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MSC-CB/H. H. Schmitt
MSC-FM2/F. V. Bennett
MSC-TJ/J. H. Sasser
KSC-LO-PLN-3/C. B. Netherton

APOLLO SITE SELECTION BOARD MEETING

1:00 P.M., May 28, 1969

Apollo Action Center, Room 5016

955 L'Enfant Plaza N., S. W.

Washington, D. C.

- I. STATUS OF SITE SELECTION FOR APOLLO 11
- A. Targeting Plans (Trajectory and Lighting)
O. E. Maynard - MSC 5 mins.
 - B. Turnaround Plans
C. B. Netherton - KSC 15 mins.
 - C. Crew Training
H. H. Schmitt - MSC 15 mins.
 - D. Landing Site Dispersions
F. V. Bennett - MSC 20 mins.
 - E. Site Data Book
J. H. Sasser 10 mins.
- II. STATUS OF SITE SELECTION FOR APOLLO 12
- A. GLEP Site Selection Report
N. W. Hinners - Bellcomm 15 mins.
 - B. Operational Evaluation of Biased Sites
 - 1. Landing Accuracy (Redesignation Capability)
 - 2. Impact on Crew Training
O. E. Maynard - MSC 30 mins.
- III. STATUS OF SITE SELECTION FOR THE THIRD AND FOURTH LUNAR LANDINGS
- A. GLEP Site Selection Report
N. W. Hinners - Bellcomm 10 mins.
 - B. Operational Considerations - Single Site vs. Multiple Site
O. E. Maynard - MSC 20 mins.
- IV. STANDARDIZATION OF NOMENCLATURE FOR ALL SITES
- J. H. Sasser - MSC 15 mins.
- V. PHOTOGRAPHY PLANS FOR G-1 and H-1
- J. H. Sasser - MSC 30 mins.
- VI. ADVANTAGES OF LANDING AT A SURVEYOR SPACECRAFT
- B. Milwitzky - MAL 15 mins.

INDEXING DATA

DATE OPR

05-28-69

T PGM SUBJECT SIGNATOR LOC
R LMP (Site) 071-36

APOLLO SITE SELECTION BOARD MEETING

MAY 28 1969

1:00 P.M., May 28, 1969

Apollo Action Center, Room 5016

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II STATUS OF SITE SELECTION FOR APOLLO 11

- A. Targeting Plans (Trajectory and Lighting)
O. E. Maynard - MSC 5 mins.
- B. Turnaround Plans
C. B. Netherton - KSC 15 mins.
- C. Crew Training
H. H. Schmitt - MSC 15 mins.
- ~~D. Landing Site Dispersions
E. V. Bennett - MSC 20 mins.~~
- E. Site Data Book
J. H. Sasser 10 mins.

III STATUS OF SITE SELECTION FOR APOLLO 12

- A. GLEP Site Selection Report
N. W. Hinners - Bellcomm 15 mins.
- B. Operational Evaluation of Biased Sites
1. Landing Accuracy (Redesignation Capability)
2. Impact on Crew Training
O. E. Maynard - MSC 30 mins.

IV STATUS OF SITE SELECTION FOR THE THIRD AND FOURTH LUNAR LANDINGS

- A. GLEP Site Selection Report
N. W. Hinners - Bellcomm 10 mins.
- B. Operational Considerations - Single Site vs. Multiple Site
O. E. Maynard - MSC 20 mins.

I IV. STANDARDIZATION OF NOMENCLATURE FOR ALL SITES.

- J. H. Sasser - MSC 15 mins.

