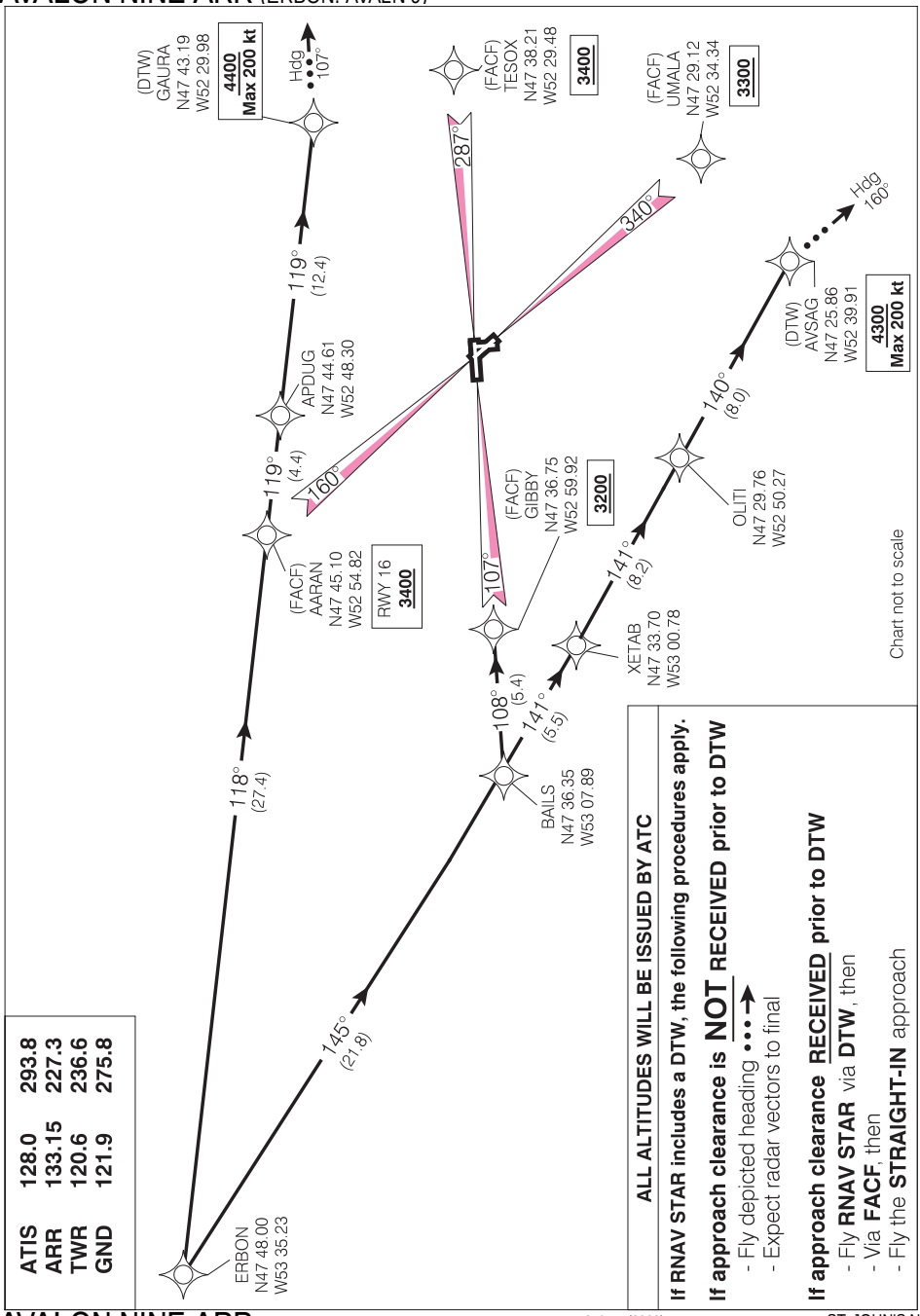
STAR (RNAV)

AVALON NINE ARR (ERBON. AVALN 9)

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL



AVALON NINE ARR (ERBON. AVALN 9)

