

503 INCIDENT SUMMARY

- EXPLOSION EQUIVALENT TO 1% PROPELLANT MIXING
- SAFETY PROGRAM DOCUMENT & CONTROL WERE GOOD
- CREW PERFORMANCE EXCELLENT
- AUTOMATIC CHECKOUT EQUIPMENT NOT INVOLVED IN EXPLOSION
- IMPROPER WELD WIRE IN AMBIENT HELIUM SPHERE
CAUSED LOWER ULTIMATE STRENGTH DUE TO
HYDROGEN EMBRITTLEMENT

FIGURE 4

SATURN S-IVB PROGRAM MILESTONES

<u>STAGE NUMBER</u>	<u>K DATE</u>	<u>4G SCHEDULE</u>	<u>FORECAST WITH BETA 3</u>	<u>FORECAST WITHOUT BETA 3</u>
208	5/15/67	7/15/67	3/17/67	3/17/67
504	8/29/67	6/21/67 (503)	7/24/67	7/24/67
209	8/15/67	10/15/67	8/25/67	8/25/67
505	11/30/67	8/31/67 (504)	10/2/67	10/2/67
506	2/28/68	11/30/67 (505)	11/27/67	11/27/67
210	11/15/67	1/15/68	1/4/68	1/17/68
211	2/15/68	1/15/68	1/26/68	3/22/68
507	4/30/68	2/28/68 (506)	3/4/68	5/10/68
212	5/15/68	4/15/68	4/15/68	7/1/68

FIGURE 5