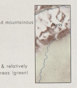
GNC 22N

LEGEND

AREA TINTS



Hilly and mountainous areas.

Valleys & relatively level areas (green)

SPOT ELEVATIONS

Maximum vertical error 100 feet 0000
Maximum possible vertical error 250 feet x0000
Approximate or doubtful location maximum possible vertical error unknown. 0000
Critical elevation. 0000
Lake. . . . . -0000

TRANSPORTATION

Railroads
Dual Lane Highways
Roads

Operational Navigation Chart series indicated thus: H-1

World Aeronautical Chart series indicated thus: 699

Universal Water Charts indicated thus: 8/12

AERONAUTICAL INFORMATION

AERODROMES

Pattern shown when longest runway is 4000' or over

Dot indicates Geographical Location of Aerodrome.

SEAPLANE	LANDPLANE	
◎	◎	Military
⊕	○	Civil
◎	◎	Joint Civil and Military
○		Landing Area
⚓		Sheltered Anchorage

RADIO FACILITIES

VHF OMNI RANGE(VOR). . ⊙
VORTAC. . . . .
TACAN. . . . .
VOR with DME. . . . .
Other Facilities. . . . .⊙

SPECIAL USE AIRSPACES

P-16
Prohibited Area

D-4
Alert, Caution, Danger, Restricted or Warning

Number indicates Internationally recognized numerical identification.

All Special Use Airspace is portrayed in the body of this chart with the following exceptions:
(1) Those that are activated only by NOTAM.
(2) All Special Use Airspaces below 10,000 feet.
(3) All danger Areas.

MISCELLANEOUS

▲. . . . Radio Tower 1500' above ground

▲ Compulsory reporting point.

CONVERSION OF ELEVATIONS

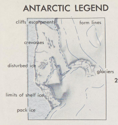
FEET (Thousands)	METERS (Thousands)
30	9
28	
26	8
24	7
22	
20	6
18	
16	5
14	4
12	
10	3
8	
6	2
4	
2	1
0	0

Lines of constant grid variation. (isogriv) ——GV 10°W——

CONVERGENCE TABLE

LONG.	CONV.	LONG.	CONV.	LONG.	CONV.	LONG.	CONV.	LONG.	CONV.	LONG.	CONV.	LONG.	CONV.	LONG.	CONV.	LONG.	CONV.	LONG.	CONV.	LONG.	CONV.	LONG.	CONV.
0°	0°00'	16°	12°34'	32°	25°08'	48°	37°42'	64°	50°16'	80°	62°50'	96°	75°24'	112°	87°58'	128°	100°31'	144°	113°05'	160°	125°39'	176°	138°13'
1°	0°47'	17°	13°21'	33°	25°55'	49°	38°29'	65°	51°03'	81°	63°37'	97°	76°11'	113°	88°45'	129°	101°19'	145°	113°53'	161°	126°26'	177°	139°00'
2°	1°34'	18°	14°08'	34°	26°42'	50°	39°16'	66°	51°50'	82°	64°24'	98°	76°58'	114°	89°32'	130°	102°06'	146°	114°40'	162°	127°14'	178°	139°48'
3°	2°21'	19°	14°55'	35°	27°29'	51°	40°03'	67°	52°37'	83°	65°11'	99°	77°45'	115°	90°19'	131°	102°53'	147°	115°27'	163°	128°01'	179°	140°35'
4°	3°08'	20°	15°42'	36°	28°16'	52°	40°50'	68°	53°24'	84°	65°58'	100°	78°32'	116°	91°06'	132°	103°40'	148°	116°14'	164°	128°48'	180°	141°22'
5°	3°56'	21°	16°30'	37°	29°03'	53°	41°37'	69°	54°11'	85°	66°45'	101°	79°19'	117°	91°53'	133°	104°27'	149°	117°01'	165°	129°35'		
6°	4°43'	22°	17°17'	38°	29°51'	54°	42°25'	70°	54°58'	86°	67°32'	102°	80°06'	118°	92°40'	134°	105°14'	150°	117°48'	166°	130°22'		
7°	5°30'	23°	18°04'	39°	30°38'	55°	43°12'	71°	55°46'	87°	68°20'	103°	80°53'	119°	93°27'	135°	106°01'	151°	118°35'	167°	131°09'		
8°	6°17'	24°	18°51'	40°	31°25'	56°	43°59'	72°	56°33'	88°	69°07'	104°	81°41'	120°	94°15'	136°	106°48'	152°	119°22'	168°	131°56'		
9°	7°04'	25°	19°38'	41°	32°12'	57°	44°46'	73°	57°20'	89°	69°54'	105°	82°28'	121°	95°02'	137°	107°36'	153°	120°10'	169°	132°43'		
10°	7°51'	26°	20°25'	42°	32°59'	58°	45°33'	74°	58°07'	90°	70°41'	106°	83°15'	122°	95°49'	138°	108°23'	154°	120°57'	170°	133°31'		
11°	8°38'	27°	21°12'	43°	33°46'	59°	46°20'	75°	58°54'	91°	71°28'	107°	84°02'	123°	96°36'	139°	109°10'	155°	121°44'	171°	134°18'		
12°	9°25'	28°	21°59'	44°	34°33'	60°	47°07'	76°	59°41'	92°	72°15'	108°	84°49'	124°	97°23'	140°	109°57'	156°	122°31'	172°	135°05'		
13°	10°13'	29°	22°47'	45°	35°20'	61°	47°54'	77°	60°28'	93°	73°02'	109°	85°36'	125°	98°10'	141°	110°44'	157°	123°18'	173°	135°52'		
14°	11°00'	30°	23°34'	46°	36°08'	62°	48°42'	78°	61°15'	94°	73°49'	110°	86°23'	126°	98°57'	142°	111°31'	158°	124°05'	174°	136°39'		
15°	11°47'	31°	24°21'	47°	36°55'	63°	49°29'	79°	62°03'	95°	74°36'	111°	87°10'	127°	99°44'	143°	112°18'	159°	124°52'	175°	137°26'		