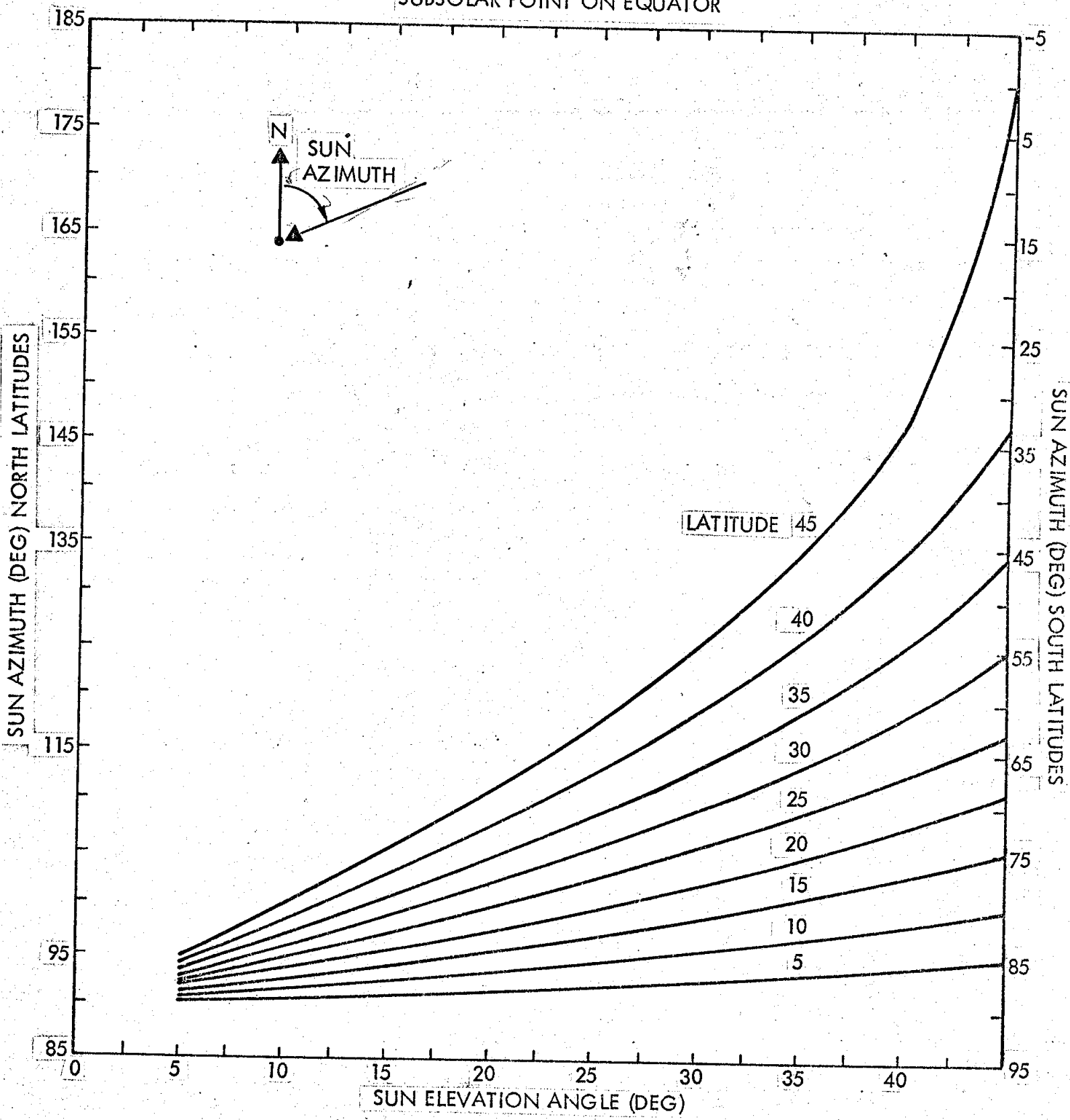
V PHOTOGRAPHY PLANS FOR G-1 and H-1

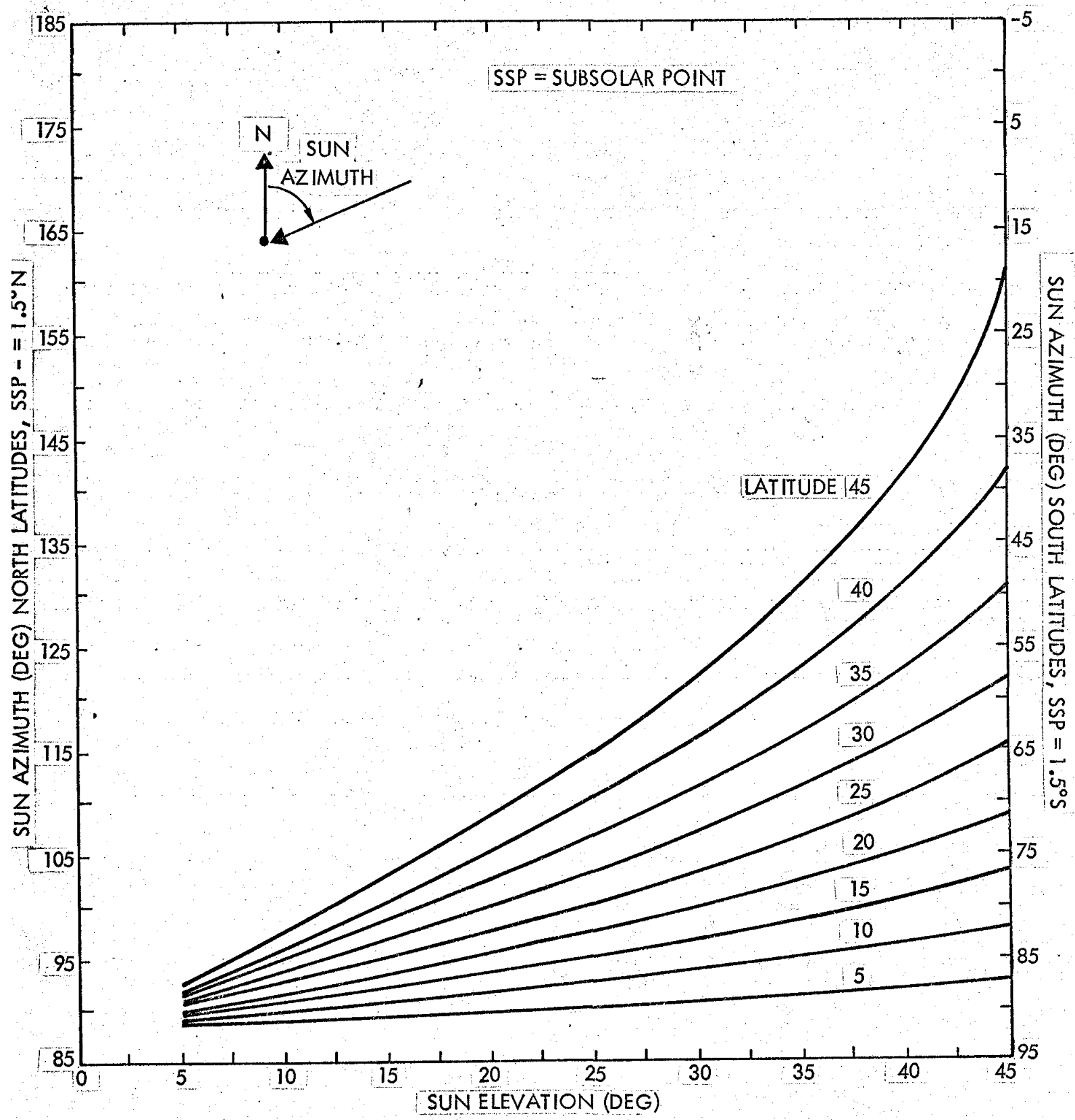
- J. H. Sasser - MSC 30 mins.

VI ADVANTAGES OF LANDING AT A SURVEYOR SPACECRAFT

- B. Milwitzky - MAL 15 mins.

