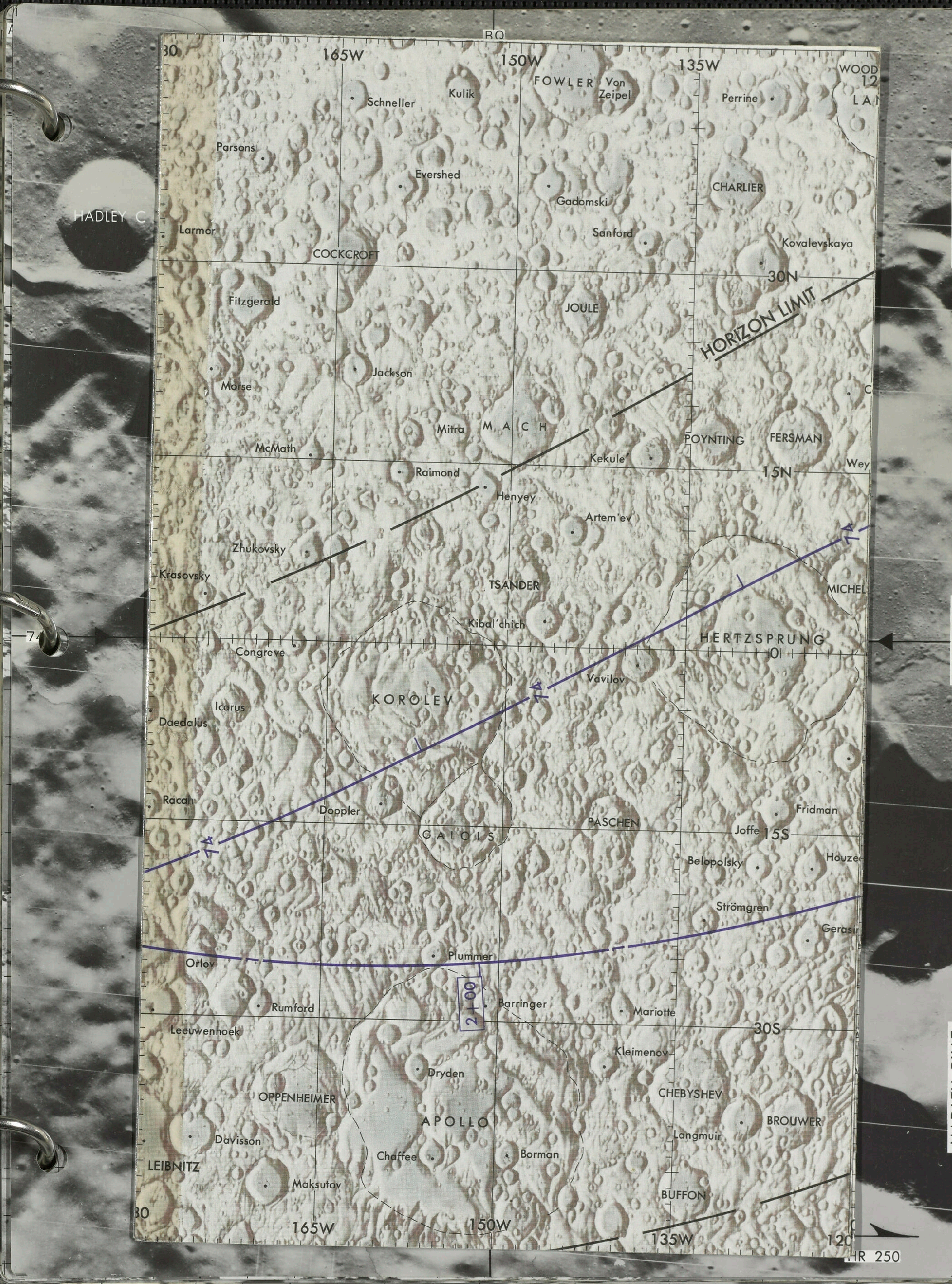
APOLLO 15	
LM LUNAR SURFACE MAPS	
PART NO.	S/N
SKB32100116-371	1001



