

Russ Larson

COMPUTER PROGRAMS

AGC BLOCK I & II		LGC
Program Number	Program Title	Program Title
00	AGC Idling	LGC Idling
<u>Pre-launch</u>		<u>Pre-launch</u>
01	G&N Startup and Checkout	G&N Startup and Checkout
02 01	Initialization	Lunar Surface Initialization
03 02	Gyro Compassing	Ascent Targeting
04 03	Optical Verification of Azimuth	Pre-landing Initialization
05	<i>G+N Startup</i>	Landing Targeting
06	<i>G+N Power down</i>	
07 04	Inertial Reference	Inertial-Ready for Launch
07	<i>SVS TEST</i>	
10	<u>Boost Monitor</u>	<u>CSM Monitor/Backup</u>
11	Pre-Let Jettison	LOI Monitor
12	Post-Let Jettison	MCC Monitor
13	SII Takeover for EOI *	PRE-TEI
14	SIVB Takeover for EOI*	TEI
15	TLI Monitor *	PRE-MCC
16	Saturn Takeover for TLI*	MCC
17	Les Abort	
<u>20 RCS Coast/Thrust</u>		<u>RCS Coast/Thrust</u>
21	CSM Local Vertical	Preferred Attitude-I
22	Landmark Tracking	Preferred Attitude-II
23	Star/Landmark or Horizon Sighting	
24	Rendezvous Retrieval Tracking	RR Tracking
25	RCS ΔV	RCS ΔV
26	G&N Standby RCS Monitor	Manual Translation Monitor
27	AGC Update	LGC Update

* Block II only

Program Number	Program Title	Program Title
<u>Pre-Thrusting</u>		<u>Pre-Thrusting</u>
31	Orbit Change	DOI
32	Return to Earth	Landing
33	Circularization	Circularization
- 34	^{MIN IMP} Rendezvous Ascent	Rendezvous Ascent
- 35	Rendezvous Braking	Rendezvous Braking
36		
37	SPS Minimum Impulse (204 Test Only)	
<u>SPS Thrusting</u>		<u>DPS/APS Thrust</u>
41	Orbit Change	DOI
42	Return to Earth	Landing-Phase I
43	Circularization	Landing-Phase II
- 44	^{MIN IMP} Rendezvous Ascent	Landing-Phase III-Auto } DPS
- 45	Rendezvous Braking	Landing-Phase III-Hold } DPS
46	G&N Standby SPS Monitor	Ascent from Lunar Surface } APS
47	SPS Minimum Impulse (204 Test Only)	Ascent Orbit Change } APS
<u>In Flight Alignment</u>		<u>IMU Align</u>
51	IMU Orientation Determination	Orientation Determination- Att. Free
52	SIVB/IMU Align	Orientation Determination- CSM REF
53	CSM/IMU Align	LEM/IMU Align
54		
55		Lunar Surface-AOT
56		Lunar Surface-Rend. Radar
57		Lunar Surface-Coarse Align

Program Number	Program Title	Program Title
	<u>Entry</u>	<u>Rendezvous Braking / DOCKING</u>
61	Maneuver to CM/SM Separation Attitude	APS Braking
62	CM/SM Separation and Pre-entry Maneuver	RCS Braking
63	Post .05G	Docking Monitor
64	Up Control	
65	Ballistic	
66	Final	
67		

	<u>CSM Abort</u>	<u>LEM Abort</u>
71	First Abort Burn	Pre-Abort from Descent Orbit
72	Abort Mode Selection	Abort Thrust from Descent Orbit-DPS
73	Thrust to Discrete Recovery Area	Abort Thrust from Descent Orbit-APS
74	Contingency Orbit Insertion 1st Burn	Abort from Landing-DPS
75	Contingency Orbit Insertion 2nd Burn	Abort from Landing-APS
76		
77	G&N Flushed	G&N Flushed
