

XY SWITCH POSITIONS

Computer CHANNEL S 'Acc Test
 Test Set set

<u>Sw.</u> <u>Pos.</u>	<u>Sig.</u> <u>No.</u>	<u>Signal Name</u>
101		
102	X-017	Downlink Data
103	XC050	Discrete Signal Carrier
	X-085	Downlink Data
104	XC191	CDU Clock (51.2 KPPS)
105	XC048	Radar Gate Reset
		Thrust Command SIVB
106	XB013	Eng off Asc or Desc
107	XC139	PIPA Interrogate
108	XC140	PIPA Switching
109	XA148	Gyro Reset
	XC197	PIPA Data Pulse
110	XC149	800 PPS Set
111	XC150	800 PPS Reset
112	XC151	3.2 KPPS Set
113	XC152	3.2 KPPS Reset
114	XC153	25.6 KPPS Set
115	XC154	25.6 KPPS Reset
116	XC155	12.8 KPPS Pwr Supply Sync
117	XC156	Discrete Signal Carrier
	XC901	25.6 KPPS Pwr Supply Sync
118	XC056	Opt Discrete Carrier
	XC052	LRDR Gate Reset

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CHANNEL S

<u>Sw.</u>	<u>Sig.</u>	
<u>Pos.</u>	<u>No.</u>	<u>Signal Name</u>
304	M800SV	Monitor 800 CPs
305	Y-014	Downlink Start
306	Y-015	Downlink End
307	Y-016	Downlink Sync
308		
309		
310		
311		
312		
313	XA047	Sync for Readout
314	XA051	LRDR Sync for Readout
315	XA076	
316	XA079	"1" Bit Cross Out
317	XA002	Alt Mtr "1"
318	XA003	Alt Mtr "0"
319	XA010	Alt Rate Mtr "1"
320	XA012	Alt Rate Mtr "0"

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CHANNEL S

<u>Sw.</u> <u>Pos.</u>	<u>Sig.</u> <u>No.</u>	<u>Signal Name</u>
119	XB192	Gyro Comm Enable
120	XB011	Engine On/Off
201	XA126	CDU +X
202	XA127	CDU -X
203	XA128	CDU +Y
204	XA129	CDU -Y
205	XA130	CDU +Z
206	XA131	CDU -Z
207		Not Used
208	YE183	Star Present
209	YE124	CDU Fail
210	YE092	Spare (INO-9)
211	YE035	
212	YE112	Opt Fail
213	YE138	PIPA Fail
214	YE141	IMU Fail
215	YG132	+DVX
216	YG133	-DVX
217	YG134	+DVY
218	YG135	-DVY
219	YG136	+DVZ
220	YG137	-DVZ
301		
302	YG POS	
303	YG NEG	

AGC INPUT COUNTER

<u>Sw.</u> <u>Pos.</u>	<u>Signal</u>
1	SHAFT + or -
2	TRUNNION + or -
3	CDUX + or -
4	CDUY + or -
5	CDUZ + or -
6	EMAGX + or -
7	EMAGY + or -
8	EMAGZ + or -
9	UPLNK 1 or 0
10	XLNK 1 or 0
11	RRIN 1 or 0
12	LRIN 1 or 0
13	SPARE
14	SPARE
15	SPARE
16	NC
17	NC
18	PIPAZ ENABLE
19	PIPAY ENABLE
20	PIPAZ ENABLE