HR 250

JUNE 5, 1971

HR 50

1:250,000

HADLEY RILLE

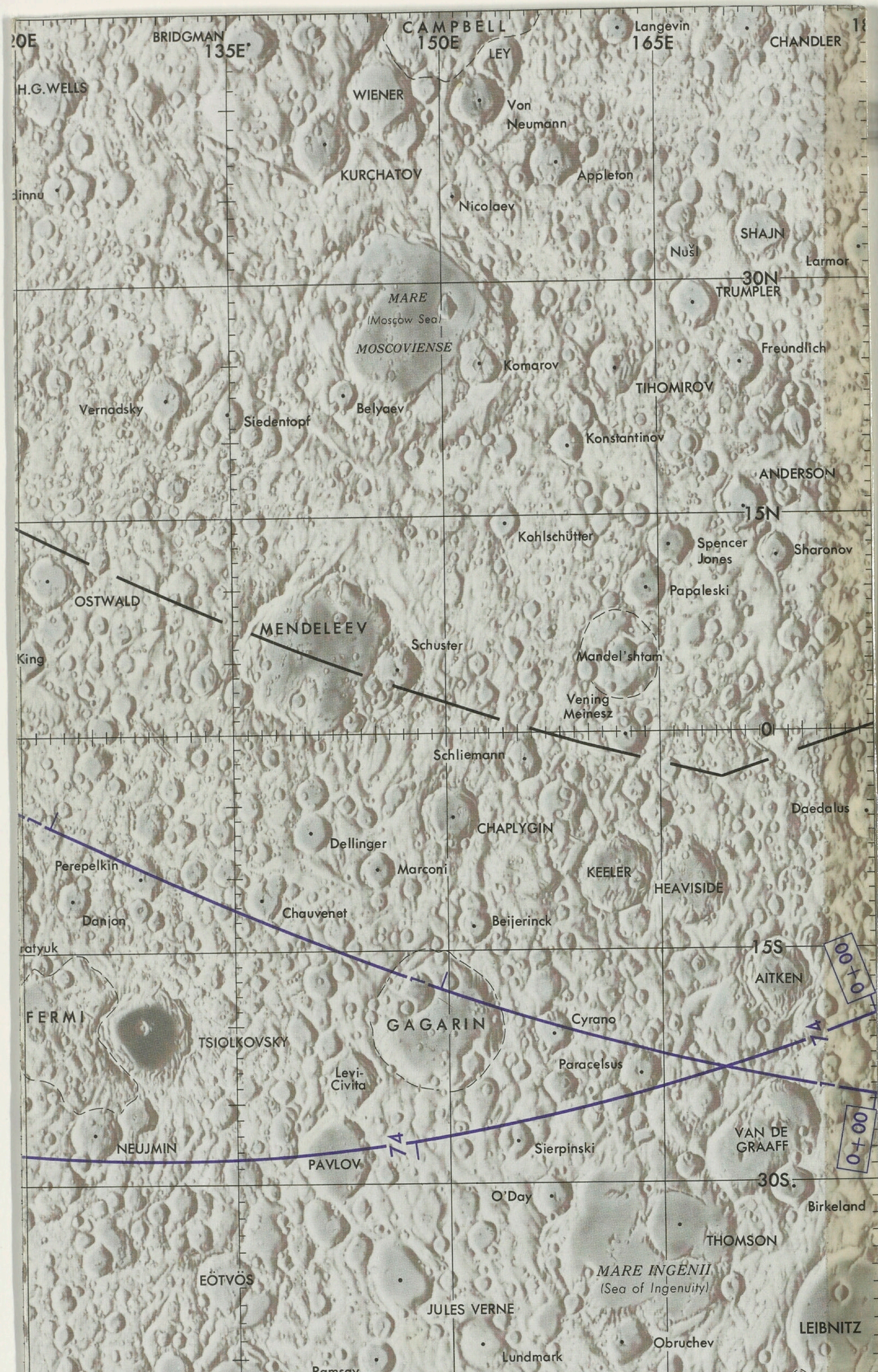
HR 25-1

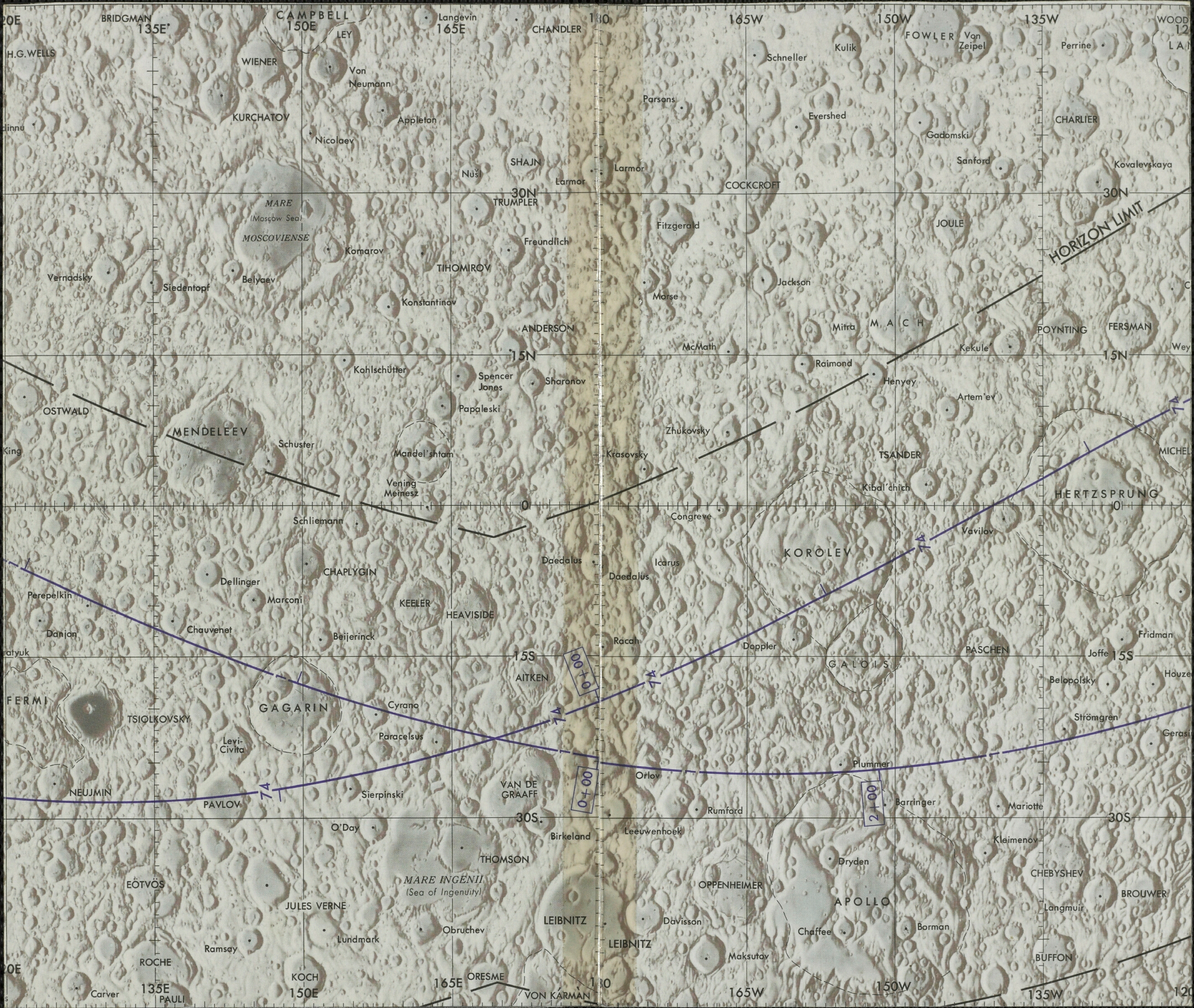
HR 25-3

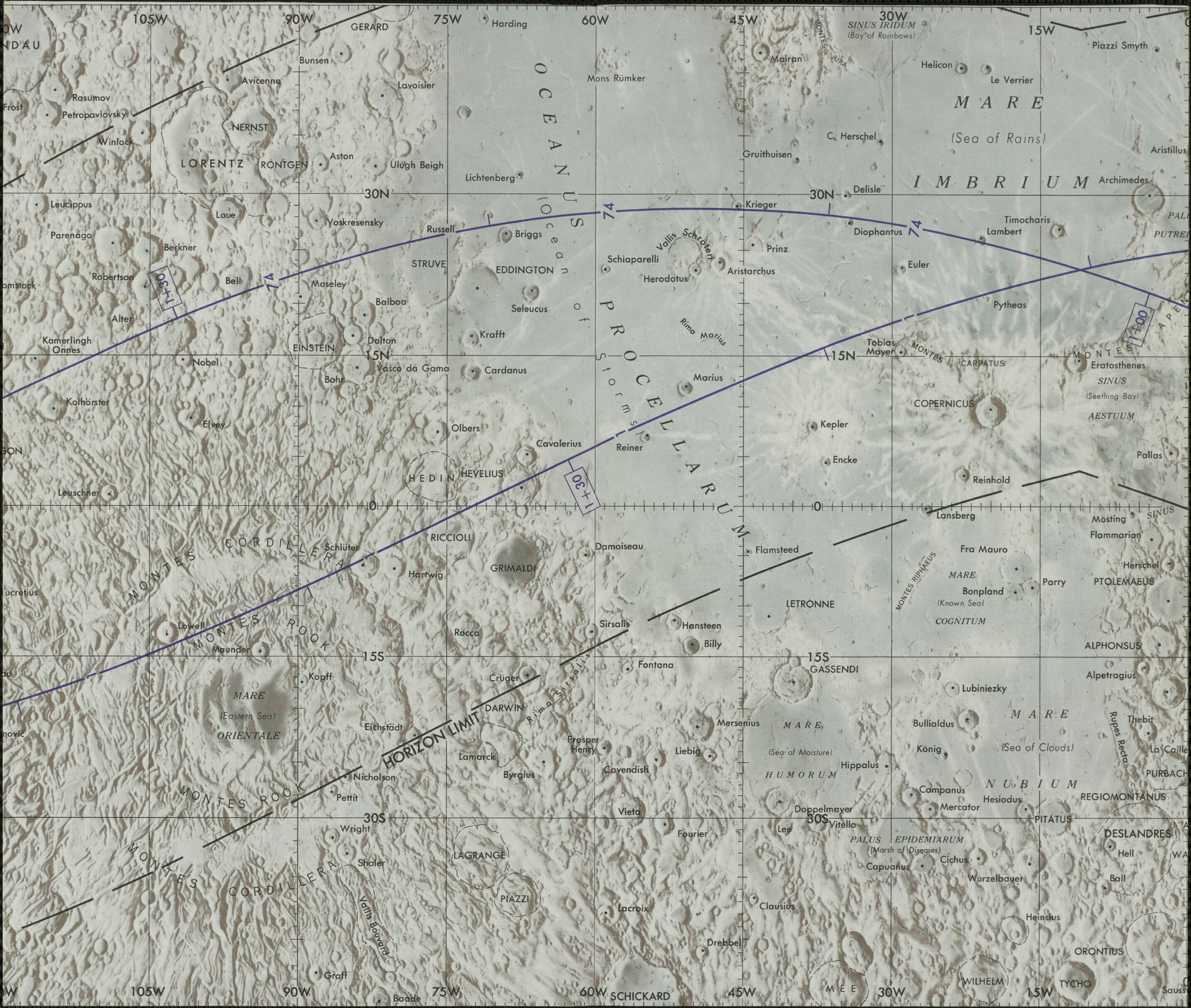
HR 25-5

HR 25-7

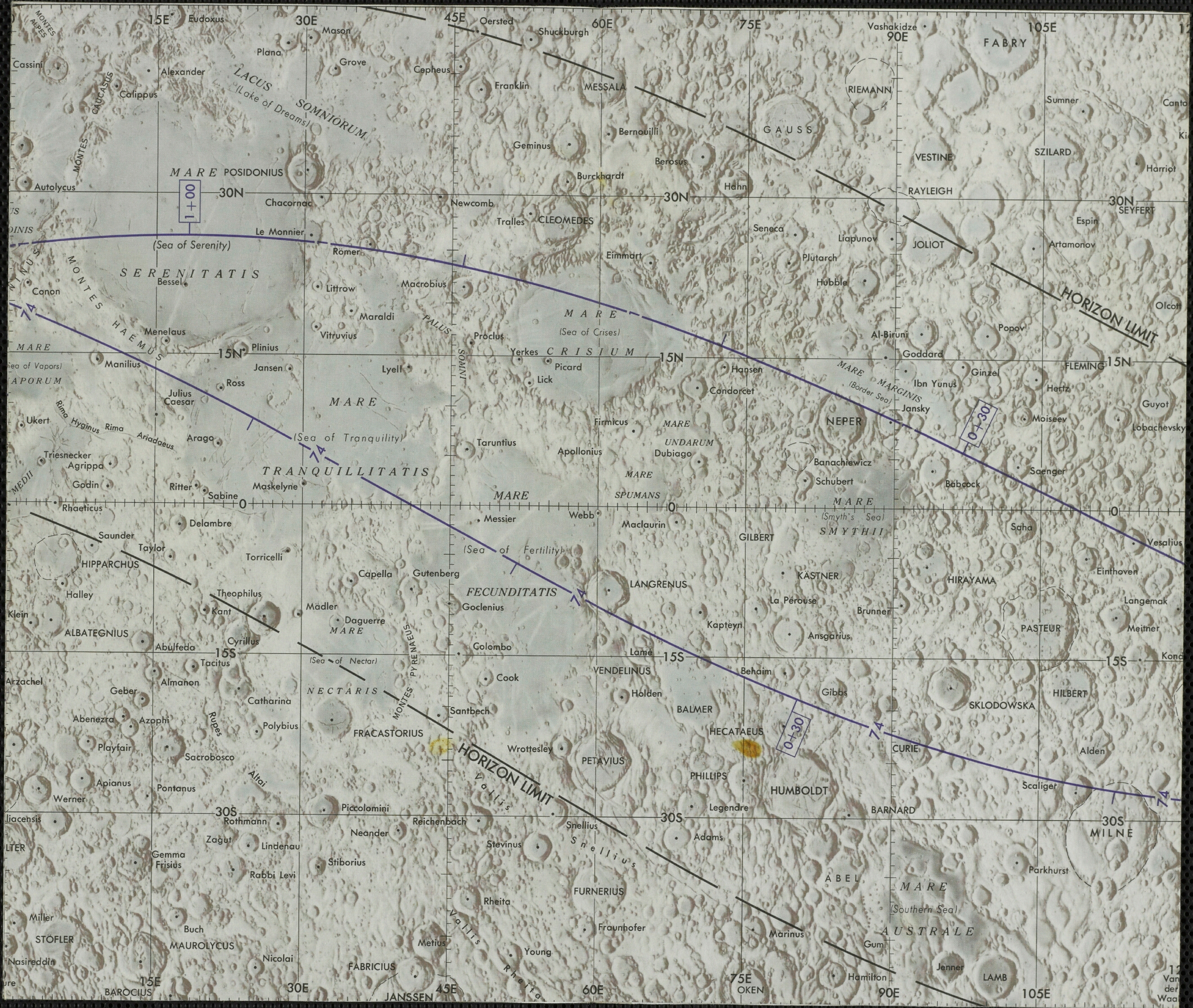
HR 25-9

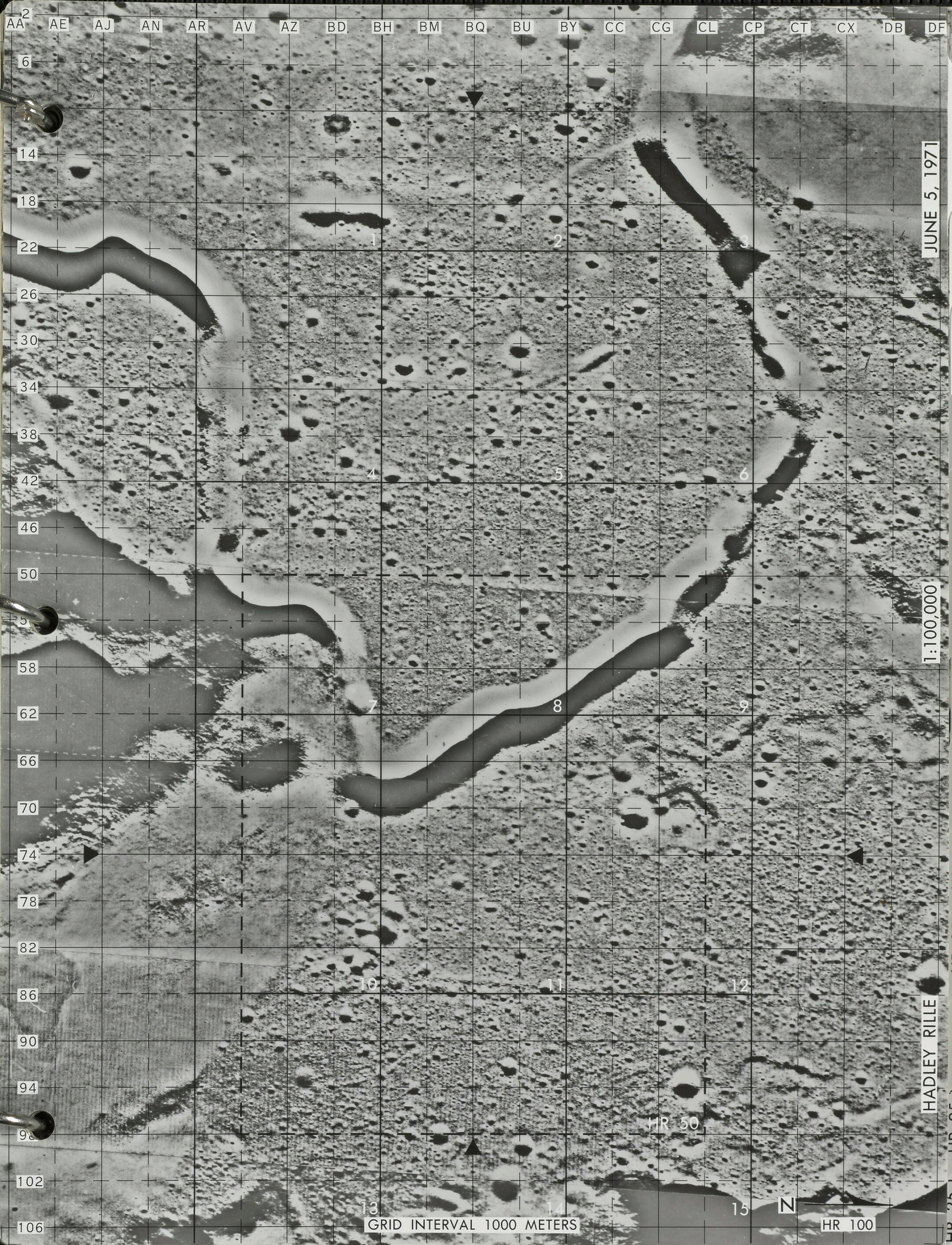

20E
BRIDGMAN
135E
CAMPBELL
150E
LEY
Langevin
165E
CHANDLER
H.G.WELLS
WIENER
Von Neumann
KURCHATOV
Appleton
dinnu
Nicolaev
SHAJN
Nušl
Larmor
30N
TRUMPLER
MARE
(Moscow Sea)
MOSCOVIENSE
Komarov
Freundlich
TIHOMIROV
Vernadsky
Siedentopf
Belyaev
Konstantinov
ANDERSON
15N
Kohlschütter
Spencer Jones
Sharonov
Papaleski
OSTWALD
MENDELEEV
Schuster
Mandel'shtam
King
Vening Meinesz
0
Schliemann
Daedalus
CHAPLYGIN
Dellinger
Marconi
KEELER
HEAVISIDE
Perepelkin
Danjon
Chauvenet
Beijerinck
ratyuk
15S
AITKEN
0+00
FERMI
GAGARIN
Cyrano
TSIOLKOVSKY
74
Paracelsus
Levi-Civita
NEUJMIN
74
PAVLOV
Sierpinski
VAN DE GRAAFF
0+00
30S
O'Day
Birkeland
THOMSON
MARE INGENII
(Sea of Ingenuity)
EÖTVÖS
JULES VERNE
LEIBNITZ
Obruchev
Lundmark
Ramsay
ROCHE
KOCH
165E
ORESME
20E
Carver
135E
150E
PAULI
VON KÁRMÁN


20E
BRIDGMAN
CAMPBELL
Langevin
180
165W
150W
135W
WOOD
135E
150E
165E
CHANDLER
LEY
H.G.WELLS
WIENER
Von
Neumann
Schneller
Kulik
FOWLER
Von
Zeipel
Perrine
KURCHATOV
Appleton
Parsons
Evershed
CHARLIER
Nicolaev
Gadomski
Sanford
Nušl
SHAJN
Larmor
Larmor
COCKCROFT
Kovalevskaya
MARE
(Moscow Sea)
MOSCOVIENSE
30N
TRUMPLER
30N
Fitzgerald
JOULE
Komarov
Freundlich
HORIZON LIMIT
Vernadsky
Siedentopf
Belyaev
TIHOMIROV
Jackson
Konstantinov
Morse
ANDERSON
Mitra
MACH
POYNTING
FERSMAN
McMath
Kekule'
15N
Kohlschütter
15N
Raimond
Spencer
Jones
Sharonov
Henyey
Artem'ev
OSTWALD
Papaleski
MENDELEEV
Zhukovsky
Schuster
King
Mandel'shtam
Krasovsky
TSANDER
MICHEL
Vening
Meinesz
Kibal'chich
0
HERTZSPRUNG
0
Schliemann
Congreve
Vavilov
KOROLEV
Daedalus
Icarus
CHAPLYGIN
Daedalus
Dellinger
Perepelkin
Marconi
KEELER
HEAVISIDE
Chauvenet
Danjon
Beijerinck
Racah
Doppler
PASCHEN
Fridman
15S
Joffe
15S
GALOIS
AITKEN
0+00
Belopolsky
Houze
FERMI
GAGARIN
Cyrano
TSIOLKOVSKY
Strömgren
Levi-
Civita
Paracelsus
Gerasi
Plummer
Orlov
NEUJMIN
Sierpinski
VAN DE
GRAAFF
0+00
2+00
Barringer
PAVLOV
Mariotte
Rumford
30S
O'Day
30S
Birkeland
Leeuwenhoek
Kleimenov
THOMSON
Dryden
EÖTVÖS
MARE INGENII
(Sea of Ingenuity)
OPPENHEIMER
APOLLO
CHEBYSHEV
BROUWER
JULES VERNE
LEIBNITZ
Davisson
Langmuir
Obruchev
Lundmark
Chaffee
Borman
Ramsay
LEIBNITZ
Maksutov
BUFFON
ROCHE
KOCH
20E
135E
150E
165E
ORESME
180
165W
150W
135W
120
Carver
PAULI
VON KARMAN



105W
90W
75W
60W
45W
30W
15W
GERARD
Harding
SINUS IRIDUM
(Bay of Rainbows)
MONTES JURA
Piazzi Smyth
Bunsen
Avicenna
Rasumov
Frost
Petropavlovsky
Winlock
Lavoisier
Mons Rümker
Mairan
Helicon
Le Verrier
MARE
(Sea of Rains)
IMBRIUM
NERNST
LORENTZ
RÖNTGEN
Aston
Ulugh Beigh
Lichtenberg
Gruithuisen
C. Herschel
Aristillus
Archimedes
OCEANUS
(Ocean of Storms)
PROCELLARUM
30N
Delisle
Krieger
Leucippus
Laue
Voskresensky
Parenago
Berkner
Russell
Briggs
Vallis Schröteri
Diophantus
Timocharis
Lambert
PALUS PUTREDINIS
Robertson
Bell
Moseley
STRUVE
EDDINGTON
Schiaparelli
Herodotus
Aristarchus
Prinz
Euler
Comstock
Balboa
Seleucus
Rima Marius
Pytheas
Alter
Krafft
Dalton
EINSTEIN
Kamerlingh Onnes
15N
Tobias Mayer
MONTES CARPATUS
Eratosthenes
MONTES APENNINUS
Nobel
Vasco da Gama
Cardanus
Marius
Bohr
SINUS AESTUUM
(Seething Bay)
COPERNICUS
Kolhörster
Elvey
Kepler
Olbers
Cavalerius
Reiner
Encke
Pallas
HEDIN
HEVELIUS
Reinhold
Leuschner
0
Lansberg
Mösting
SINUS
Flammarion
Schlüter
RICCIOLI
Damoiseau
Flamsteed
Fra Mauro
MONTES CORDILLERA
Hartwig
GRIMALDI
MONTES RIPHAEUS
MARE
(Known Sea)
COGNITUM
Bonpland
Parry
Herschel
PTOLEMAEUS
Lucretius
LETRONNE
Lowell
MONTES ROOK
Rocca
Sirsalis
Hansteen
Billy
Maunder
ALPHONSUS
15S
Kopff
Fontana
Crüger
GASSENDI
Alpetragius
Lubiniezky
MARE
(Eastern Sea)
ORIENTALE
DARWIN
Rima Sirsalis
Mersenius
MARE
(Sea of Moisture)
HUMORUM
Bullialdus
MARE
(Sea of Clouds)
NUBIUM
Rupes Recta
Thebit
Eichstädt
HORIZON LIMIT
Prosper Henry
Liebig
König
La Caille
Lamarck
Byrgius
Cavendish
Hippalus
PURBACH
Nicholson
Pettit
Campanus
Hesiodus
REGIOMONTANUS
Vieta
Doppelmayer
Mercator
PITATUS
30S
Vitello
Lee
Wright
Fourier
PALUS EPIDEMIARUM
(Marsh of Diseases)
DESLANDRES
Hell
LAGRANGE
Shaler
Capuanus
Cichus
Wurzelbauer
Ball
PIAZZI
Vallis Bouvard
Lacroix
Clausius
Heinsius
Drebbel
ORONTIUS
Graff
Baade
SCHICKARD
MEE
WILHELM
TYCHO
Sauss
1+30
1+00
74


MONTES ALPES
15E
Eudoxus
30E
Mason
45E
Oersted
Shuckburgh
60E
75E
Vashakidze
90E
105E
FABRY
Plana
Grove
Cepheus
Cassini
Alexander
LACUS
(Lake of Dreams)
SOMNIORUM
CAUCASUS
Calippus
Franklin
MESSALA
RIEMANN
Sumner
Canta
MONTES
Bernouilli
GAUSS
Geminus
VESTINE
SZILARD
Harriot
MARE
POSIDONIUS
Berosus
Burckhardt
Hahn
Autolycus
1+00
30N
Chacornac
Newcomb
30N
RAYLEIGH
30N
SEYFERT
Tralles
CLEOMEDES
Espin
Le Monnier
Seneca
Liapunov
JOLIOT
Artamonov
(Sea of Serenity)
Römer
Eimmart
Plutarch
SERENITATIS
Bessel
Hubble
Conon
Littrow
Macrobius
HORIZON LIMIT
Olcott
MONTES HAEMUS
MARE
Maraldi
Vitruvius
PALUS SOMNI
(Sea of Crises)
Al-Biruni
Popov
Menelaus
Proclus
MARE
Plinius
Yerkes
CRISIUM
15N
Goddard
FLEMING
15N
15N
(Sea of Vapors)
Manilius
Jansen
Lyell
Picard
Hansen
Ginzel
VAPORUM
Ross
Lick
MARE MARGINIS
Ibn Yunus
Hertz
Guyot
Julius Caesar
MARE
Condorcet
(Border Sea)
Jansky
0+30
Rima Hyginus
Rima
Ariadaeus
Firmicus
MARE
NEPER
Moiseev
Lobachevsky
Ukert
Arago
(Sea of Tranquility)
UNDARUM
Taruntius
Apollonius
Dubiago
Banachiewicz
Triesnecker
Agrippa
TRANQUILLITATIS
MARE
Saenger
MEDII
Godin
Ritter
Sabine
Maskelyne
MARE
SPUMANS
Schubert
Babcock
MARE
Rhaeticus
0
0
(Smyth's Sea)
0
Delambre
Messier
Webb
Maclaurin
SMYTHII
Saha
Saunder
GILBERT
Vesalius
Taylor
Torricelli
(Sea of Fertility)
HIPPARCHUS
KÄSTNER
HIRAYAMA
Einthoven
Capella
Gutenberg
Halley
Theophilus
FECUNDITATIS
LANGRENUS
Mädler
Goclenius
La Pérouse
Langemak
Klein
Kant
Daguerre
Brunner
ALBATEGNIUS
MARE
PYRENAEUS
Kapteyn
PASTEUR
Meitner
Cyrillus
Ansgarius
Abulfeda
Colombo
15S
Tacitus
(Sea of Nectar)
Lamé
15S
15S
Konc
Arzachel
Almanon
Cook
VENDELINUS
Behaim
Geber
Catharina
NECTARIS
Holden
Gibbs
HILBERT
Abenezra
Azophi
Rupes
MONTES
Santbech
BALMER
SKLODOWSKA
Polybius
FRACASTORIUS
HECATAEUS
0+30
Playfair
Sacrobosco
Altai
HORIZON LIMIT
Wrottesley
PETAVIUS
CURIE
Alden
Apianus
Pontanus
Vallis
PHILLIPS
HUMBOLDT
Scaliger
Werner
Piccolomini
Reichenbach
Legendre
BARNARD
Aliacensis
30S
Rothmann
Snellius
30S
30S
MILNE
Zagut
Neander
Stevinus
Adams
Lindenau
Snellius
ALTER
Gemma Frisius
Rabbi Levi
Stiborius
Parkhurst
ABEL
MARE
FURNERIUS
Rheita
(Southern Sea)
Miller
Buch
Fraunhofer
AUSTRALE
STÖFLER
MAUROLYCUS
Metius
Marinus
Gum
Vallis
Young
Nicolai
Jenner
Nasireddin
Rheita
FABRICIUS
Hamilton
LAMB
15E
30E
45E
60E
75E
OKEN
90E
105E
BAROCIUS
JANSSEN
Van der Waals



