

R Larson

M.I.T./ C.S. Draper Laboratories
System Test Group Memo No. 1488

TO: R. Larson

FROM: Ken Goodwin

DATE: April 6, 1970

SUBJECT: Apollo 12 Alarms

Enclosed is the list of CSM/LM alarms that occurred during the flight of Apollo 12.

This list is intended to be added to the previous alarm list for Apollo 7 through Apollo 11.



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System Test Group

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APOLLO 12 CSM

<u>Alarm</u>	<u>Time (GET)</u>	<u>Cause</u>
1105 - Downlink too fast	0:0:36	Power giltch due to electrical discharge
3777 - ICDU Fail Caused the ISS Warning	0:0:36	
0777 - PIPA Fail caused the ISS Warning	0:11:36	Tumbling Platform
212 - PIPA Fail but PIPA is not being used	0:14:33	Exit P11
116 - Optics Switch altered before 15 sec zero time elapsed	0:51:21	Start of P52
20430 - Integ. abort due to sub- surface state vector	0:52:54	Bad state vector, resultant of lost platform during liftoff.
407 - Auto Optics request - Trun. Angle greater than 50°.	2:23:41	Waiting for chosen star to come within FOV in P52.
116	6:3:01	
407	6:4:45	
407	37:36:00	
116	55:09:09	
122 Marking not called for	143:16:53	Beginning of P20
401 Desired gimbal angles yield gimbal lock	prior to 159:53:00 (occured on back side of Moon)	
407	164:58:46	
116	189:35:21	P23

APOLLO 12 CSM

<u>Alarm</u>	<u>Time (GET)</u>	<u>Cause</u>
404-Target Out of View -	211:22:42	P52 - Star 32
407	211:23:50	
114-Mark made but not desired	213:29:48	P23
212	290:10:13	Result of V35 - Test Lights

APOLLO 12 LM

Alarm	Time (GET)	Cause
1105-Downlink too fast	7:52:20	Power Up
212-PIPA fail but PIPA not being used	104:28:46	Result of V35
1106-Uplink too fast	106:45:01	Noise on uplink line due to cycling of DUA
112-Mark or mark reject not being accepted	110:57:01	P57
530-LOS not in Mode 2 coverage on lunar surface after 600 seconds	112:29:27	P22
1105-Downlink too fast	121:34:27	Result of power up to update the clock on lunar surface
212-PIPA fail but PIPA not being used	139:11:37	Result of V35
521-Could not read radar	between 142:29 and 143:20	Occured on backside of moon in P20 as a result of breaking lock-on. This alarm has been eliminated for Apollo 14 and subsequent flights