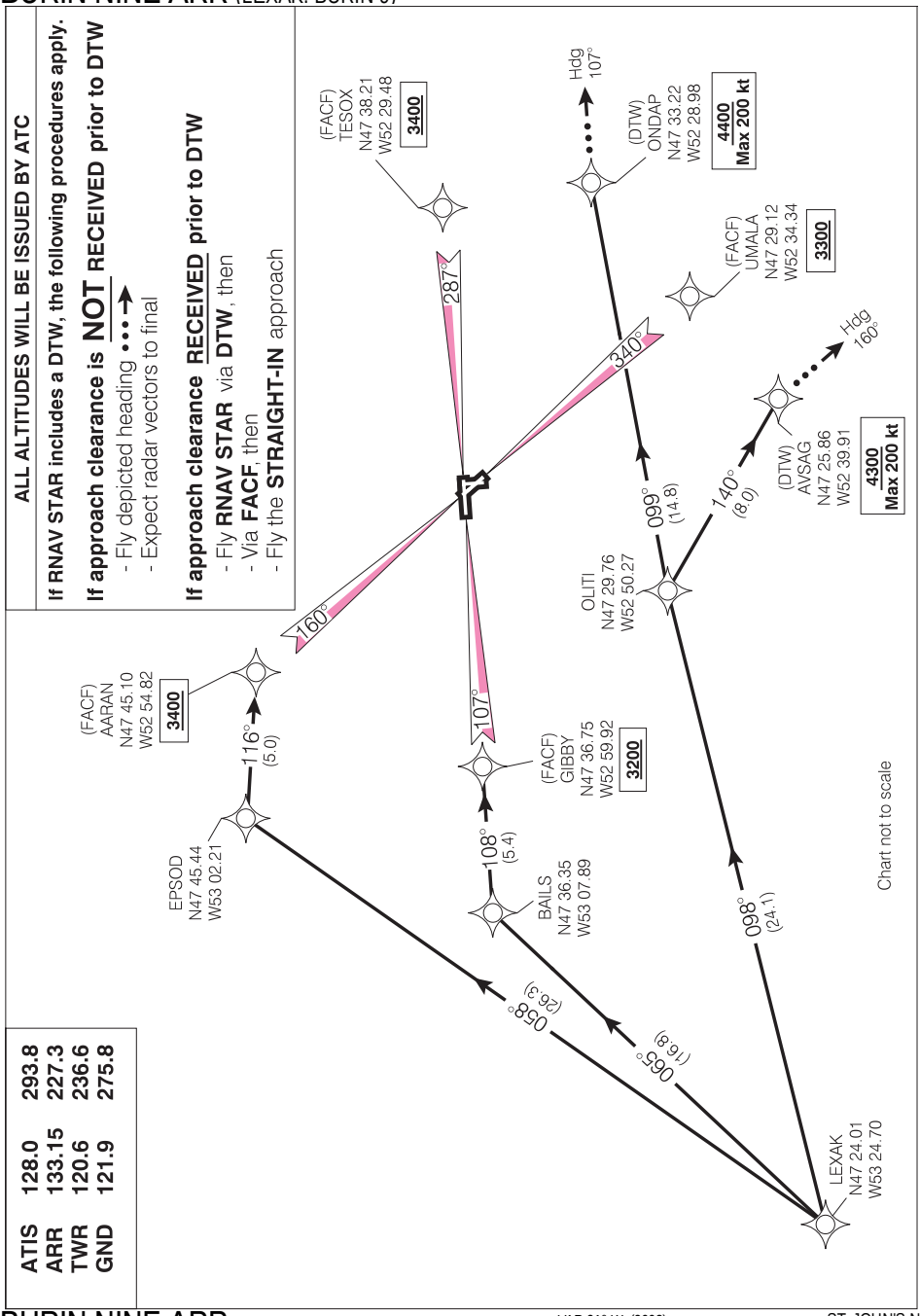
VAR 21° W (2003)

ST. JOHN'S NL
ST. JOHN'S INTL NEWFOUNDLAND

STAR (RNAV)

BURIN NINE ARR (LEXAK. BURIN 9)

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL



BURIN NINE ARR (LEXAK. BURIN 9)

