

Massachusetts Institute of Technology
C. S. Draper Laboratory
Cambridge, Massachusetts

Luminary Project Memo No. 20

TO: Luminary Distribution List
FROM: R. A. Larson *RAL*
DATE: May 17, 1971
SUBJECT: Apollo 15 Terrain

The attached terrain and model were received from the MSC last week for the Hadley site. This terrain and model supersedes all previous data and should be used for all mission related testing for Apollo 15.

DATE 5-18-71

AZIMUTH - 11

RADIUS VECTOR (FT.)

DISTANCE (FEET)	Δ ELEVATION (FEET)	SOURCE	DISTANCE (FEET)	Δ ELEVATION (FEET)	S
-22310	328	1:12,500	464895	2362	
-21161	295		484909	2854	
-16896	164		492126	2625	
-14436	98		500329	2838	
-12631	33		507546	2625	
-10663	-295		515092	2822	
-10171	-623		562501	1772	
-9350	-951		756890	787	
-8694	-1115				
SHADOW					
-5741	66				
-4429	115				
-2625	33				
0	0				
4429	-66				
8202	16				
10499	-33				
11811	-98				
13123	-164				
16896	-164				
17881	-164				
20013	-230				
22966	-328				
26411	-230				
29692	-164				
38714	1673	1:250,000			
44619	2986				
57741	5610				
65945	6923				
68898	8235				
89239	12578				
98097	10860				
106627	9383				
137795	9696	1:1,000,000			
188977	9646				
236221	8366				
268045	8727				
277887	7546				
284449	7776				
295276	6332				
314961	6890				
326444	6529				
331365	6791				
340223	5545				
349410	6857				
357612	6463				
365814	6759				
379758	4724				
443242	2756				

RECEIVED

MAY 11 1971

R. A. LARSON

HADLEY MODEL

Range	Slope
-593000 ft.	.0209068
-196000 ft.	0
-106000 ft.	.186747
-89400 ft.	-.214784
-29000 ft.	.0113014