0	0	0	0	0
0-1	7	1	2	38	8	4	11
0-2	7	1	2	66	15	13	19
0-3	7	1	2	86	15	18	25
0-4	7	1	2	89	15	21	27
0-5	7	1	2	89	15	23	27

Table 8. Number of Delta Failures - All Configurations (232 Flights)

Flight Phase	Failure-Response Mode						3 & 4 Tumble
	1	2	3	4	5	'NA'	
0	0	0	0	0	0	0	0
0-1	0	0	0	2	2	5	0
0-2	0	0	0	4	2	10	1
0-3	0	0	0	7	3	12	1
0-4	0	0	0	7	3	13	1
0-5	0	0	0	7	3	15	1

Table 9. Number of Titan Failures - All Configurations (337 Flights)

Flight Phase	Failure-Response Mode						3 & 4 Tumble
	1	2	3	4	5	'NA'	
0	0	0	0	3	0	0	1
0-1	2	2	0	13	1	0	5
0-2	2	2	0	39	5	3	10
0-3	2	2	0	46	5	5	11
0-4	2	2	0	47	5	7	11
0-5	2	2	0	47	5	10	11

Table 10. Number of Eastern-Range Thor Failures (85 Flights)

Flight Phase	Failure-Response Mode						3 & 4 Tumble
	1	2	3	4	5	'NA'	
0	0	0	0	0	0	0	0
0-1	4	1	1	15	4	1	3
0-2	4	1	1	20	5	3	3
0-3	4	1	1	22	5	3	3
0-4	4	1	1	22	5	4	3
0-5	4	1	1	22	5	5	3