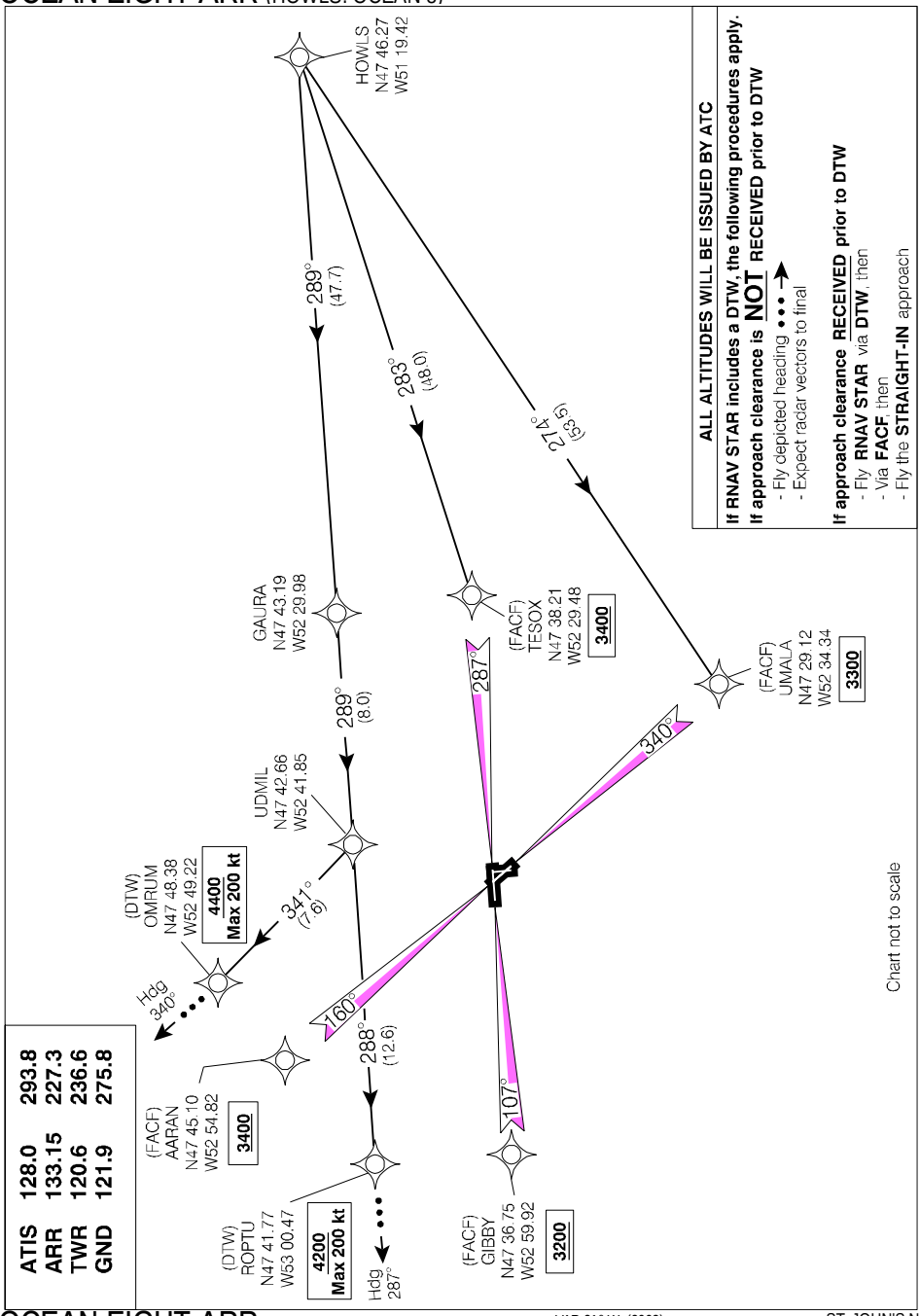
VAR 21° W (2003)

ST. JOHN'S NL
ST. JOHN'S INTL NEWFOUNDLAND

STAR (RNAV)

OCEAN EIGHT ARR (HOWLS. OCEAN 8)

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL



OCEAN EIGHT ARR (HOWLS. OCEAN 8)