SUBSOLAR POINT ON EQUATOR





SUN ELEVATION (DEG)

SUN AZIMUTH (DEG) NORTH LATITUDES, SSP = 1.5°N

SUN AZIMUTH (DEG) SOUTH LATITUDES, SSP = 1.5°S

LATITUDE 45

40

35

30

25

20

15

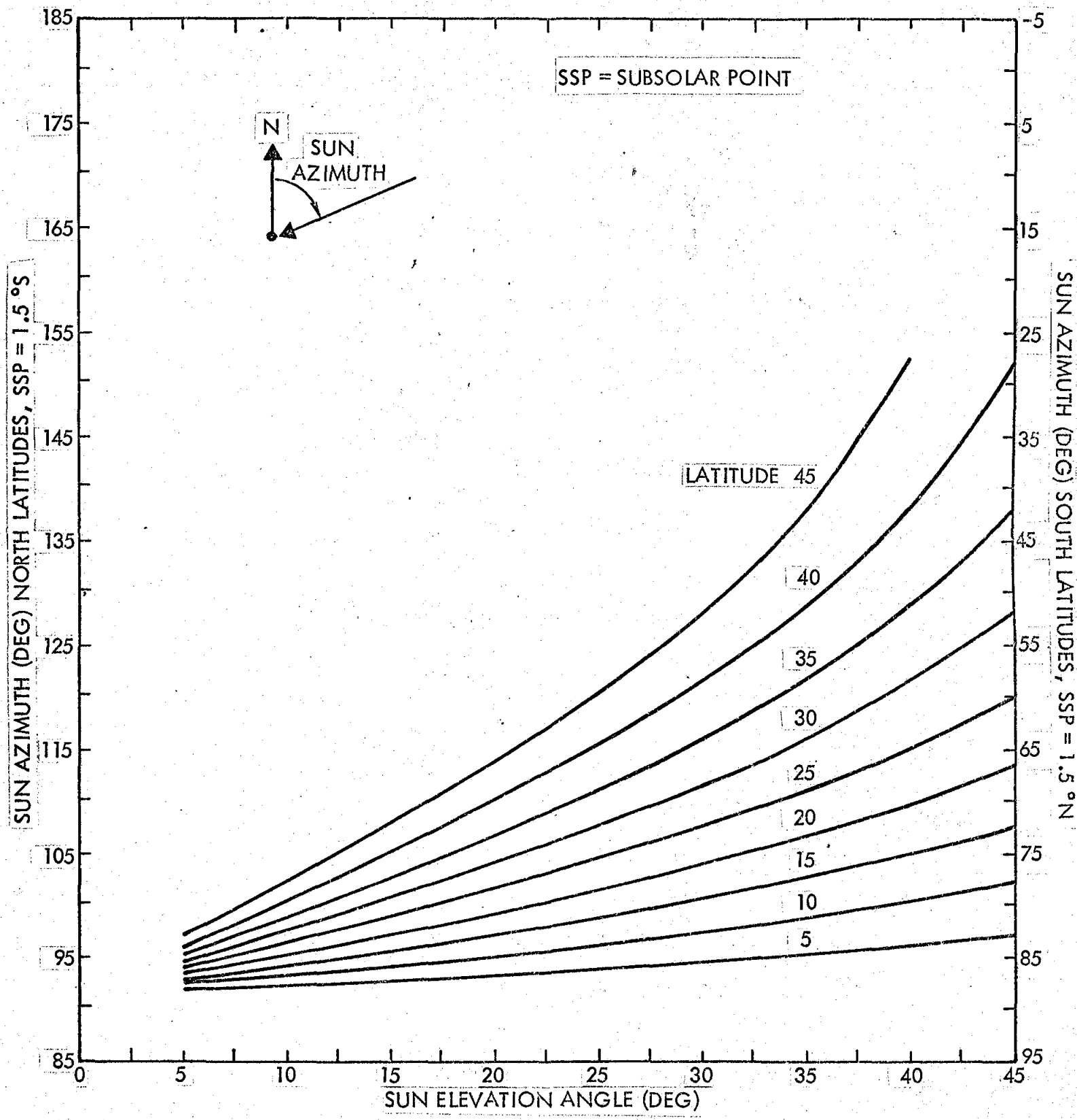
10

5

N

SUN

AZIMUTH



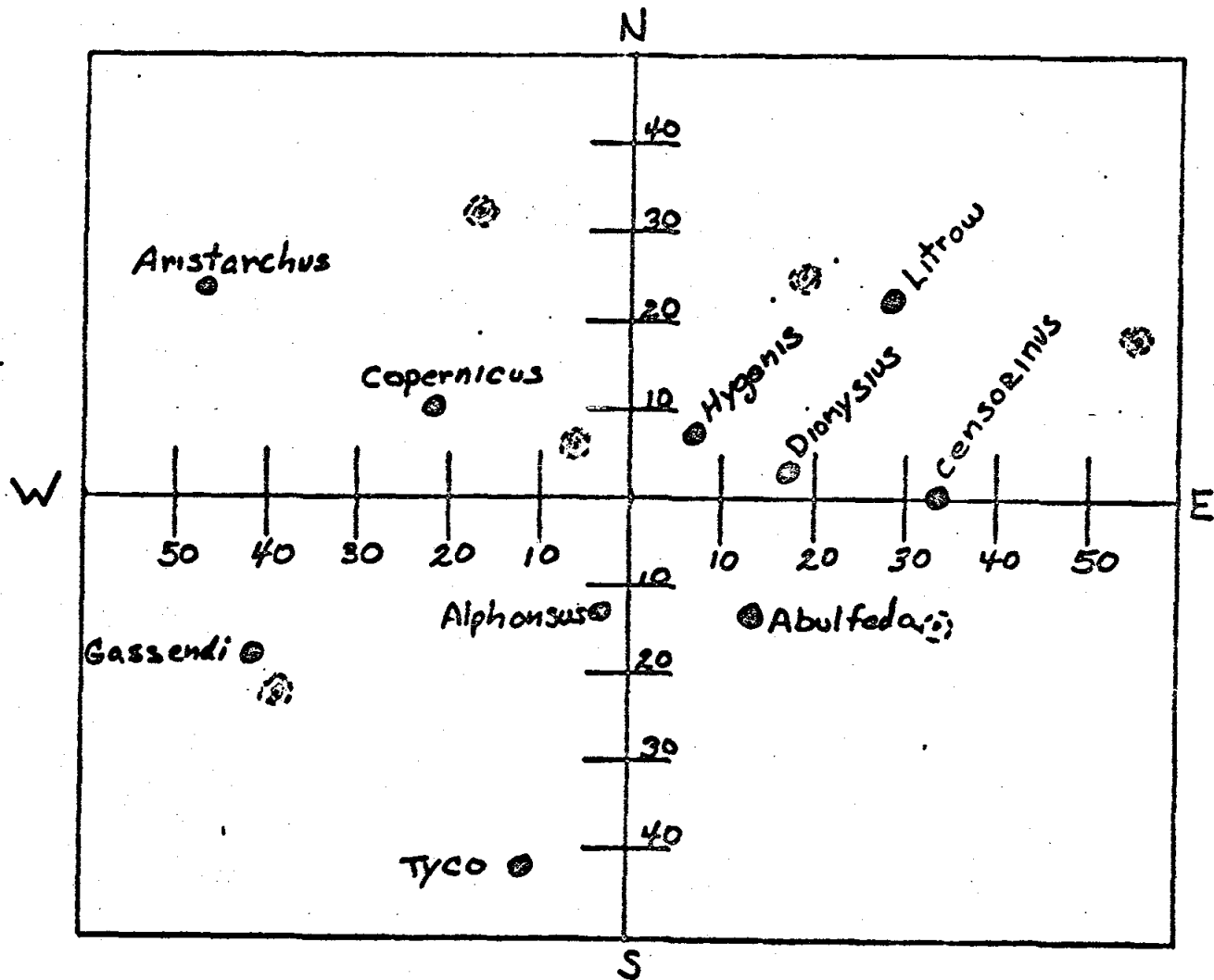
MANNED ROVERS

		11	12	13	14	15	16	17	18	19	20		
ITEM ASSIGNED		MISSION TYPE AND NUMBER											
LAUNCH READINESS		G	H1	H2	H3	H4	J1	J2	J3	J4	J5	I	
CONFIGURATION	SATURN V SERIAL	506	507	508	509	510	511	512	513	514	515	UNASSIGNED	
	CSM SERIAL	107	108	109	110	111	112	113	114	115	115A	UNASSIGNED	
	CSM TYPE	STANDARD APOLLO BLOCK II					MODIFIED BLOCK II						
	SIM INSTRUMENTS	N/A	N/A	N/A	N/A	9	AVAILABLE						
	LM SERIAL	5	6	7	8		10	11	12	13	14	N/A	
	LM TYPE	STANDARD APOLLO LM					MODIFIED LM						
	LM PAYLOAD	EASEP	①	②	③	ALSEP	④	MALSEP					N/A
