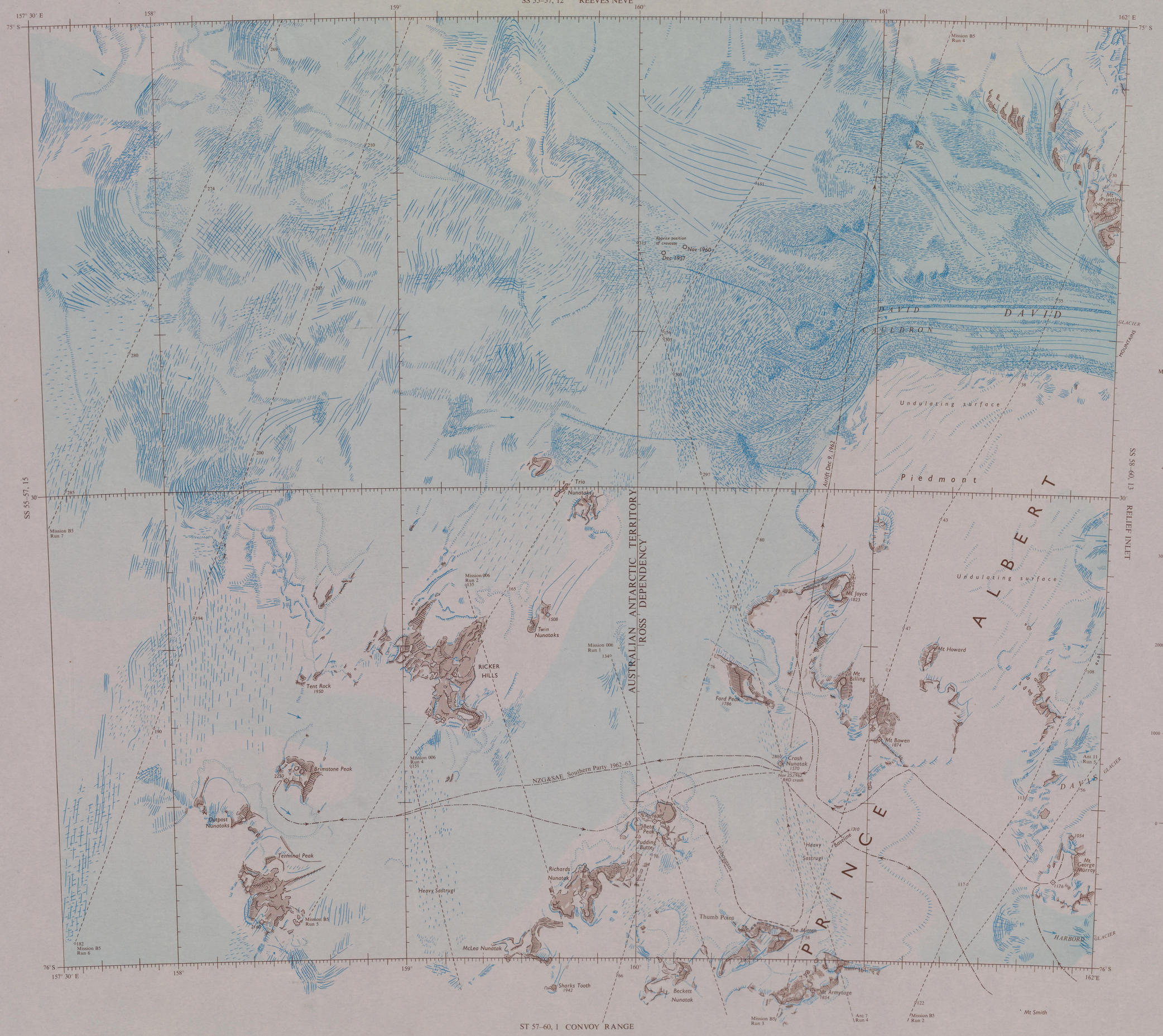
AUSTRALIAN ANTARCTIC TERRITORY
ROSS DEPENDENCY

MT JOYCE

SS 55–57, 12 REEVES NÉVÉ

PROVISIONAL EDITION
SS 55–57, 16 1 : 250,000



Conversion Scale

Metres	Feet
5000	16000
	15000
	14000
4000	13000
	12000
	11000
3000	10000
	9000
	8000
	7000
2000	6000
	5000
	4000
1000	3000
	2000
	1000
0	0

SCALE

1 : 252,906 at 75° 30′ S. Lat.

Statute Miles 10 0 10 20

Kilometres 10 0 10 20 30 40

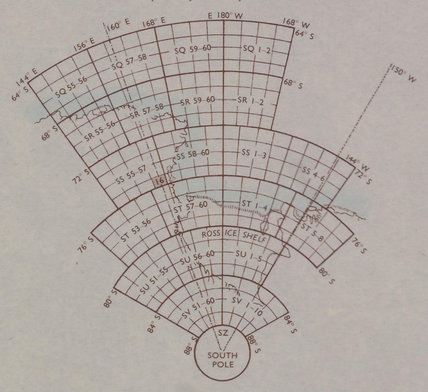
Nautical Miles 10 0 10 20

REFERENCE

- U.S. & N.Z. Astronomical Station
- U.S. Tellurometer Station (occupied)
- U.S. Intersected Station
- N.Z. Astronomical Station
- Trig Station
- Intersected or resected points
- Principal points of trimetrogen aerial photographs
- Mission & Run — Mission 4A Run 3
- Ice-free land
- Ice covered land
- Glaciers
- Ridge lines
- Glacier front
- Moraine, Scree
- Crevassed areas
- Icefalls
- Cliffs or bluffs
- Coastline definite
- Coastline indefinite
- Height in Metres — 3500
- Routes taken by field parties

LOCALITY DIAGRAM

Ross Dependency boundary shown



Sheet lines based on I.M.W. series.

PROJECTION

Polar Stereographic with Scale 1 : 250,000 at standard parallel 71° S. Lat.

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COMPILATION

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Southern Party
Leader Surveyor: R. W. Hewson.

and aerial photography:

Aerial photography supplied by U.S. Geological Survey and flown by U.S. Navy Vx–6 Squadron.

RELIABILITY

The positions of U.S. Geological Survey tellurometer traverse stations, established in 1961-62 in terms of Camp Area datum (Lat. 77° 50′ 52″·5 Long. 166° 40′ 13″·7) have been adopted for overall control purposes.

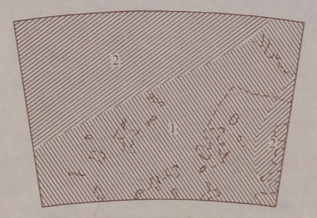
(1) N.Z. control stations have been fixed by astro observations and triangulation, adjusted to agree with one another and with the U.S.G.S. tellurometer traverse stations. Other points have been fixed by intersecting rays and photo theodolite panoramas from these control stations.

Additional details of ice formation and land form have been obtained from photo-theodolite panoramas and from U.S. aerial photography.

Heights have been determined by theodolite and aneroid barometer, checked against barometric readings supplied by support aircraft, and, where necessary, adjusted to agree with the heights of U.S.G.S. tellurometer traverse stations (datum: Mean sea level, McMurdo).

(2) Detail from U.S. aerial photography based on available limited control.

RELIABILITY DIAGRAM



1ST EDITION
DEC 1965

Refer to this map as:—
NZMS 166
SHEET
SS 55–57, 16