HADLEY RILLE

JUNE 5, 1971

1:100,000

GRID INTERVAL 1000 METERS

JUNE 5, 1971

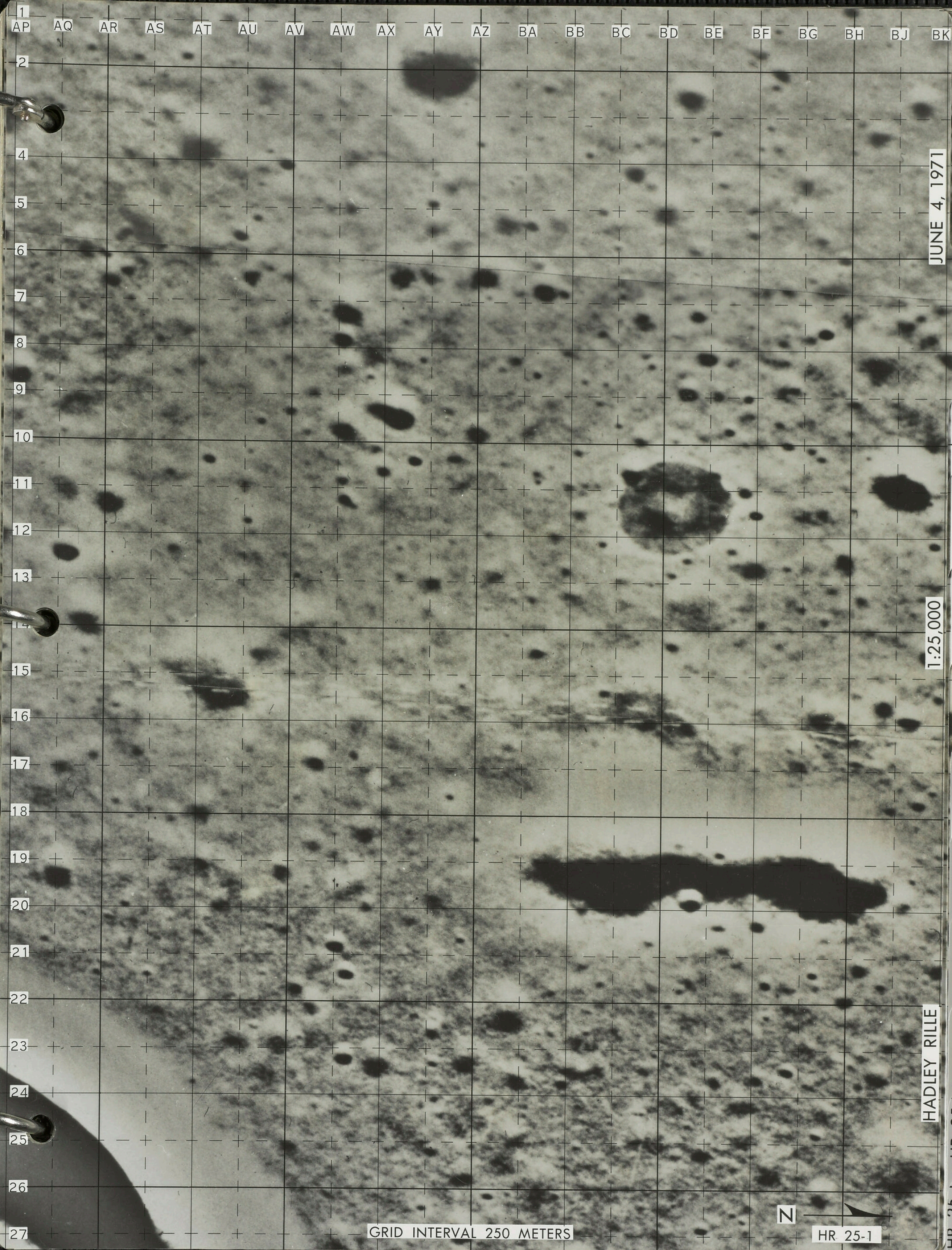
1:50,000

HADLEY RILLE

GRID INTERVAL 500 METERS

HR 50

HR 25-12
HR 25-1
HR 50
HR 25-
HR 25
HR 25-3
HR 25-
HR 25-
HR 25-
HR 25-7
HR 25-8
HR 25-9
HR 25-1
HR 25-1



JUNE 4, 1971

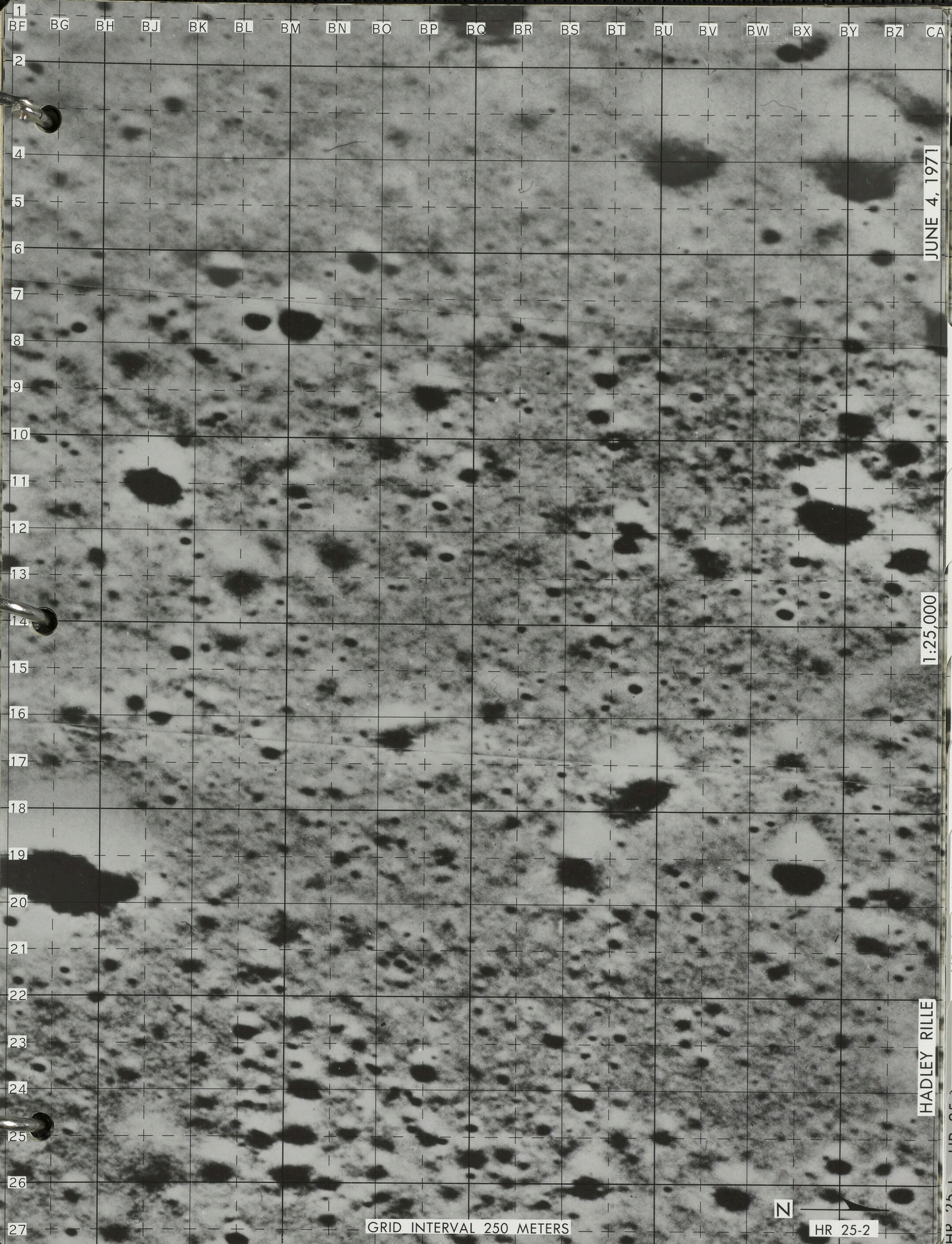
1:25,000

HADLEY RILLE

GRID INTERVAL 250 METERS

HR 25-1

HR 25-12
HR 25-3
HR 25-7
HR 25-8
HR 25-9



HADLEY RILLE

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GRID INTERVAL 250 METERS

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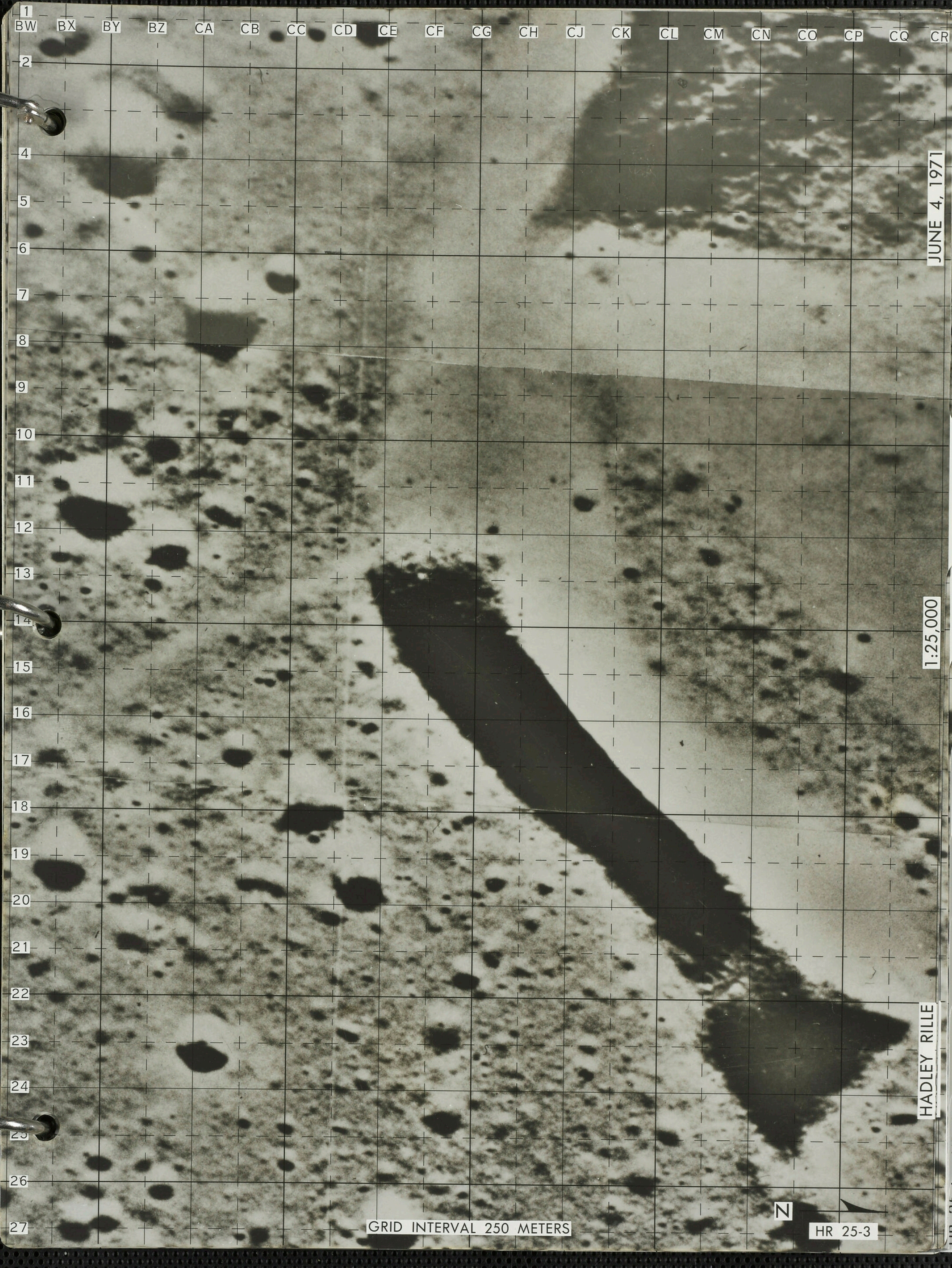


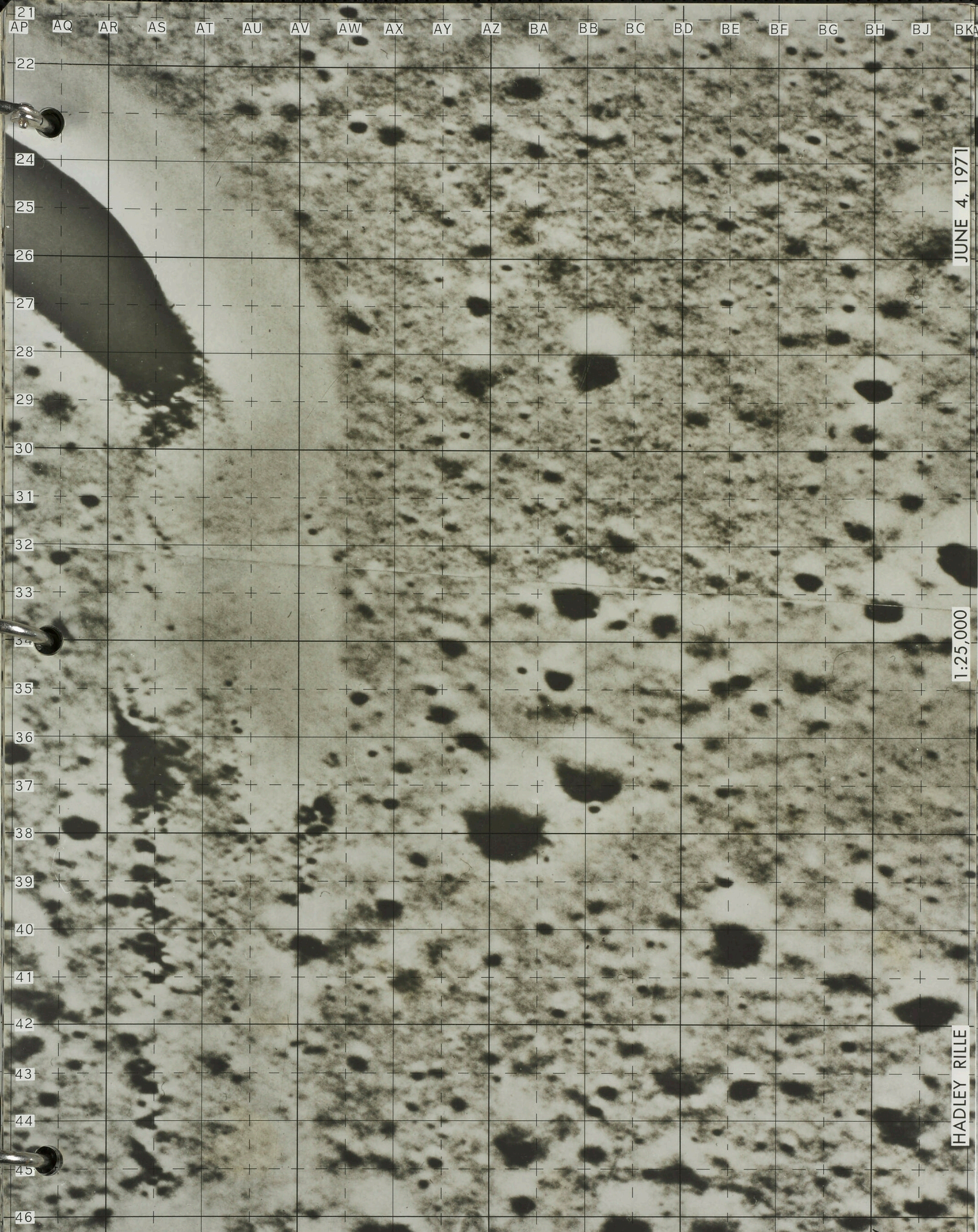
HADLEY RILLE

JUNE 4, 1971

1:25,000

GRID INTERVAL 250 METERS

HR 25-3



HADLEY RILLE

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JUNE 4, 1971

GRID INTERVAL 250 METERS

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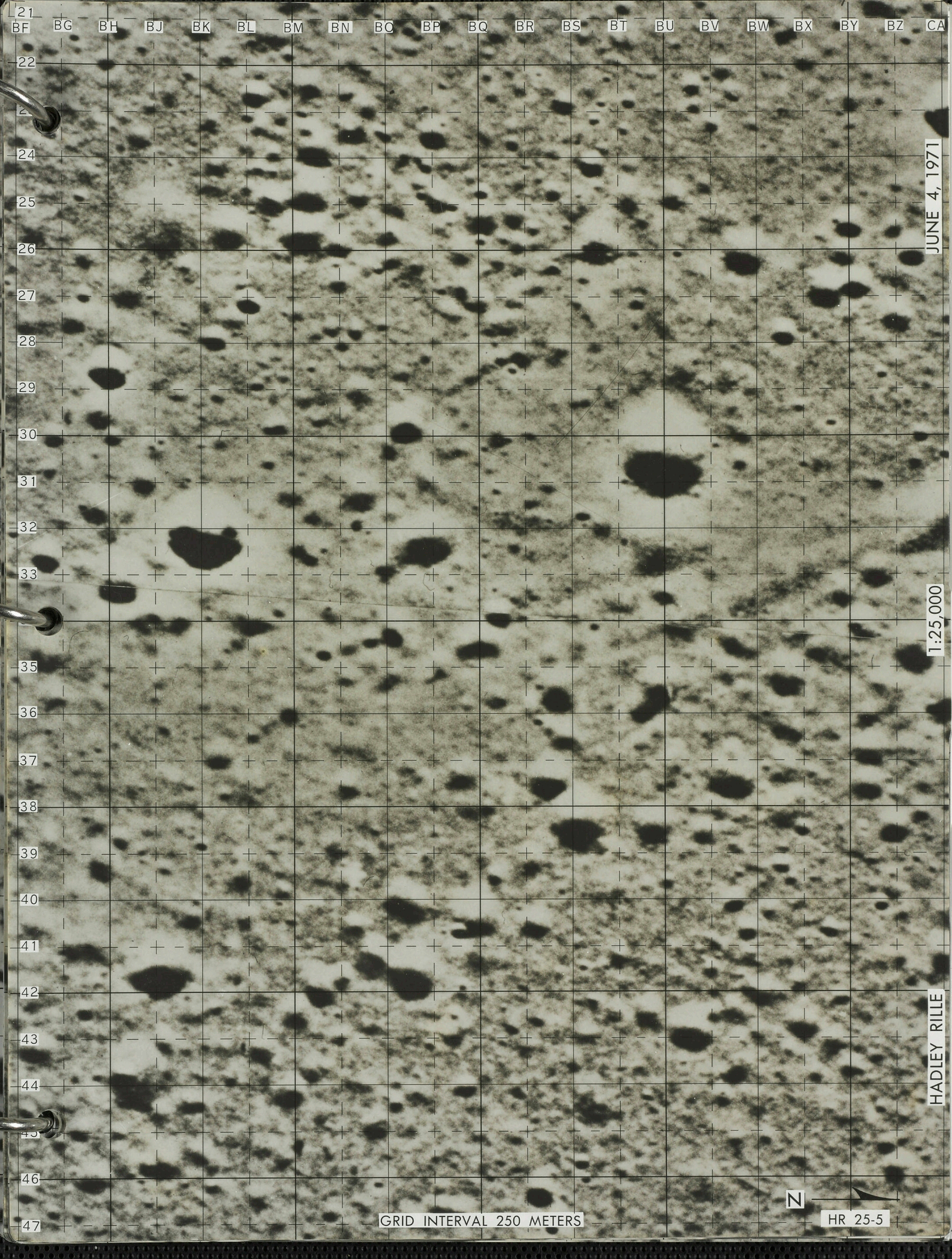