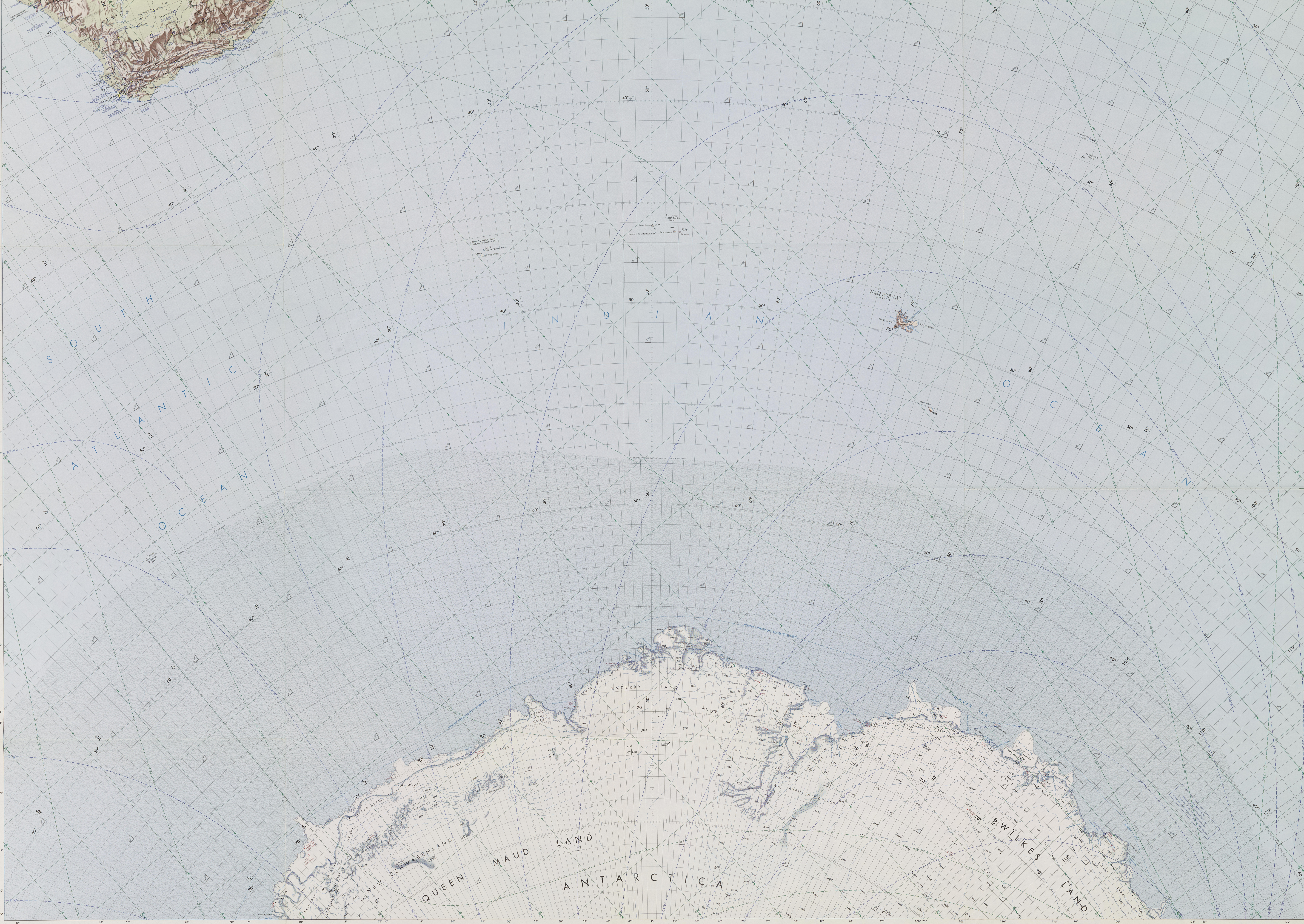
ANTARCTIC LEGEND


cliffs escarpments
form lines
crevasses
disturbed ice
glaciers
limits of shelf ice
pack ice

ELEVATIONS
Elevation and position accurate, maximum vertical error 100 feet. 0000
Position accurate, maximum possible error undetermined. . . . . x 0000
Approximate or doubtful locations are indicated by omission of point locator (dot or x). 0000
Critical. 0000

STATIONS
Operating. . . . .⊙
Refuge. . . . .■

Sovereignty claims south of 60° south latitude are not recognized by the United States Government.


AFRICA
SOUTH-WEST AFRICA (INTERNATIONAL TERRITORY)
TAFELBERG
SOUTH ATLANTIC OCEAN
INDIAN OCEAN
ILES DE KERGUELEN
ANTARCTICA
QUEEN MAUD LAND
NEW SCHWABENLAND
RITSCHER UPLAND
PRINCESS
ENDERBY LAND
AMERICAN HIGHLAND
WILKES LAND
SABRINA COAST
Cape Norvegia
Seal Bay
Atka Iceport
refuge
GV 24°W
GV 28°W
GV 20°W
GV 16°W
24°W
26°W
16°W
8°W
30°
35°
40°
45°
50°
55°
60°
65°
70°
75°
80°
85°
90°
95°
100°
105°
110°
115°
120°
125°
130°

GNC 22N

SCALE 1:5,000,000

EDITION 4

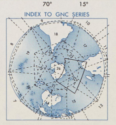
LINES OF EQUAL MAGNETIC VARIATION FOR 1970

CAUTION
AIR INFORMATION CURRENT THROUGH 29 OCTOBER 1973