EMU SUIT TYPE	A7L			CONSTANT VOLUME								N/A	
EMU PLSS/OPS TYPE	STANDARD					MODIFIED							
MISSION PROFILE	TRANSLUNAR TRAJECTORY	FREE RETURN OR HYBRID					HYBRID ONLY						
	LUNAR DESCENT	NOMINAL LM DESCENT											
	LANDING ACCURACY (99%)	±9.4 X ±2.4 KM	3KM	1 KILOMETER MAXIMUM			POINT LANDING					N/A	
	LANDING SITE	EAST MARE	WEST MARE	FRA MAURO	COPERNICUS	CENSORINUS	LITTROW	TYCHO	TOBIAS MAYER	HADLEY APENNINE	MARIUS HILLS	N/A	
	SURFACE STAY HOURS	22	30										N/A
	NUMBER SURFACE EVA'S	1	2	2	2	2	4	4	4	4	4	N/A	
	TOTAL EVA MANHOURS (DEPRESS TO REPRESS)	5:20	12	12	12	12	32	32	32	32	32	N/A	
	SURFACE EXPERIMENT LIFE	28 DAYS	1.5 YEARS AVERAGE										N/A
	MOBILITY AIDS	NONE PLANNED					MOBILITY AIDS UNDER STUDY						N/A
	SIM DATA RETRIEVAL EVA	N/A	N/A	N/A	N/A	YES IF CAMERAS IN SIM						YES	