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JUNE 4, 1971

GRID INTERVAL 250 METERS

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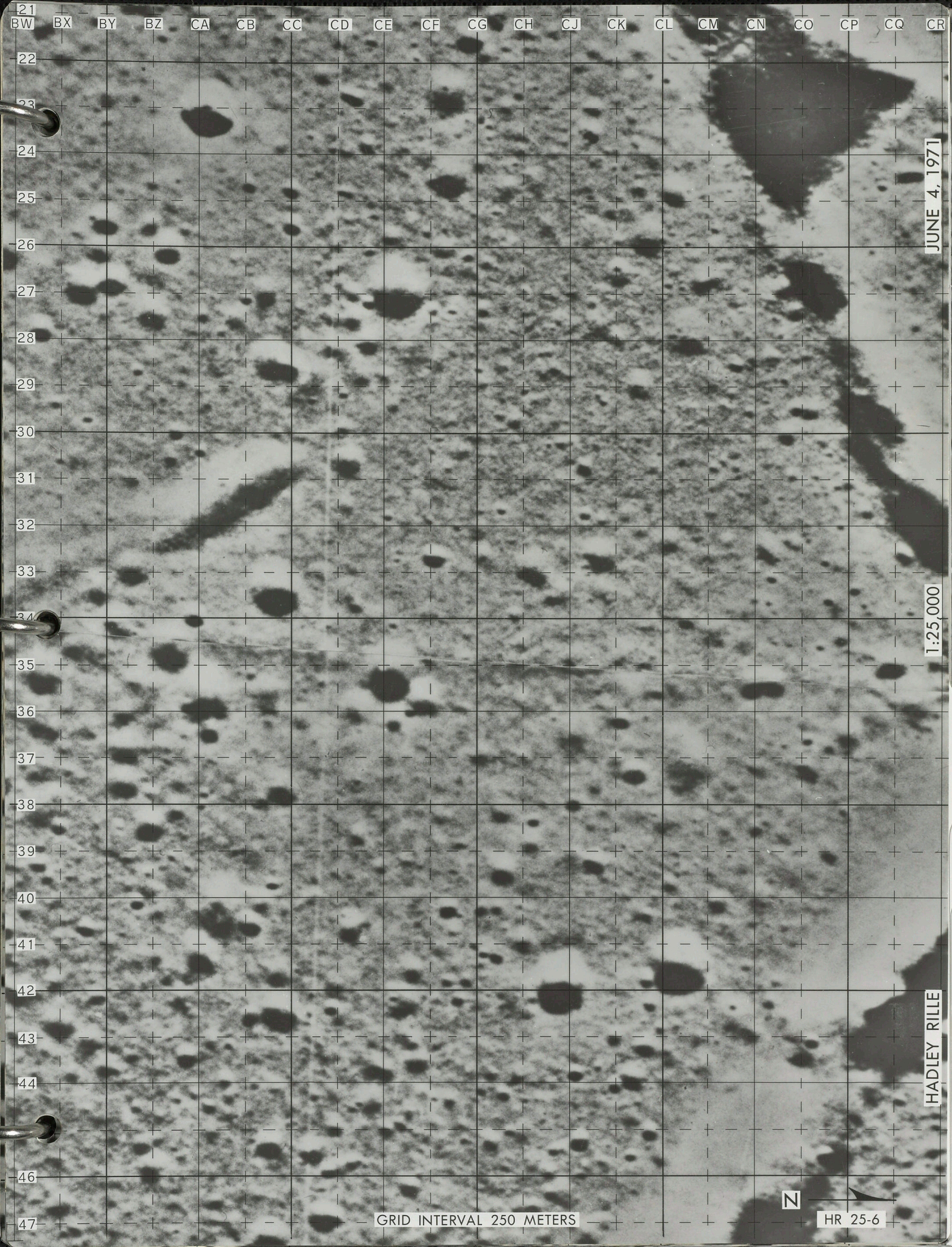

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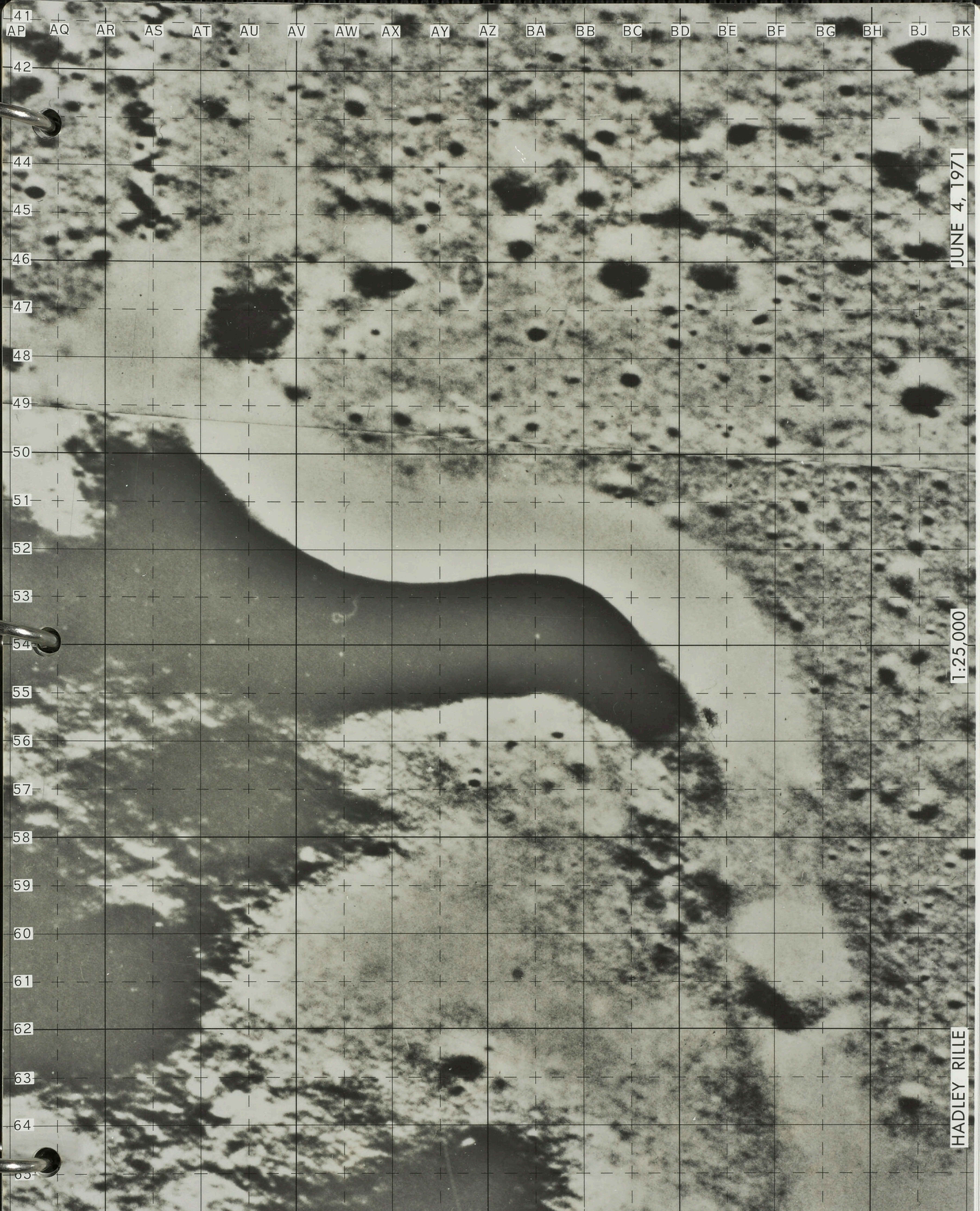
HADLEY RILLE

GRID INTERVAL 250 METERS

HR 25-6



HADLEY RILLE

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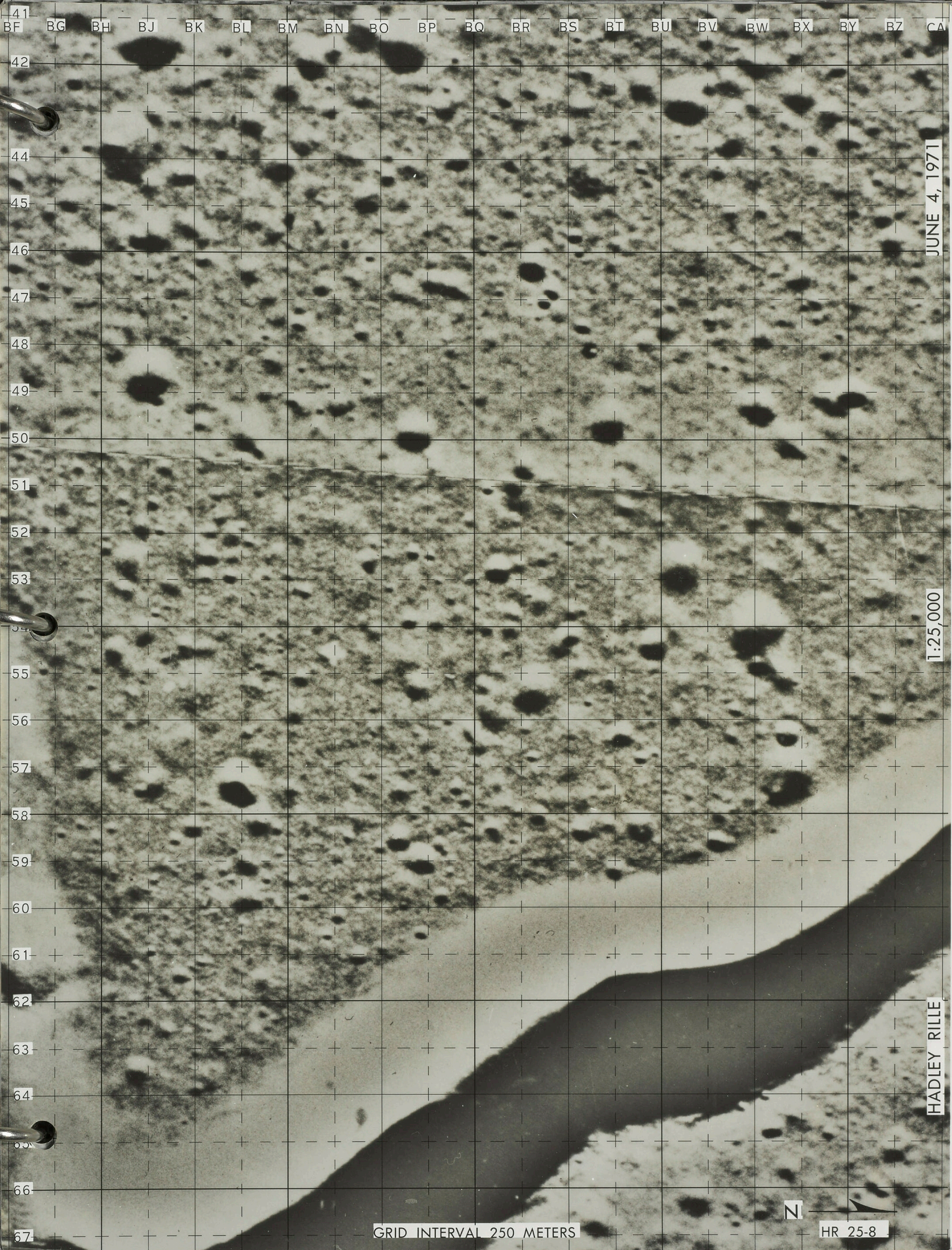
GRID INTERVAL 250 METERS

HR 25-7



JUNE 4, 1971

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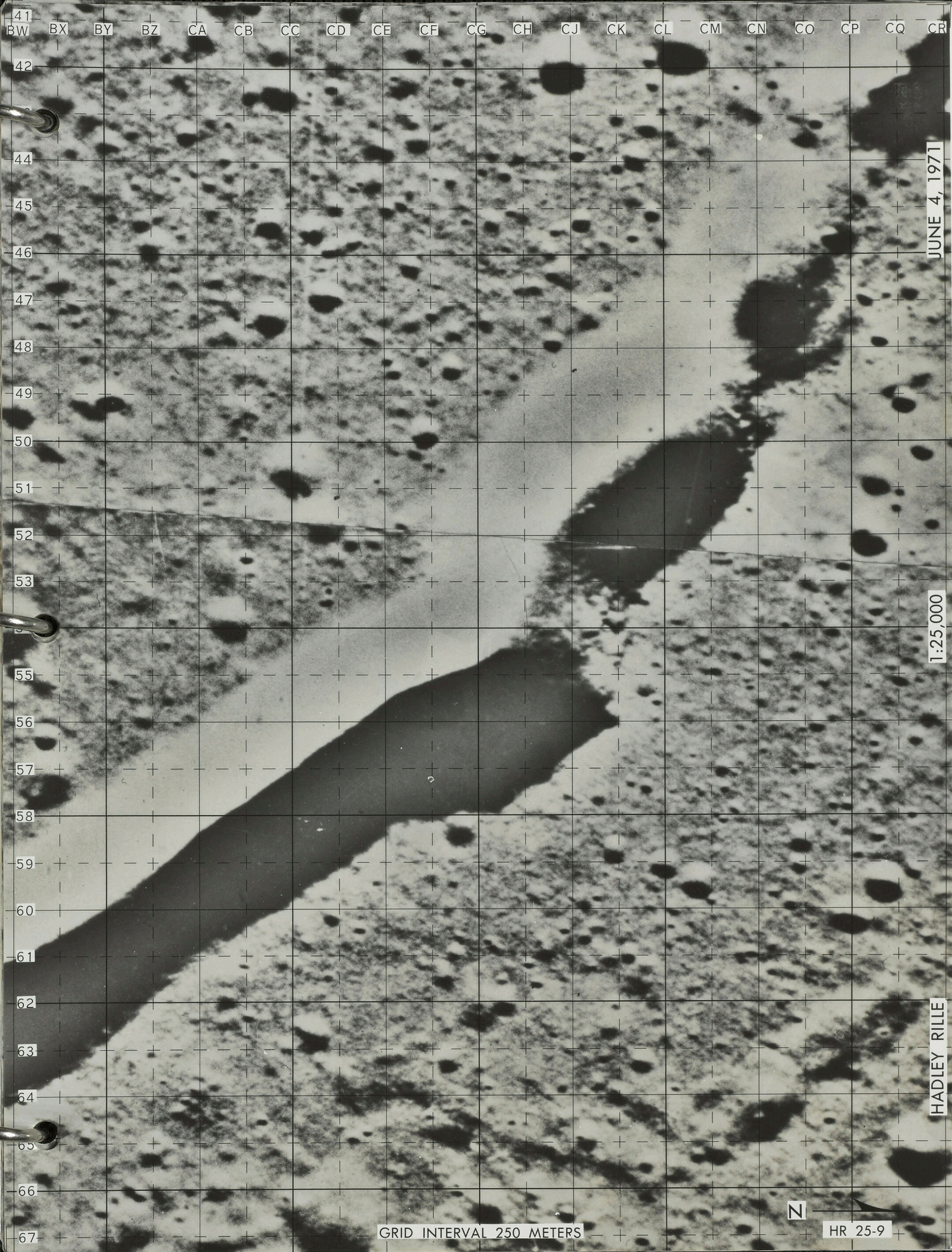
HADLEY RILLE