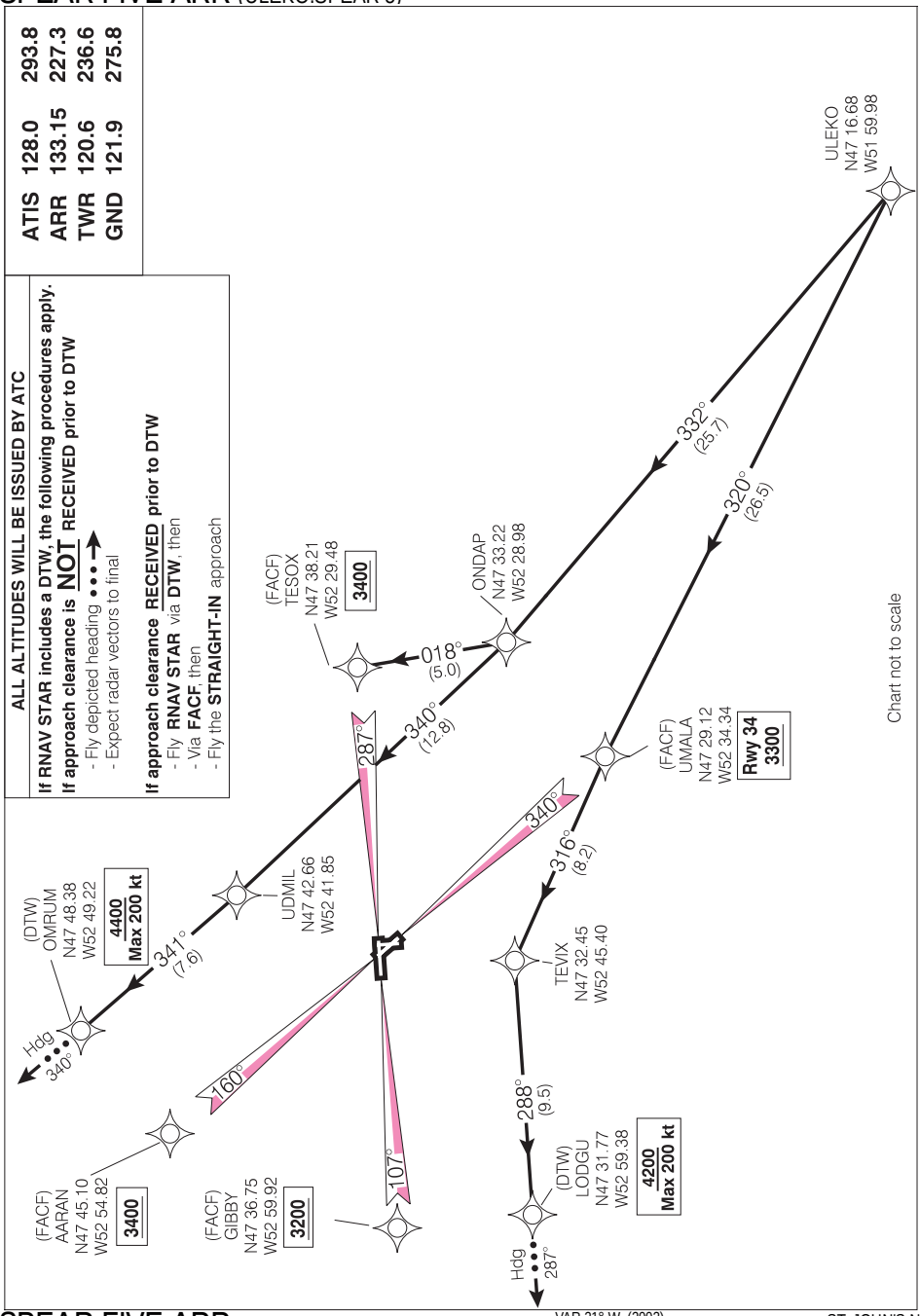
VAR 21° W (2003)

ST. JOHN'S NL
ST. JOHN'S INTL NEWFOUNDLAND

STAR (RNAV)

SPEAR FIVE ARR (ULEKO.SPEAR 5)

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL



SPEAR FIVE ARR (ULEKO.SPEAR 5)

VAR 21° W (2003)

ST. JOHN'S NL
ST. JOHN'S INTL NEWFOUNDLAND

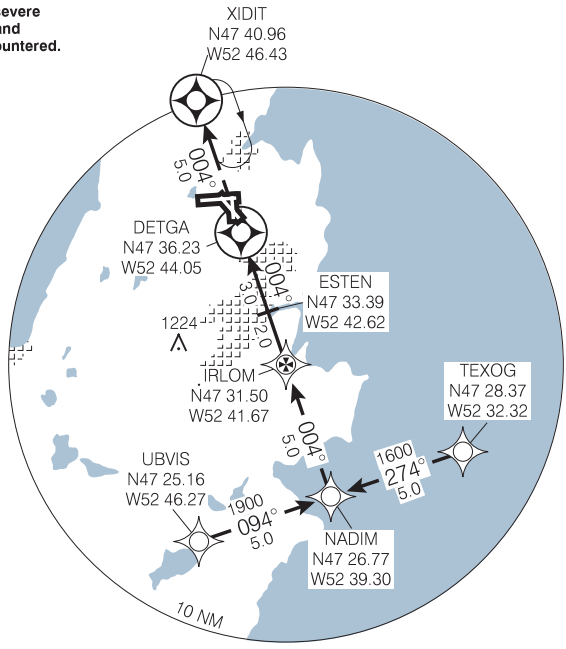
ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