EXTRAVEHICULAR ACTIVITY	EVA PERIOD 1	EASEP DEPLOY BULK SAMPLE ERECT ANTENNA	EMPLACE/ACTIVATE ALSEP					EMPLACE/ACTIVATE MALSEP					SM DATA RETRIEVAL
	EVA PERIOD 2	N/A	(HEAT FLOW)			SURVEY AND SAMPLE GATHERING (ENG. EXP.)						N/A	
	EVA PERIOD 3	N/A	N/A	N/A	N/A	N/A	SURVEY, SAMPLE AND SAMPLE ANALYSIS					N/A	
	EVA PERIOD 4	N/A	N/A	N/A	N/A	N/A	SURVEY, SAMPLE AND SAMPLE ANALYSIS					N/A	

ALSEP 1 DEAD 0° LAT	ALSEP 2 DEAD 0° LAT	ALSEP 3 DEAD 16° N	ALSEP 4 DEAD 0° LAT
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ADVANCED LUNAR MISSIONS SCIENCE SITES

Censorinus	34E 0S
Litrow	29E 22N
Dionysius	17E 3N
Abulfeda	14E 14S
Hygenis	7E 7E
Alphonsus	4W 13S
Tyco	12W 42S
Copernicus	21W 10N
Gassendi	41W 18S
Aristarchus	47W 23N



REVISOR: _____ DATE: 8/20/68
 CHD. BY: _____ DATE: _____
 SUBJECT: ELOP

SHEET NO. 2 OF 17
 JOB NO. _____