GRID INTERVAL 250 METERS

HR 25-8



HADLEY RILLE

JUNE 4, 1971

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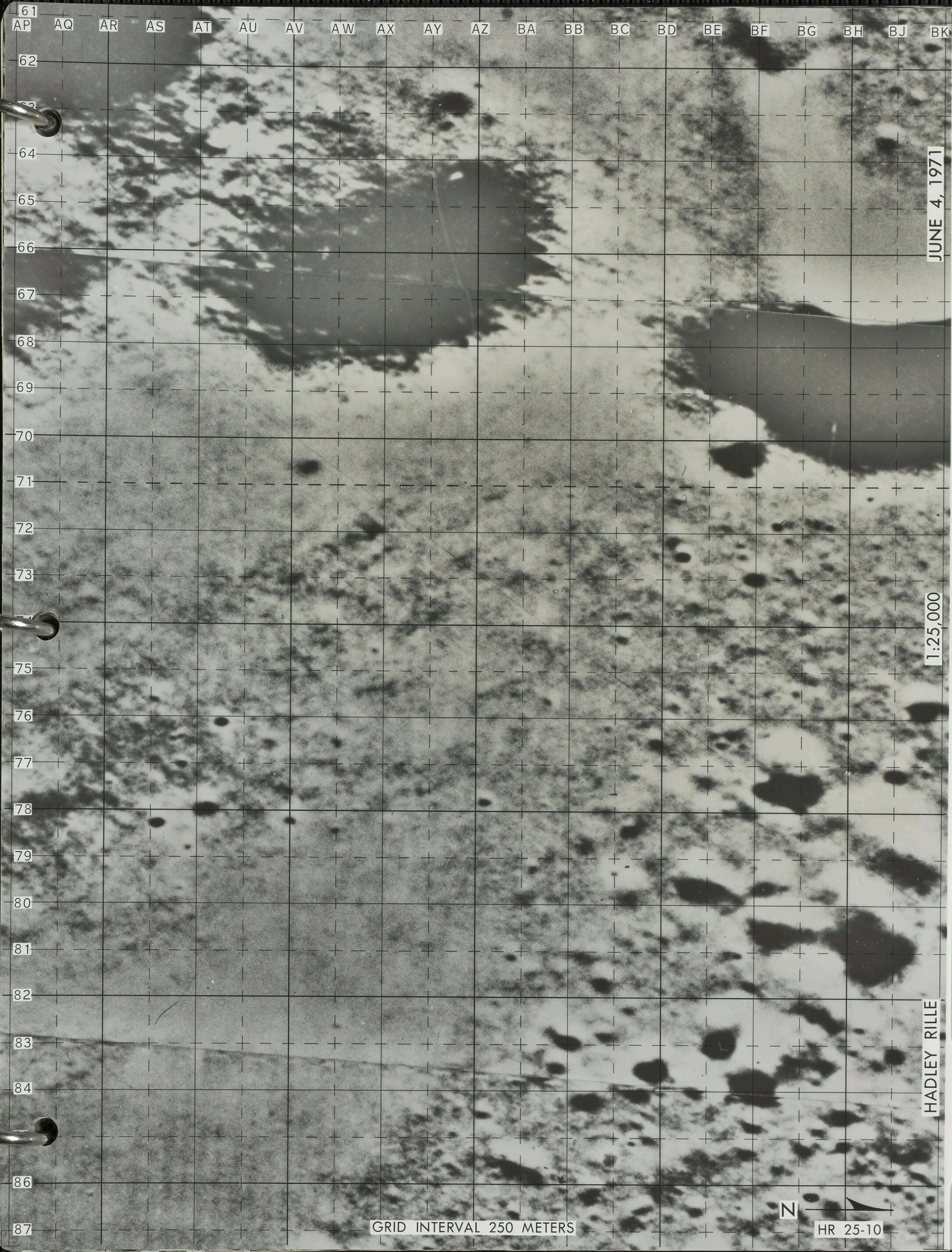
GRID INTERVAL 250 METERS

HR 25-9

HR 25-9



HADLEY RILLE

HR 25-10

JUNE 4, 1971

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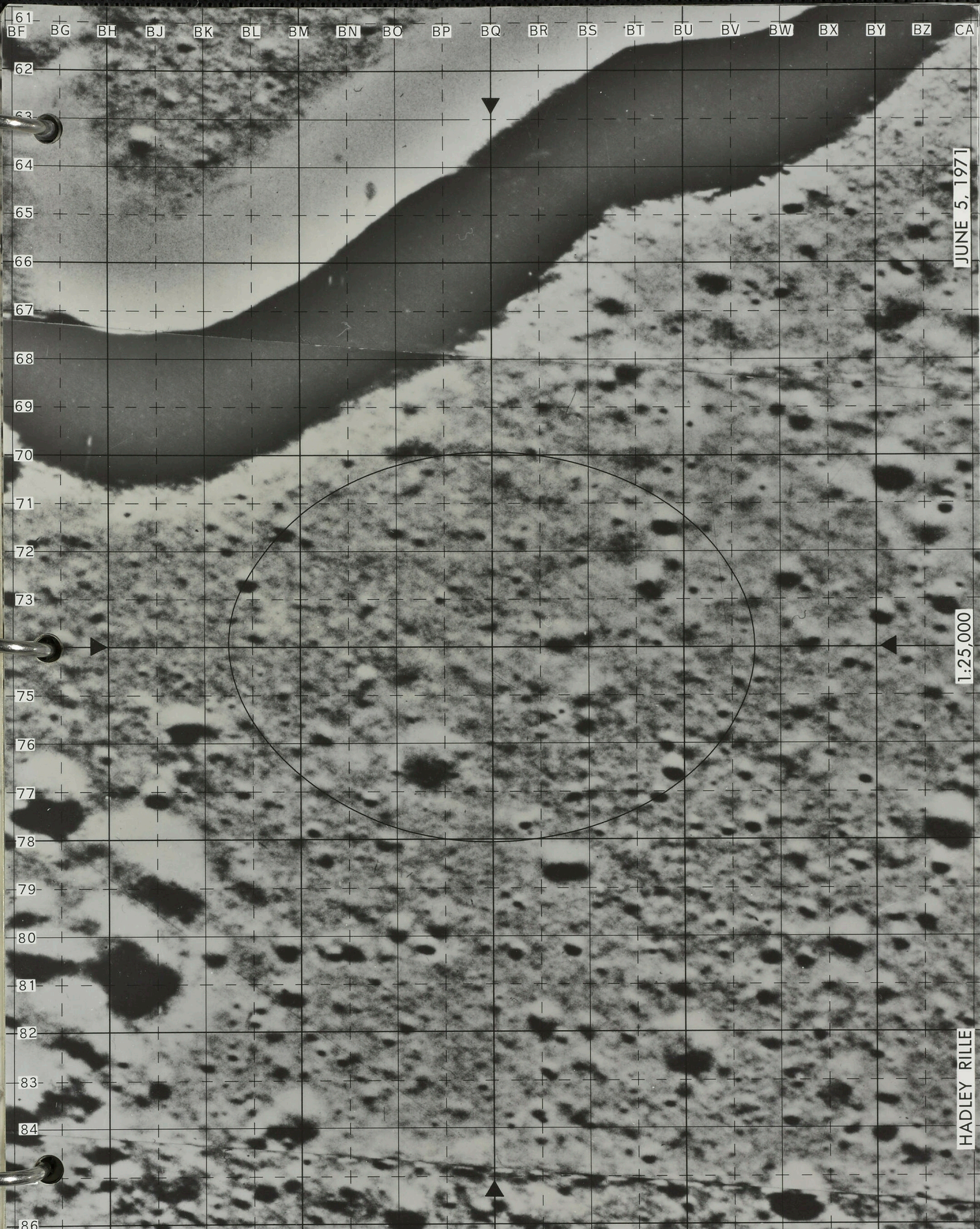
GRID INTERVAL 250 METERS

HR 25-10



JUNE 5, 1971

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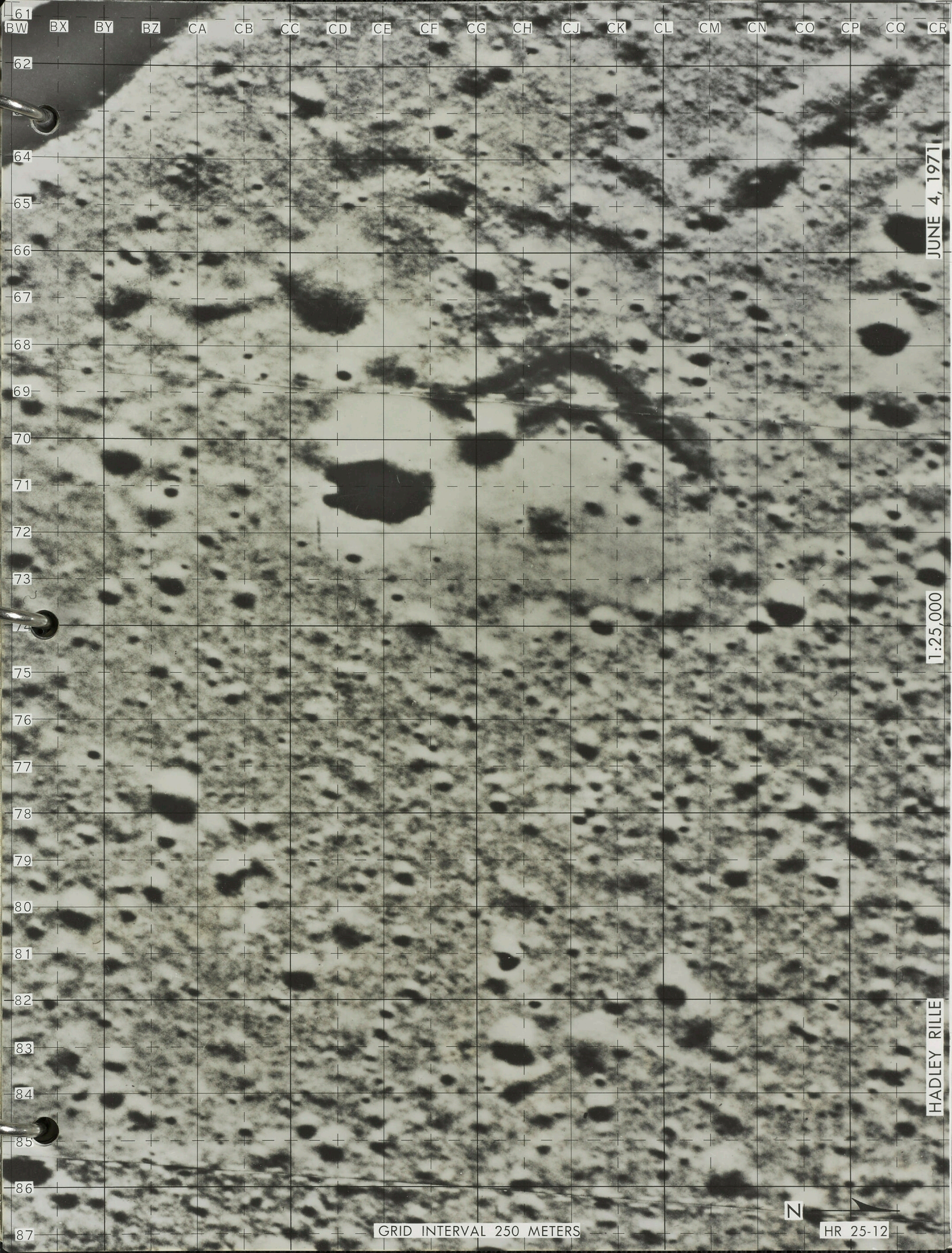
HADLEY RILLE

GRID INTERVAL 250 METERS

HR 25-11



JUNE 4, 1971

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HADLEY RILLE

GRID INTERVAL 250 METERS

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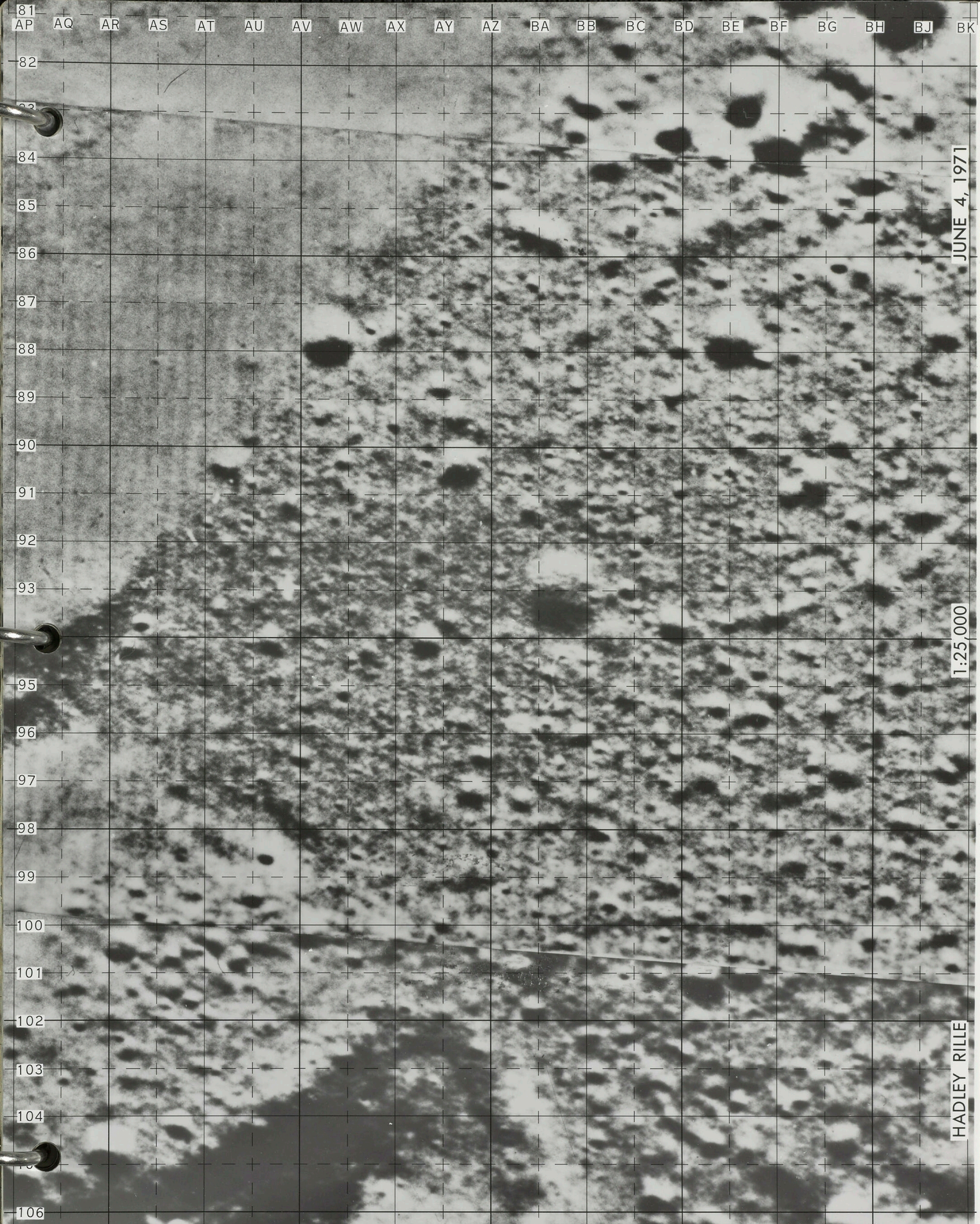