XY SWITCH POSITIONS
CHANNEL T

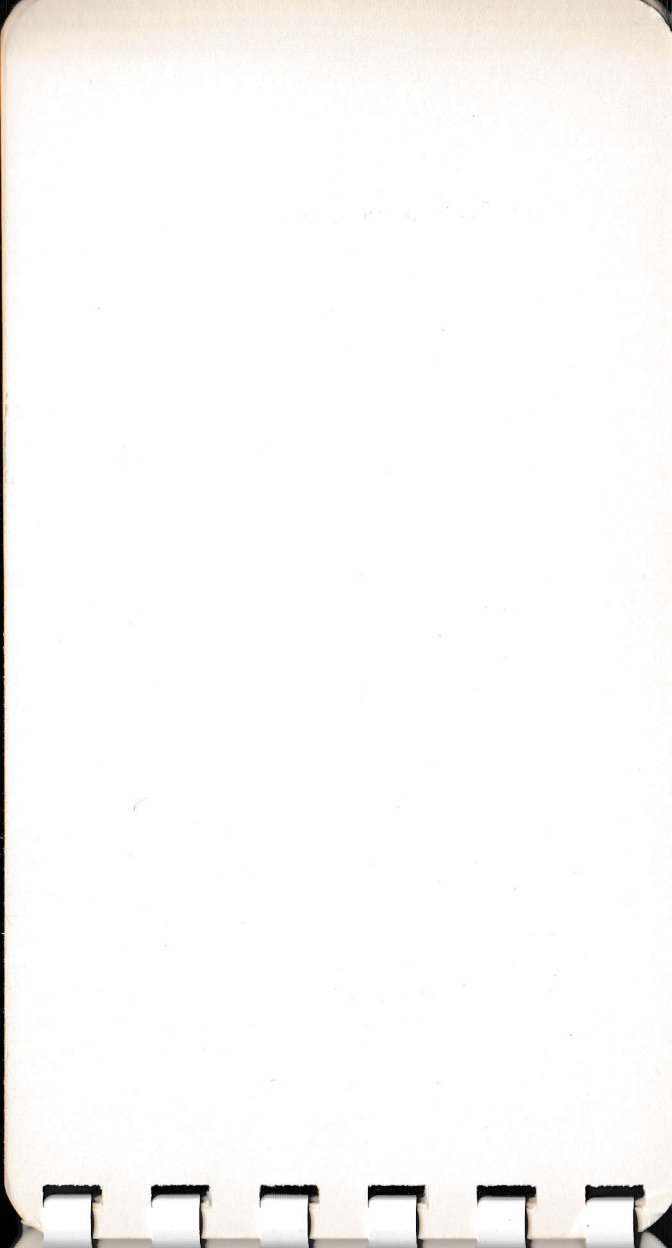
<u>Sw.</u> <u>Pos.</u>	<u>Sig.</u> <u>No.</u>	<u>Signal Name</u>
101		Not Used
102	X-017	Downlink Data
103	XC050	Discrete Signal Carrier
	X-085	Downlink Data
104	XC191	CDU Clock (51.2 KPPS)
105	XC048	Radar Gate Reset
106	XB013	Thrust Command SIVB
	XB013	Eng. Off ASC or Desc
107	XC139	PIPA Interrogate
108	XC140	PIPA Switching
109	XA148	Gyro Reset
	XC197	PIPA Data Pulse
110	XC149	800 PPS Set
111	XC150	800 PPS Reset
112	XC151	3.2 KPPS Set
113	XC152	3.2 KPPS Reset
114	XC153	25.6 KPPS Set
115	XC154	25.6 KPPS Reset
116	XC155	12.8 KPPS Pwr Supply Sync
117	XC156	Discrete Signal Carrier
	XC901	25.6 KPPS Pwr Supply Sync
118	XC056	Opt. Discrete Carrier
	XC052	LRDR Gate Reset
119	XB192	Gyro Comm Enable
120	XB011	Engine On/Off

XY SWITCH POSITIONS
CHANNEL T

<u>Sw.</u> <u>Pos.</u>	<u>Sig.</u> <u>No.</u>	<u>Signal Name</u>
201	XA114	+X Opt CDU
202	XA115	-X Opt CDU
203	XA116	+Y Opt CDU
204	XA117	-Y Opt CDU
205	XA142	+DX Gyro Rate
	XB142	+X Gyro Select
206	XA143	-DX Gyro Rate
	XB143	-X Gyro Select
207	XA144	+DY Gyro Rate
	XB144	+Y Gyro Select
208	XA145	-DY Gyro Rate
	XB145	-Y Gyro Select
209	XA146	+DZ Gyro Rate
	XB146	+Z Gyro Select
210	XA147	-DZ Gyro Rate
	XB147	-Z Gyro Select
211	XA148	Gyro Reset
212	XA198	Gyro Set
213	XA008	Incr. Thrust Rate Desc. En. 27
214	XA009	Incr. Thrust Rate Desc. En. 28
215	XA041	RRDR Range Gate
216	XA042	RRDR Range Rate Gate
217	XA043	LRDR XA Velocity Gate
218	XA044	LRDR YA Velocity Gate
219	XA045	LRDR ZA Velocity Gate
220	XA046	LRDR Range Gate

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<u>Sw.</u> <u>Pos.</u>	<u>Sig.</u> <u>No.</u>	<u>Signal Name</u>
301		
302	YG POS	
303	YG NEG	
304	M800SV	Monitor 800 CPS
305	Y-014	Downlink Start
306	Y-015	Downlink End
307	Y-016	Downlink Sync
308		
309	XA029	
310	XA030	
311		
312		
313	XA047	Sync for Readout
314	XA051	LRDR Sync for Readout
315	XA076	
316	XA079	"1" Bit Cross Out
317	XA002	Alt Mtr "1"
318	XA003	Alt Mtr "0"
319	XA010	Alt Rate Mtr "1"
320	XA012	Alt Rate Mtr "0"



RDC CHANNEL V SWITCH POSITIONS

Sw. Pos.	Sig. No.	Signal Name
101		Ground
102	CH30-15/14	
103	CH30-13/12	
104	CH30-11/10	
105	CH30-9/8	
106	CH30-7/6	
107	CH16-4/3	
108	CH30-5/4	
109	CH30-3/2	
110	CH30-1	
	CH30-1	
111	CH31-3/2	
112	CH31-5/4	
113	CH31-7/6	
114	CH31-9/8	
115	CH31-11/10	
116	CH31-13/12	
117	CH31-15/14	
118	CH32-1	
119	CH32-3/2	
120	CH32-5/4	
201	CH32-7/6	
202	CH32-9/8	
203	CH32-11/10	

