TEST	Apollo 11		POSITION	NC
		DATE 20 July	OPERATOR	Markvic

GMT	T/GET	
	104+1630	GDS, MAD LM AOS
	1650	GDS 2 way LBR LM
	1720	GDS HG LM HBR
		CSM HBR
	1750	MAD LOS CM
		GDS LM data Lost
	1835	GDS attempting reacq.
	1854	LM AOS GDS HBR
	1906	GDS 2 way
		All data solid HBR
	2114	GDS verifies 210 data
	2140	Lost LM data GDS
		GDS -130 S/S still 2 way
	2239	Requesting LM to try steerable reacq.
	2330	LM data in and out
	2350	LM solid HBR GDS
		still on 210 from GDS
	2500	Lost LM TM in and out
		GDS still 2 way.
		Suspect skin reflections on LM (Telcom)
	2600	LM HBR solid
	2650	LM HBR few dropouts
	2780	GDS -118 S/S
	2800	Go for powr descent
	2810	LOS LM TM, noisy Net 1

TEST		Apollo 11		POSITION	NC
GMT	T/GET	DATE 20 July		OPERATOR Montavie	
	2838	TM in and out quiet net 1			
	2923	CSM			
	2940	−119 S/S on LM at GDS			
	3000	LM TM in and out			
	3130	−130 MAD LM S/C			
	3200	Telcom continues			
	3325	LOS LM GDS & MAD			
		Noisy Net 1			
	3345	Switching to Aft omni			
	3353	GDS 2 way LM			
		HBR solid			
	3430	Ocasional drops LM			
	3500	LM TM solid HBR			
	3550	LM TM few drops			
	3623	LOS LM TM GDS noise on Net 1			
	3658	LM TM back in & out			
	3718	"go" to continue powered descent			
		TM in and out			
	3810	LM TM solid HBR			
	4010	still solid HBR LM			
		voice 5^2 PD "beautiful"			
	4150	still solid HBR on omni			
	4205	GO for Landing @ 3000'			
		HBR solid			
	4318	500', voice great, HBR solid			
	4425	−128 CSM S/S MAD			

CONSOLE OPERATIONS LOG

TEST		Apollo 11	POSITION	NC
GMT	T/GET	DATE 20 July 69	OPERATOR	Montroue

GMT	T/GET	
	102+45,748	Tower Down
	4600	Solid HBR voice 5⁴
	4655	T-1 stay all the way
	4700	Lost CSM LBR GDS low S/S
	4810	CSM on H/G solid LBR
	4830	CSM LBR LOS GDS
		switch to MAD they ASN
		solid HBR on H/G
	4950	All data HBR solid voice 5²
	5140	T2 — stay
	5440	Disable Battleshot at GDS
		+ MAD wings.
	5720	Mad confirms Battleshot disabled
	5740	MAD and GDS configuring for
		NASCOM MSFN relay.
	5822	Lost LM FM and CSM FM
		momentarily. (526 line drop?)
	103+1859	GDS Wing lost hydraulics
		Brakes on holding lock
	1950	Restart on hydraulics back
		in auto track GDS very
	103,2639	LOS CSM
	27	Disabling NASCOM MSFN Relay