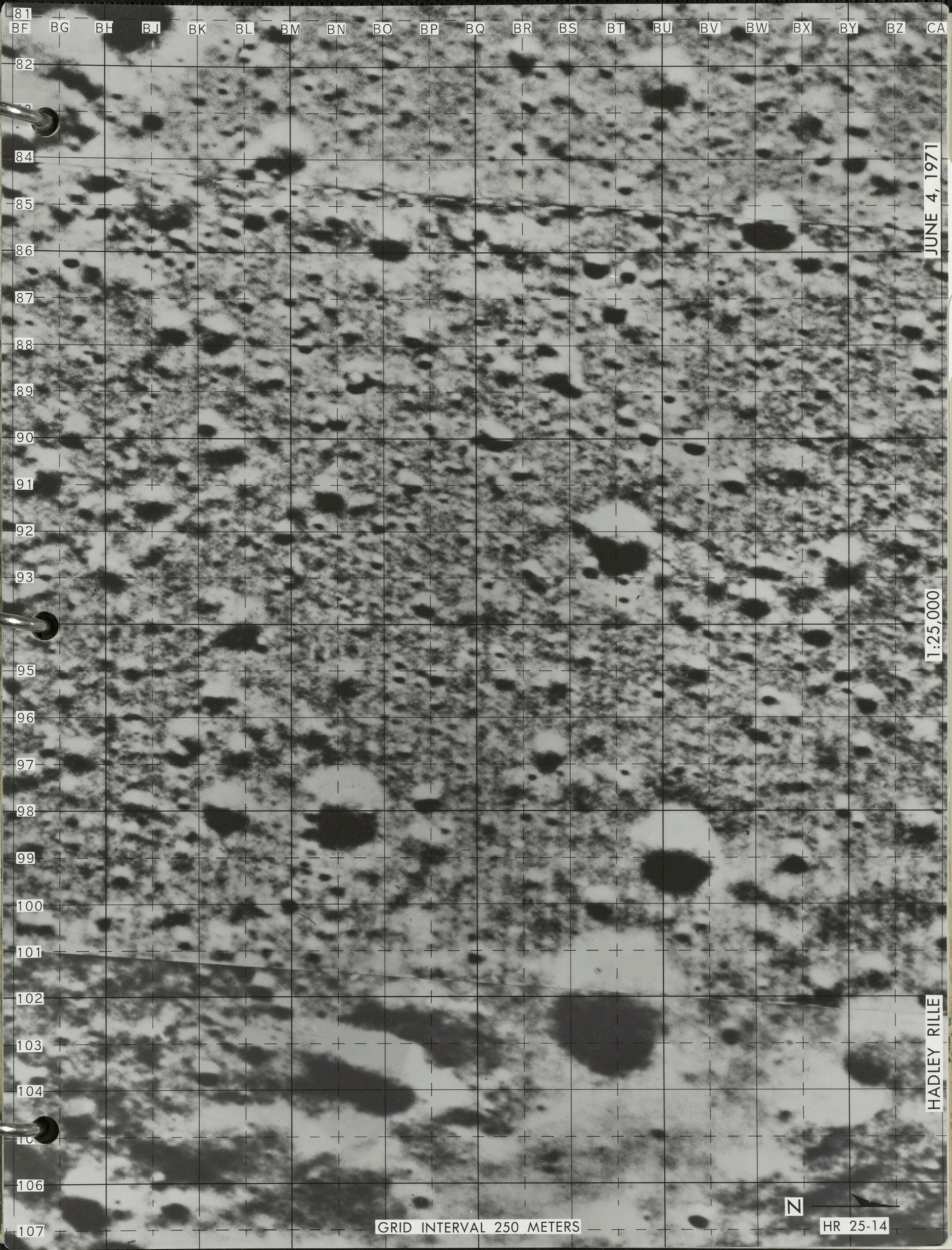
HADLEY RILLE

1:25,000

JUNE 4, 1971

GRID INTERVAL 250 METERS

HR 25-13



HADLEY RILLE

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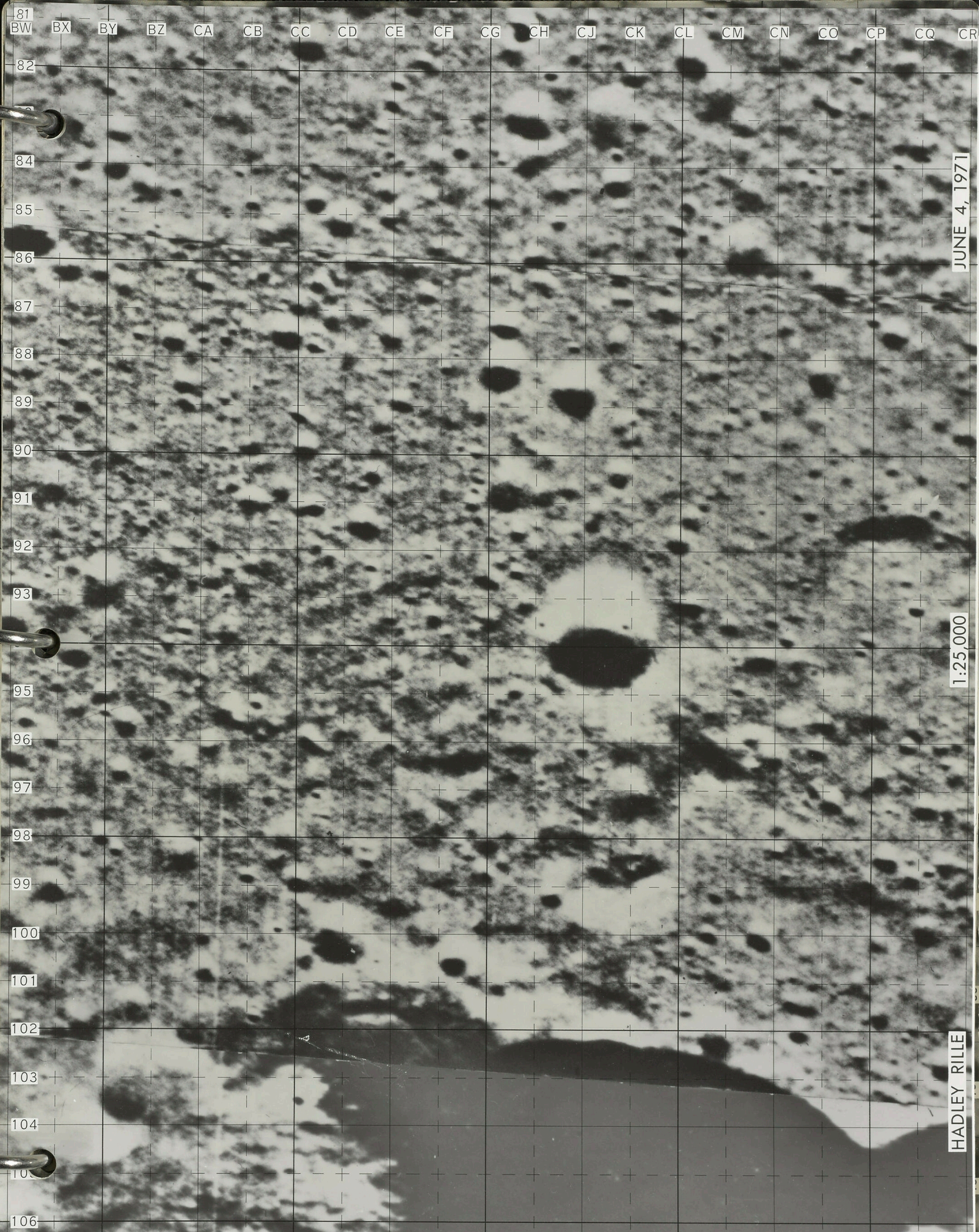
JUNE 4, 1971

GRID INTERVAL 250 METERS

HR 25-14

HR 25-14


81
BW BX BY BZ CA CB CC CD CE CF CG CH CJ CK CL CM CN CO CP CQ CR
82
84
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95
96
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98
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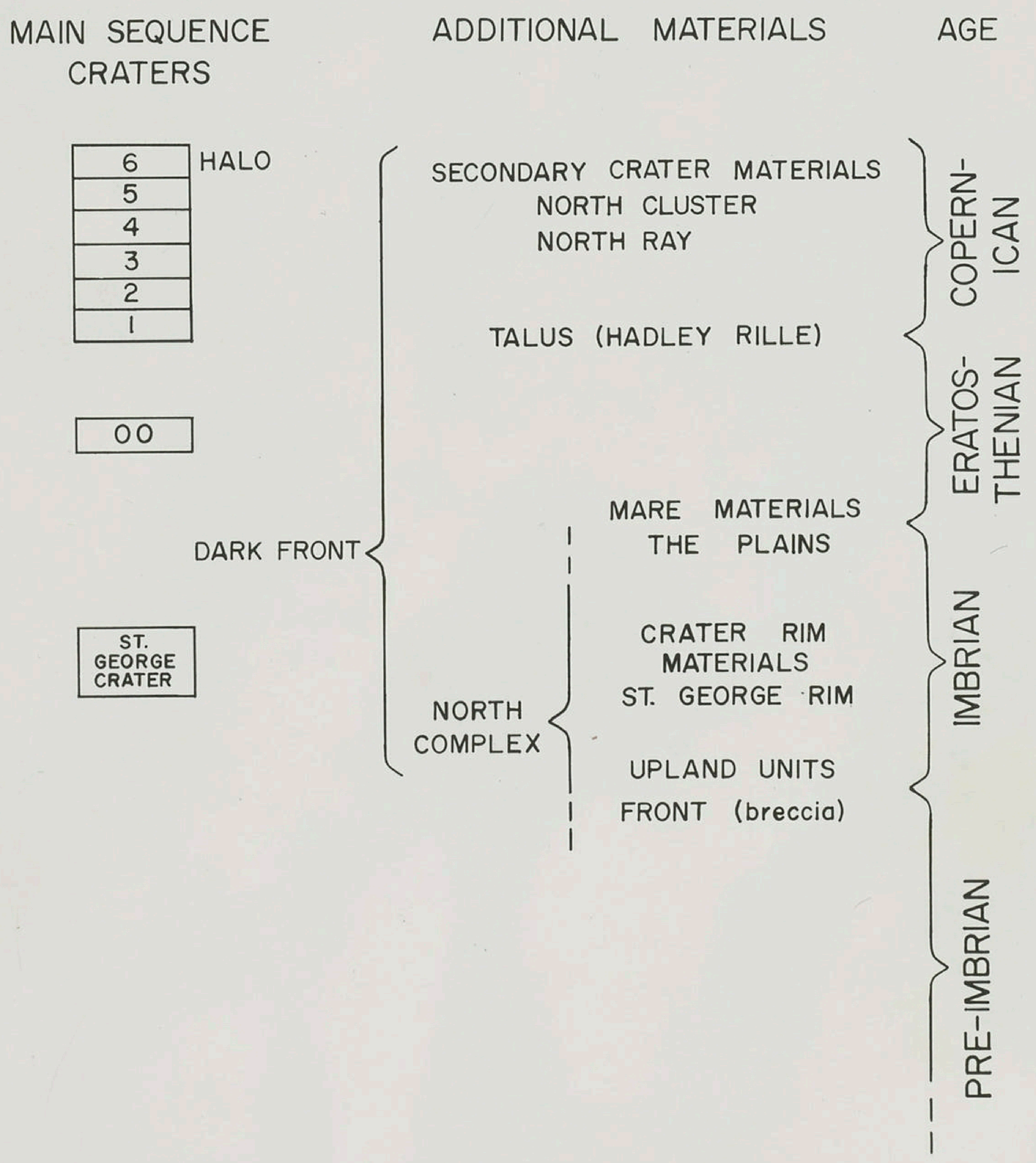
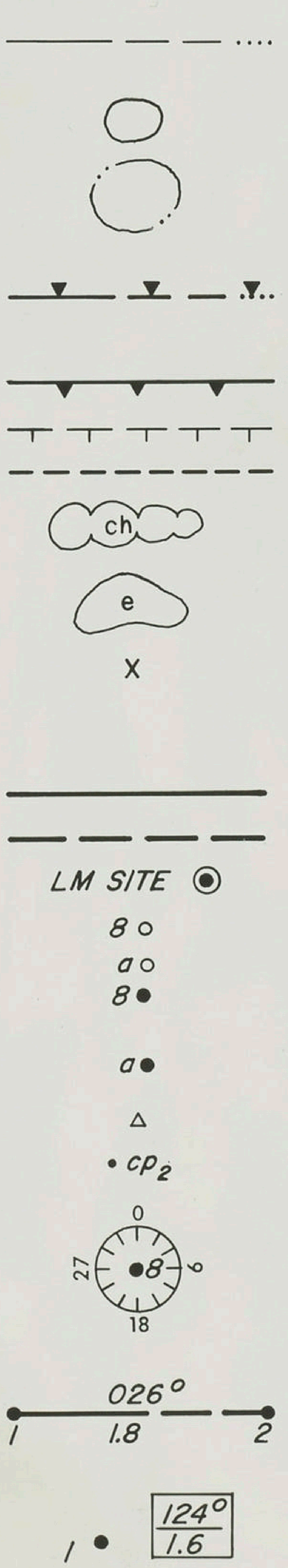
100
101
102
103
104
106
107
JUNE 4, 1971
1:25,000
HADLEY RILLE
GRID INTERVAL 250 METERS
N
HR 25-15

HADLEY-APENNINE LANDING SITE
APOLLO 15 – 1:12,500 AND 1:25,000
GEOLOGIC MAP EXPLANATION



U.S.G.S., Center of Astrogeology



GEOLOGIC SYMBOLS (WHITE)

GEOLOGIC CONTACT; DASHED WHERE INDEFINITE DOTTED WHERE BURIED OR HIDDEN

CRATER RIM CREST

PARTIALLY MANTLED OR FLOODED CRATER RIM CREST

SCARP; GEOLOGIC CONTACT WHEN SOLID; DASHED WHERE INFERRED; DOTTED WHERE HIDDEN; BARBS POINT DOWNSLOPE

TOP OF SHARP SCARP

EDGE OF RILLE OR RILLE-LIKE DEPRESSION

LINEAMENTS

CHAIN CRATERS

ELONGATED OR IRREGULAR CRATERS

BLOCKS

TRAVERSE SYMBOLS (BLACK)

NOMINAL LRV TRAVERSE

CONTINGENCY WALKING TRAVERSE

NOMINAL LM SITE

SPECIFIED LRV STATION POINTS

SPECIFIED WALKING STATION POINTS

SUGGESTED LRV STATION POINTS IN AREA STOP

SUGGESTED WALKING STATION POINTS IN AREA STOP

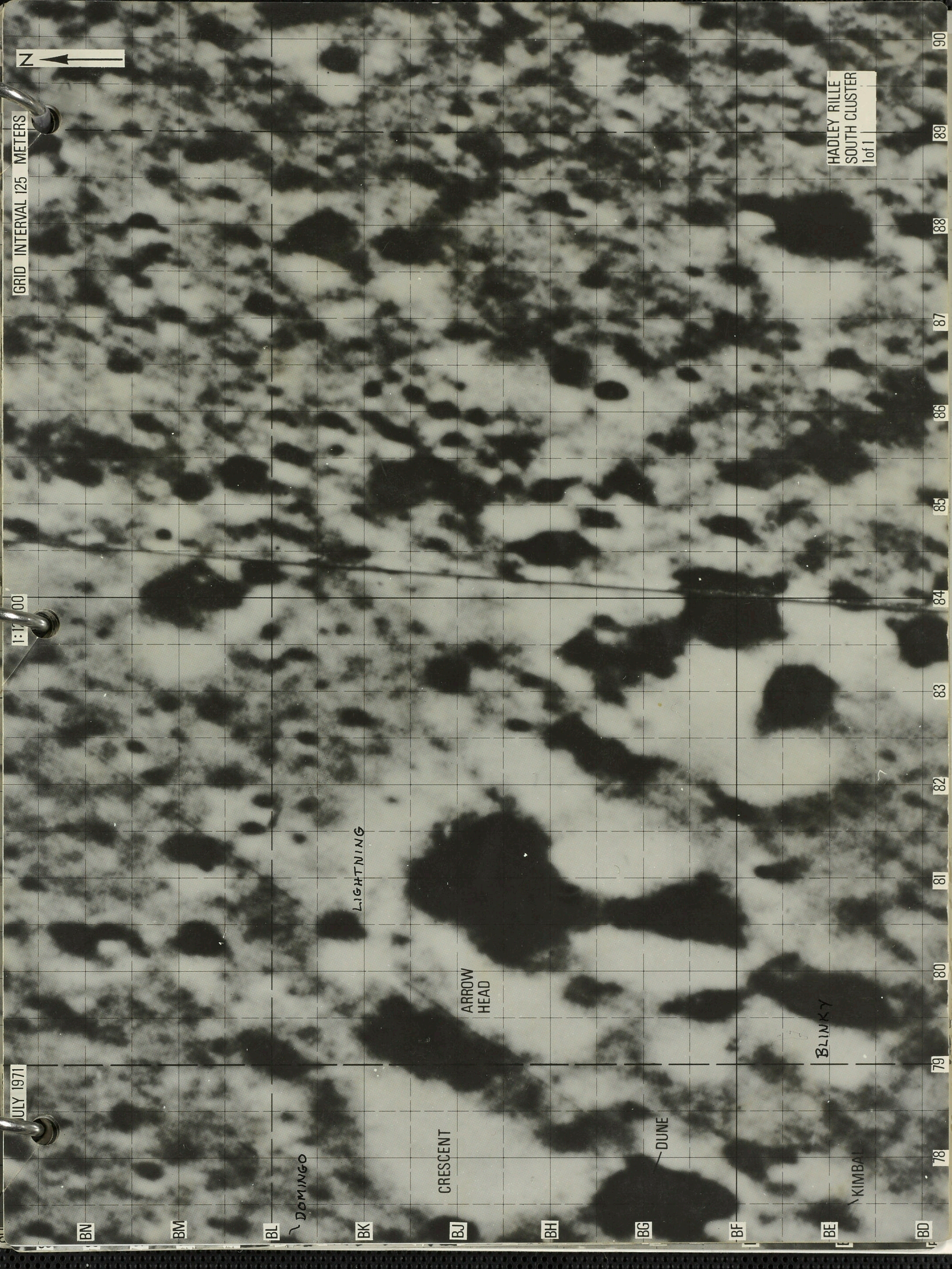
SUPPLEMENTAL SAMPLE STOP

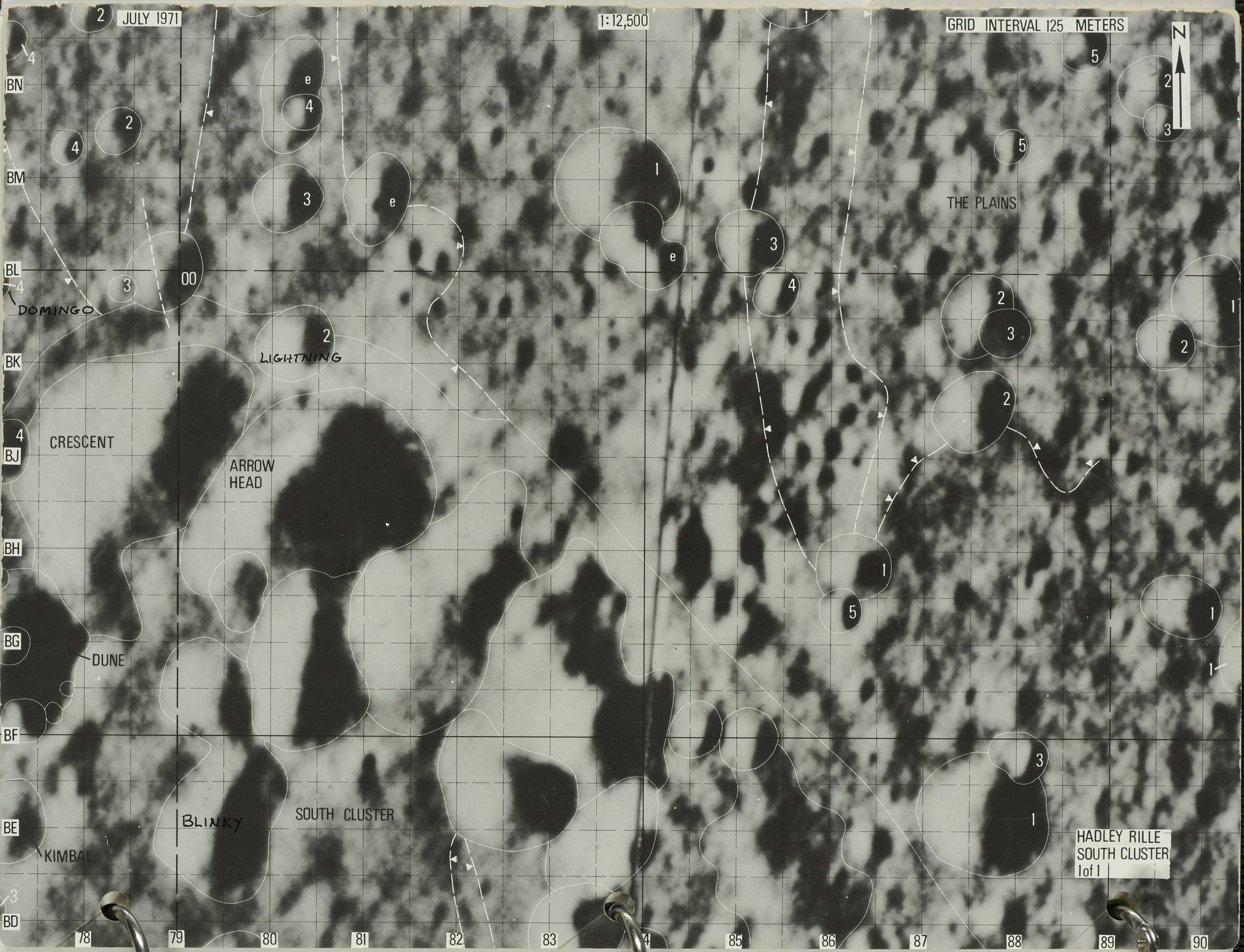
LRV CHECK POINT

1:25,000 TOPOGRAPHIC MAPS ONLY; COMPASS ROSE ON LRV STATION POINTS ORIENTED TO NORTH

AZIMUTH (026°) AND DISTANCE (1.8 km) BETWEEN STATIONS; TWO AZIMUTHS GIVEN ON CURVING TRAVERSE SEGMENTS; <u>UNCORRECTED DISTANCES</u>