Consult Notices to Airmen (NOTAMs) and Flight Information Publications (FLIPs) for the latest air information; the Chart Updating Manual (CHUM) for other chart revision information.

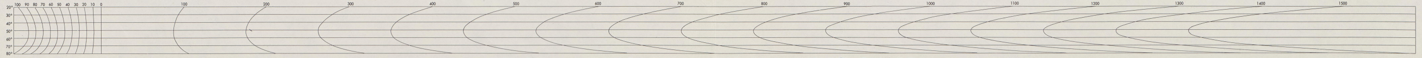
Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis Air Force Station, Missouri 63118. Compiled December 1963. Revised September 1973.

Lithographed by DMAAC 1-74

INDEX TO GNC SERIES


7
8
10
12
13
14
15
17
18
19
20
21
22
23
24
25
26

ELEVATIONS IN FEET


NAUTICAL MILES
20°
30°
40°
50°
60°
70°
80°
100
90
80
70
60
50
40
30
20
10
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500

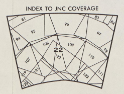
ELEVATIONS IN FEET

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS
37°00' and 65°00'
Convergence Factor .78535

GLOBAL NAVIGATION AND PLANNING CHART

HARBOR FACILITIES
Logistic planners may obtain complete detailed information on port facilities and freight handling capacities for shipping in H.O. Pub. No. 150, World Port Index (UNCL), published by the Defense Mapping Agency Hydrographic Center.

INDEX TO JNC COVERAGE


22
81
83
84
94
95
96
97
98
107
108
109
110
111
119
120
121
122
123

Users should refer corrections, additions and comments for improving this product to: DIRECTOR, DEFENSE MAPPING AGENCY AEROSPACE CENTER, ST. LOUIS AFS, MISSOURI 63118. ATTN: PP

GNC 22N