RDC CHANNEL V SWITCH POSITIONS

<u>Sw.</u>	<u>Sig.</u>	
<u>Pos.</u>	<u>No.</u>	<u>Signal Name</u>
204	CH32-13/12	
205	CH32-15/14	
206	CH33-2/1	
207	CH33-4/3	
208	CH33-6/5	
209	CH33-8/7	
210	CH33-10/9	
211	CH33-12/11	
212	CH33-14/13	
213	CH33-15/SP8	
214	SP-6/SP-7	
215	SP-4/SP-5	
216	SP-2/SP-3	
217	SP-1	
218	CH16-7/6	
219	D-103	Mark Bar
	D-103	Mark Reset
	D-103	Rate of Descent Rese
220	CH16-5	
301	RD086	66/67
	RD087	63/64/69
302	RD088	63/64/69
	RD091	68/7/4
303	RD101	
	RD089	102-107/182

RDC CHANNEL V SWITCH POSITIONS

<u>Sw.</u> <u>Pos.</u>	<u>Signal</u> <u>Number</u>	<u>Signal Name</u>
304	RD165	158-164
	RD090	158-164
305	RD166	+28V COMP
	RD861	160/841/902/906
306	RD869	67/68
	RD863	7/83
307	RD904	171-174/188/189
	RD865	083
308	RD866	Spare
	RD867	Spare
309	RD868	Spare
	RD870	Spare
310	RD907	102-104/107/106/ 182/183
	RD872	
311	RD873	
	RD874	4/7/68
312	RD875	4/7/68
	RD876	Spare
313	RD877	Spare
	RD878	Spare
314	RD879	Spare
	RD864	AGC RD Signal
315	RD908	
316		
317		

RDC CHANNEL V SWITCH POSITIONS

<u>Sw.</u> <u>Pos.</u>	<u>Sig.</u> <u>No.</u>	<u>Signal Name</u>
318		
319	RD251	
320	SP RD 1	Spare
401	RD903	
402	RD175	
403	RD176	
404		
405	CB909	
406	CB160	S IV B Takeover Enable
407		
408	CBLO3	
409		
410		
411	RD177	OV
412		
413		
414		
415		
416		
417	D-209	Keyboard Reset
418		
419		
420		
501	CB906	

RDC CHANNEL V SWITCH POSITIONS

<u>Sw.</u> <u>Pos.</u>	<u>Sig.</u> <u>No.</u>	<u>Signal Name</u>
502	CB185	Zero Optics CDU
503	CB186	Error Center Enable Optics
504	CB902	
505	CB162	Star Trackers On
506	CB011	SPS Eng. DN/Off
507	DE161	K4
	CB161	TVC Enable
508	CB194	Coarse Align Enable
509	CB195	Zero IMU CDU's
510	CB196	Error Center Enable IMU
511	CB848	Spare, Chan 11-08
512	CB849	Spare, Chan 11-09
513	CB850	Spare, Chan 11-10
514	CB851	Spare, Chan 11-11
515	CB852	Spare, Chan 11-12
516	CB853	Spare, Chan 11-13
517	CB854	Spare, Chan 11-14
518	CB855	Spare, Chan 11-16
519	CB856	Spare
520	CB013	Spare
601	CB801	+X/+ Pitch Jet
602	CB806	-X/- Pitch Jet
603	CB805	-X/+ Pitch Jet
604	CB802	+X/- Pitch Jet

RDC CHANNEL V SWITCH POSITIONS

<u>Sw.</u> <u>Pos.</u>	<u>Sig.</u> <u>No.</u>	<u>Signal Name</u>
605	CB803	+X/+ Yaw Jet
606	CB808	-X/- Yaw Jet
607	CB807	-X/+ Yaw Jet
608	CB804	+X/- Yaw Jet
609	CB813	+Z/+ Roll Jet
610	CB816	-Z/- Roll Jet
611	CB815	-Z/+ Roll Jet
612	CB814	+Z/- Roll Jet
613	CB809	+Y/+ Roll Jet
614	CB812	-Y/- Roll Jet
615	CB811	-Y/+ Roll Jet
616	CB810	+Y/- Roll Jet
617	CB841	
618	CB811	-Y/+ Roll Jet
619	CB813	+Z/+ Roll Jet
620	CB028	
701	YAW	
702	PITCH	
703	ROLL	
704		
705		
706		
707		Not Used
708	YGPSV	
709	YGNSV	

RDC CHANNEL V SWITCH POSITIONS

<u>Sw.</u>	<u>Sig.</u>	
<u>Pos.</u>	<u>No.</u>	<u>Signal Name</u>

710

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712

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G Silver