BEARING (124°) AND RANGE (1.6 km) <u>SHORTEST DISTANCE</u> BACK TO LM FROM STATION POINTS


N
GRID INTERVAL 125 METERS
1:1 00
JULY 1971
HADLEY RILLE
SOUTH CLUSTER
1of1
90
89
88
87
86
85
84
83
82
81
80
79
78
BN
BM
BL
BK
BJ
BH
BG
BF
BE
BD
LIGHTNING
ARROW
HEAD
BLINKY
DUNE
CRESCENT
DOMINGO
KIMBAL


JULY 1971
1:12,500
GRID INTERVAL 125 METERS
N
HADLEY RILLE
SOUTH CLUSTER
1of1
THE PLAINS
DOMINGO
LIGHTNING
CRESCENT
ARROW HEAD
DUNE
BLINKY
SOUTH CLUSTER
KIMBAL
BN
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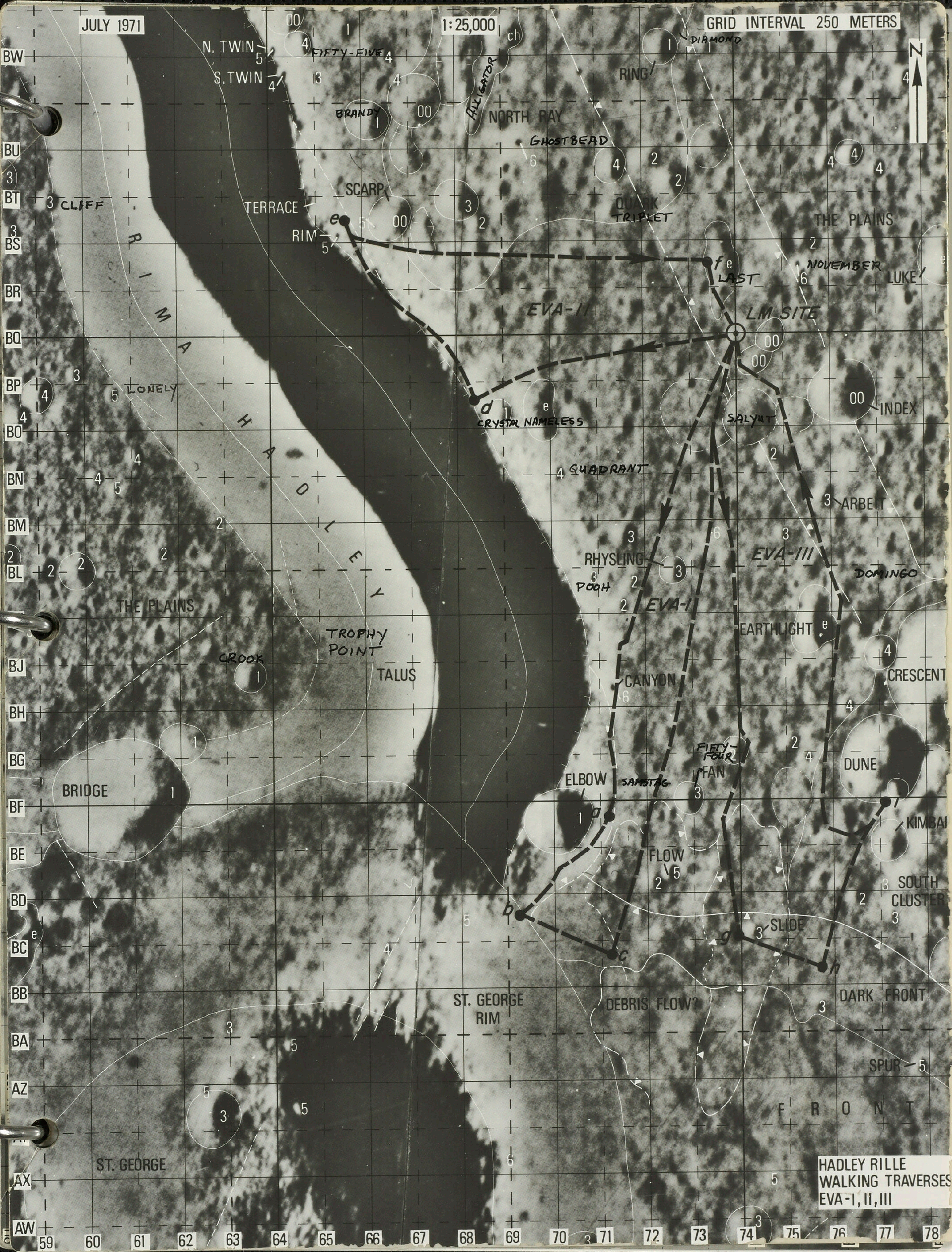
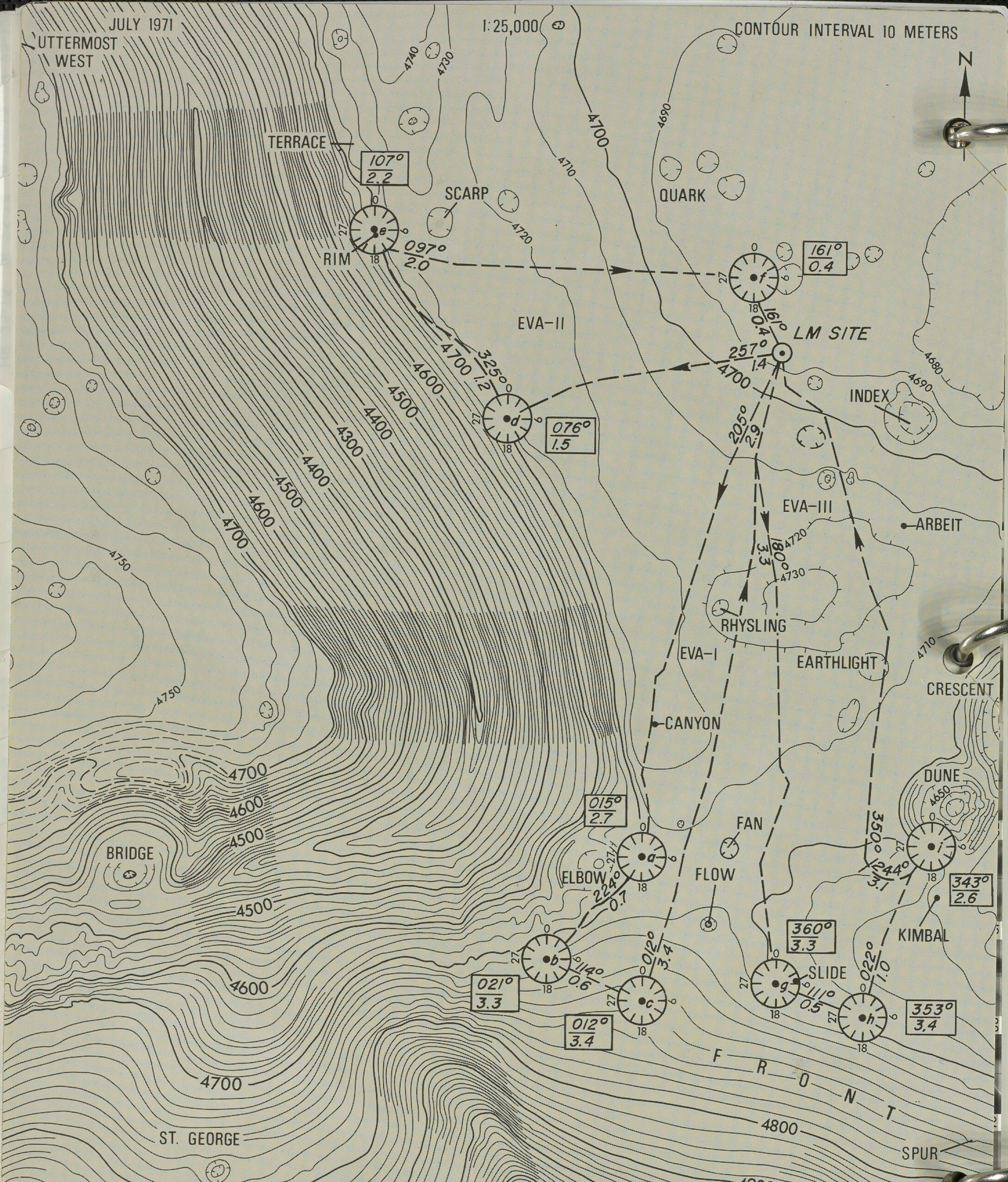
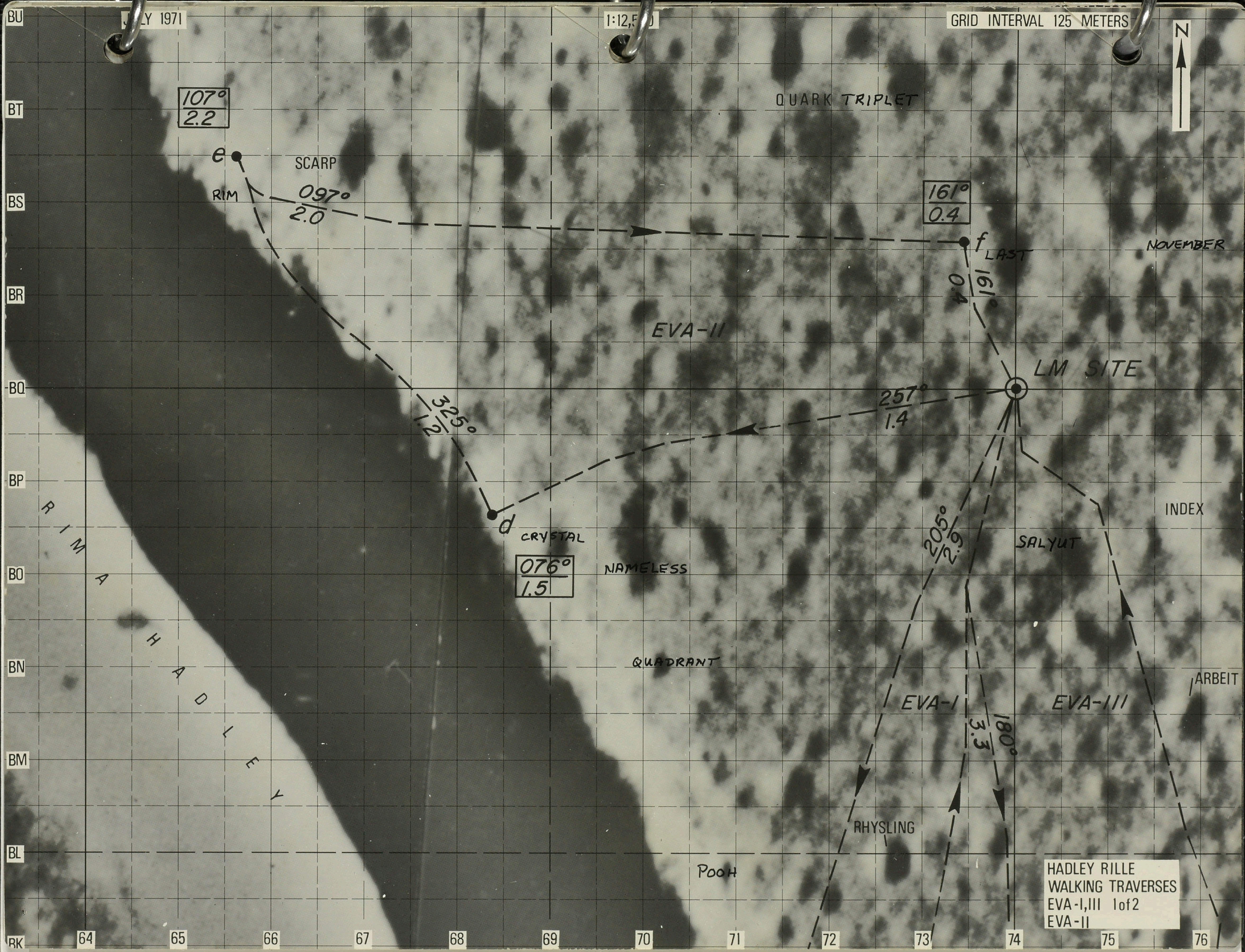


HADLEY RILLE
WALKING TRAVERSES
EVA-I, II, III



HADLEY RILLE
WALKING TRAVERSES
EVA-I, II, III


J LY 1971
1:12,5 0
GRID INTERVAL 125 METERS
N
HADLEY RILLE
WALKING TRAVERSES
EVA-I,III 1of2
EVA-II
QUARK TRIPLET
NOVEMBER
INDEX
ARBEIT
SALYUT
RHYSLING
POOH
QUADRANT
NAMELESS
CRYSTAL
SCARP
RIM
RIMA HADLEY
LM SITE
EVA-II
EVA-I
EVA-III
e
d
f LAST
107° 2.2
097° 2.0
325° 1.2
076° 1.5
257° 1.4
161° 0.4
161° 0.4
205° 2.9
180° 3.3
BU
BT
BS
BR
BQ
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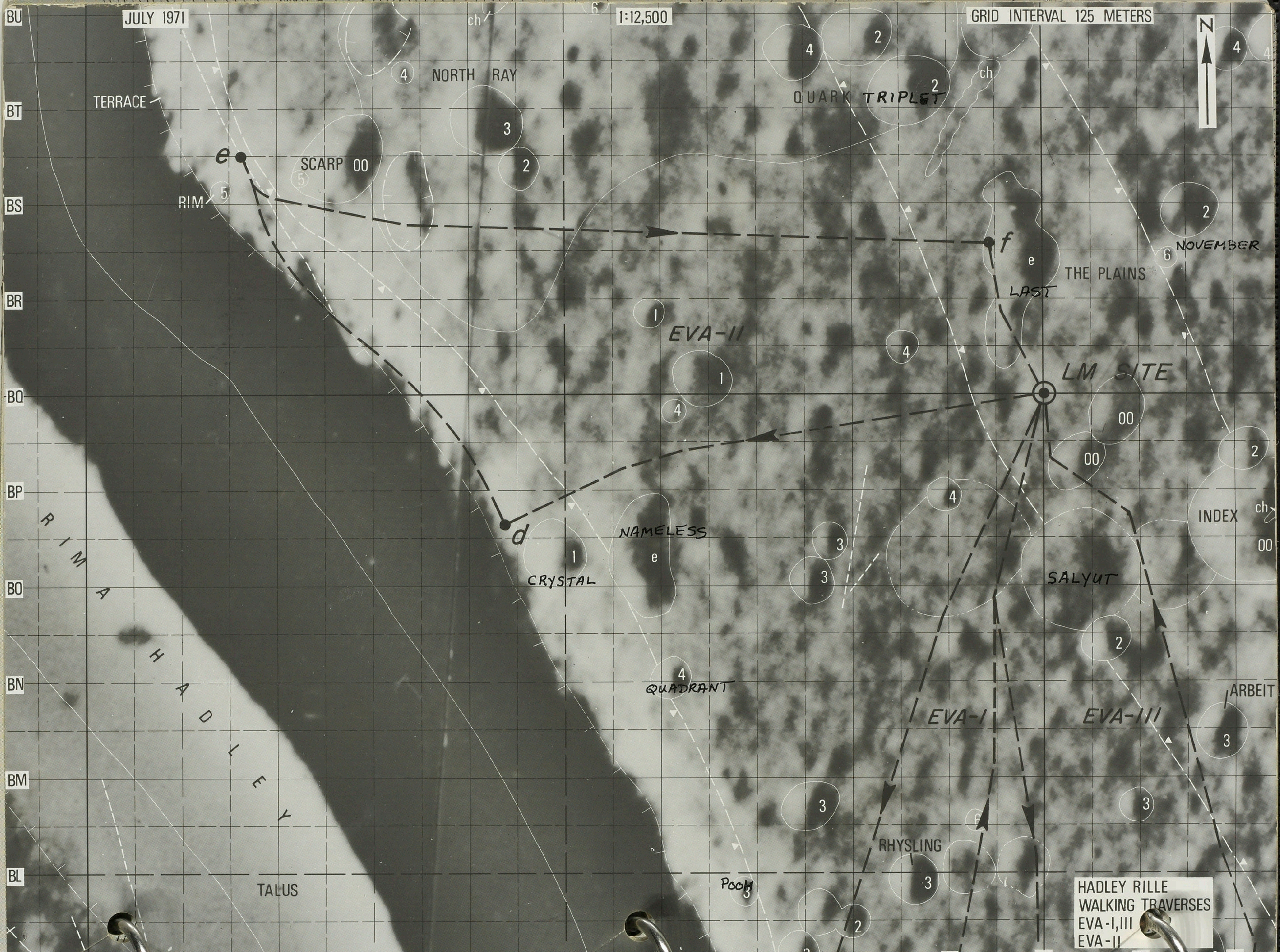
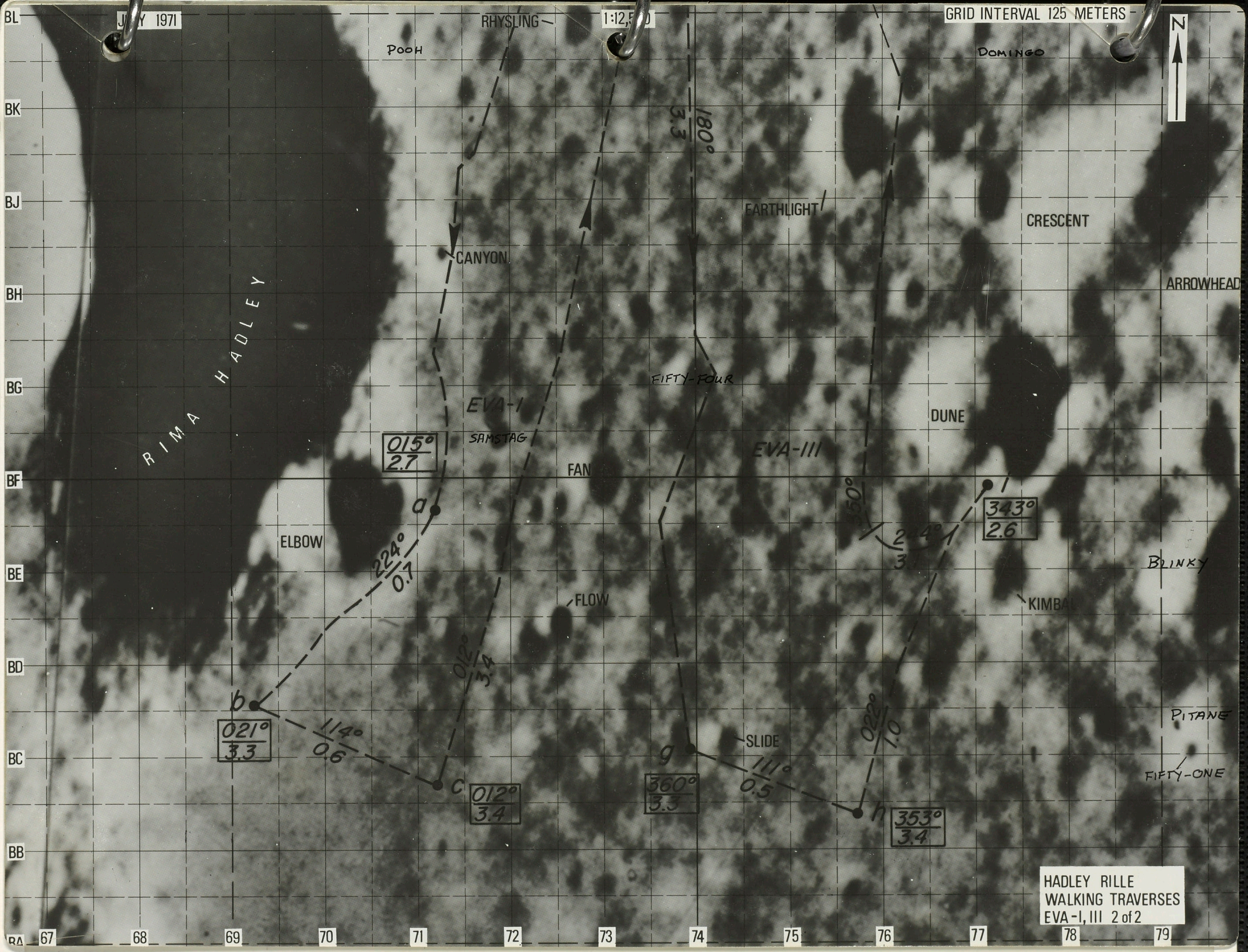
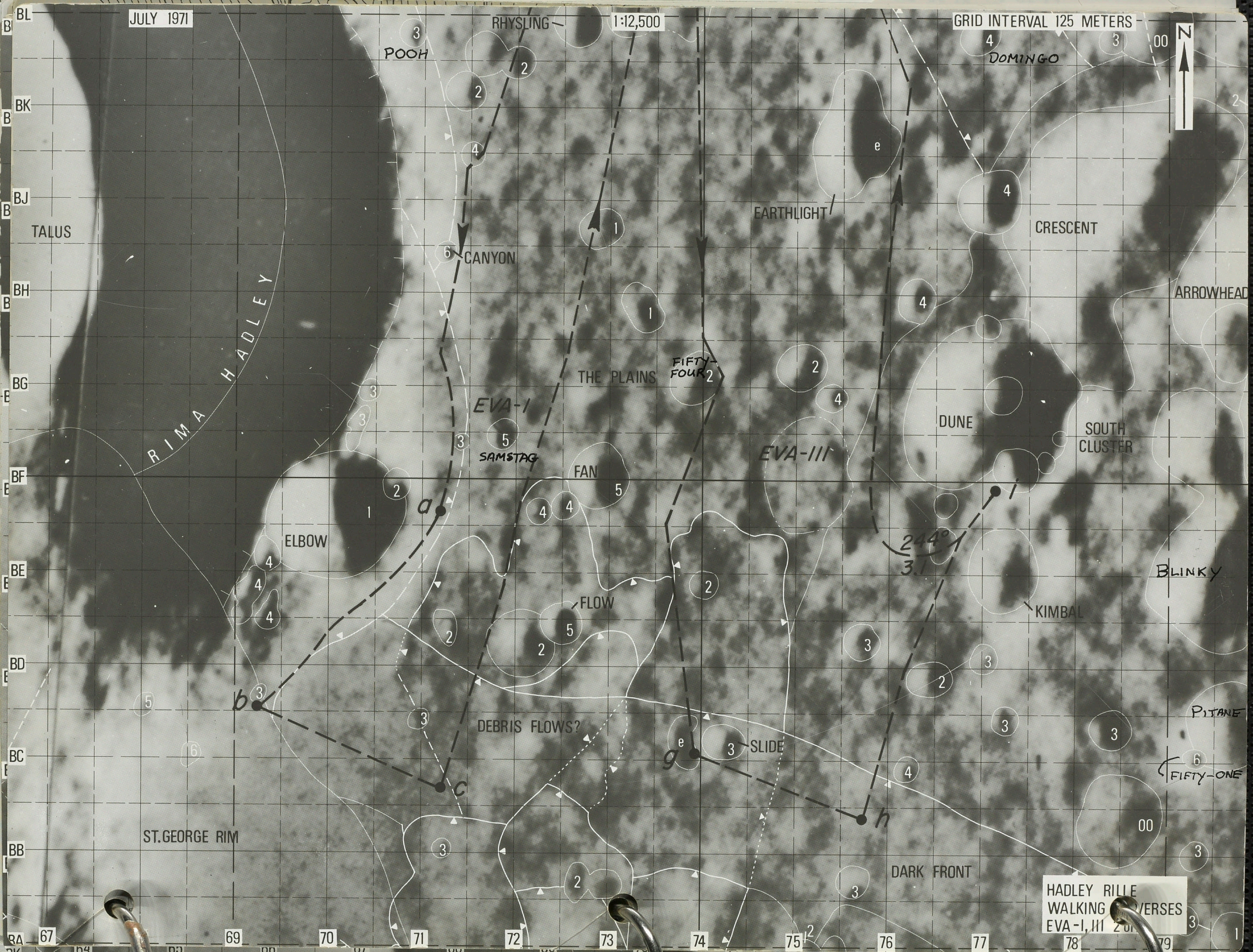


HADLEY RILLE
WALKING TRAVERSES
EVA-I,III
EVA-II



HADLEY RILLE
WALKING TRAVERSES
EVA-I, III 2 of 2


JULY 1971
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GRID INTERVAL 125 METERS
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HADLEY RILLE
WALKING VERSES
EVA-I, III 2 of
RIMA HADLEY
TALUS
POOH
RHYSLING
CANYON
EVA-I
SAMSTAG
THE PLAINS
FIFTY-FOUR
EARTHLIGHT
DOMINGO
CRESCENT
ARROWHEAD
DUNE
SOUTH CLUSTER
EVA-III
244°
3.1
BLINKY
KIMBAL
PITANE
FIFTY-ONE
FAN
FLOW
ELBOW
DEBRIS FLOWS?
SLIDE
ST.GEORGE RIM
DARK FRONT
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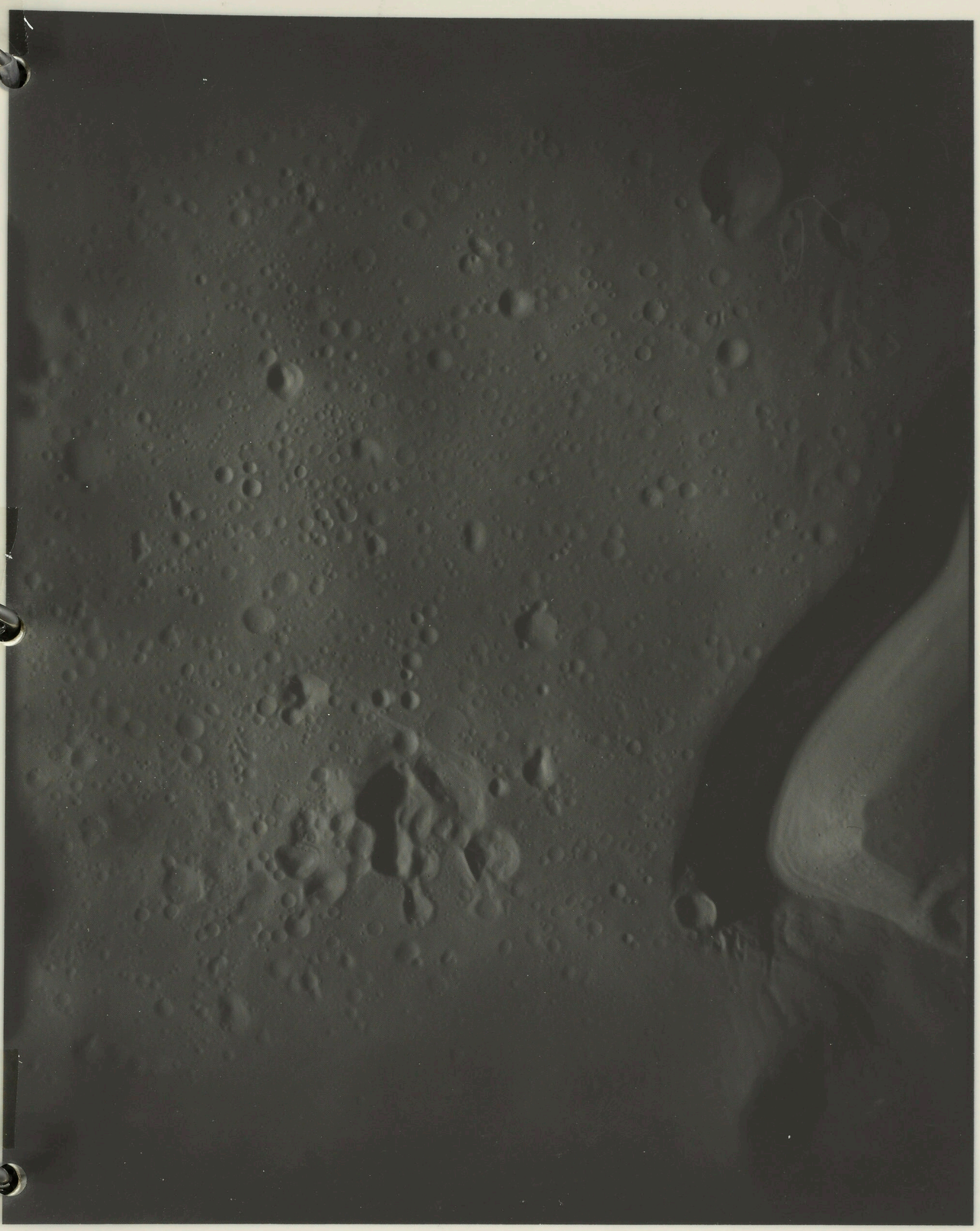

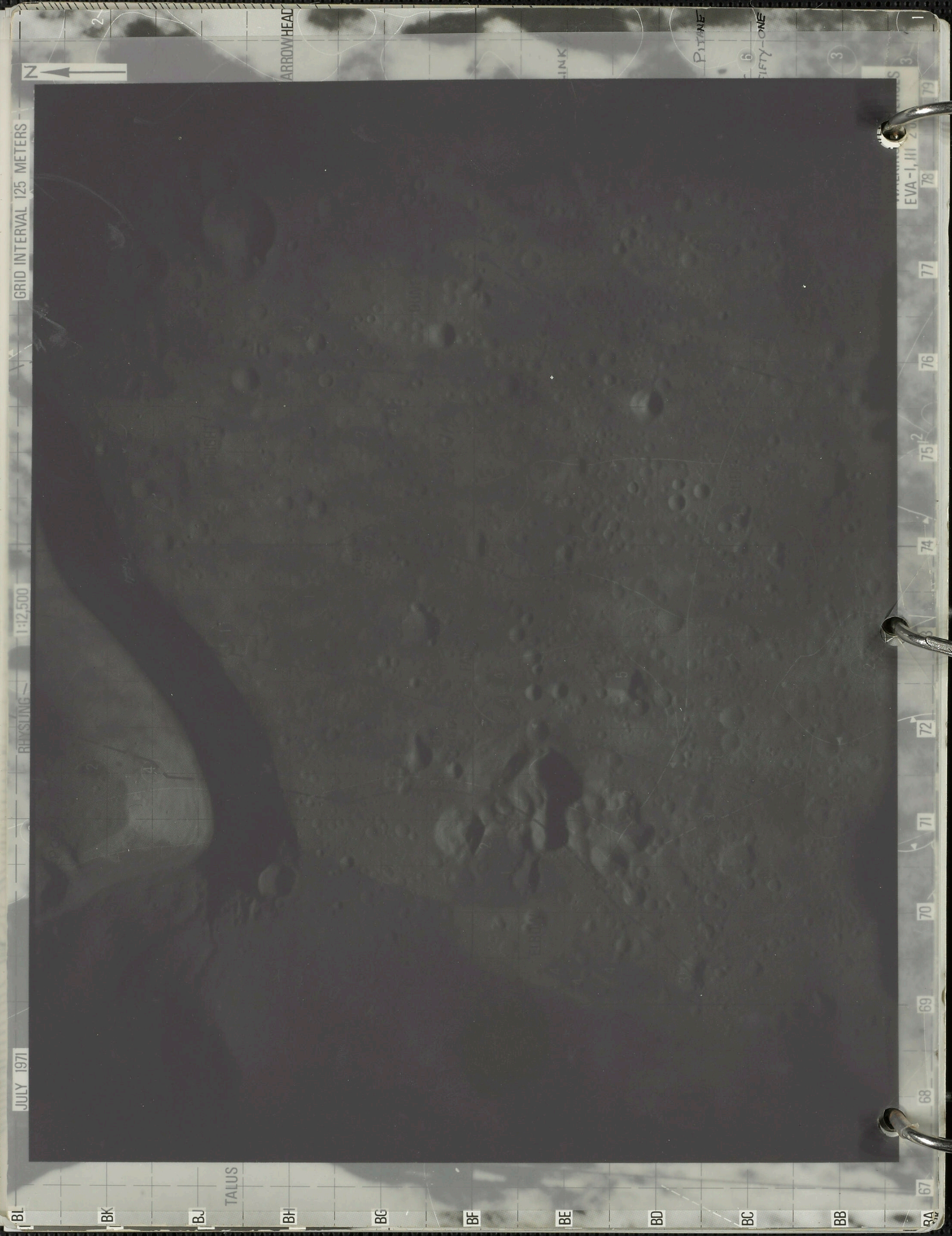
N
GRID INTERVAL 125 METERS
1:12,500
RHYSLING
JULY 1971
ARROWHEAD
LINK
PITONE
FIFTY-ONE
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EVA-I, III
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