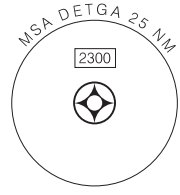
RNAV (GNSS) RWY 02

ATIS	ARR/DEP	TWR	GND	ELEV 461
128.0 293.8	GANDER CENTRE 133.15 227.3	120.6 236.6	121.9 275.8	TDZE 02 445

Caution - precipitous terrain on approach. Moderate to severe turbulence, windshear, and downdrafts may be encountered.

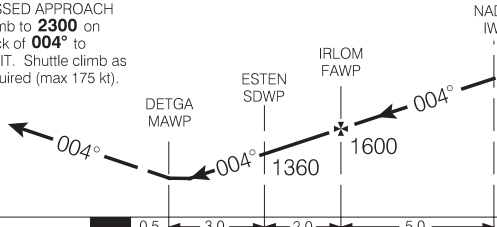
CYYT





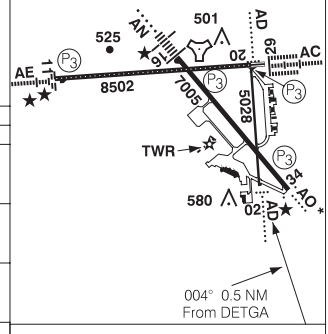
SAFE ALT 100 NM **2900**

MISSED APPROACH
Climb to **2300** on track of **004°** to XIDIT. Shuttle climb as required (max 175 kt).



CATEGORY	A	B	C	D
LNAV / VNAV	NOT AUTHORIZED			
LNAV	**960** (515) 1 ½			
CIRCLING	**1100** (639) 2		**1160** (699) 2 ¼	

Rwy 02-20 100' wide
TDZL Rwy 29
Rwy 16 down 0.32%



Knots	70	90	110	130	150
Min:Sec					

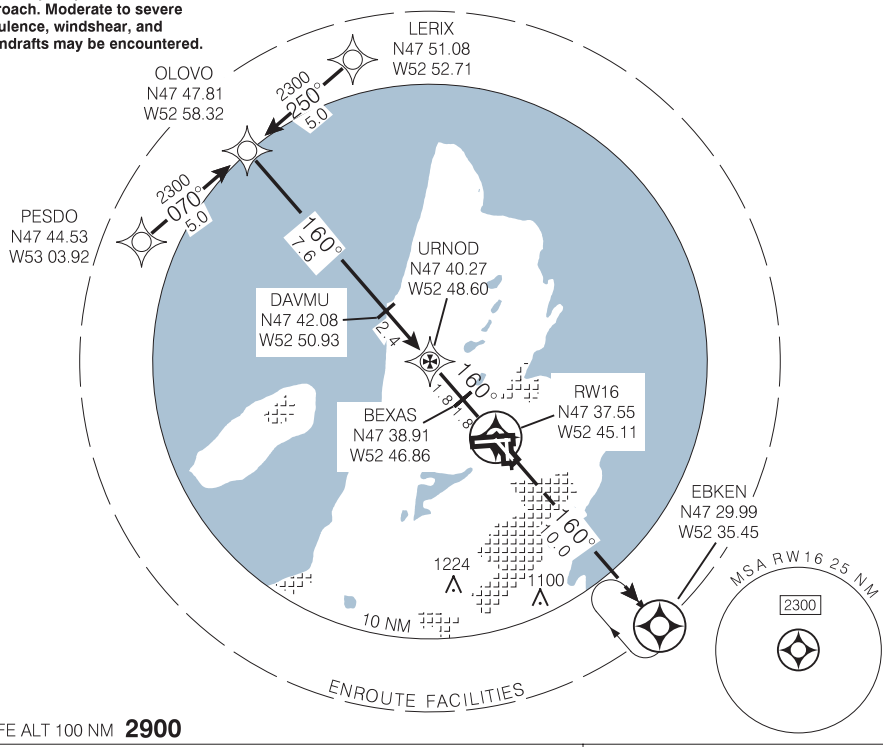
RNAV (GNSS) RWY 16

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

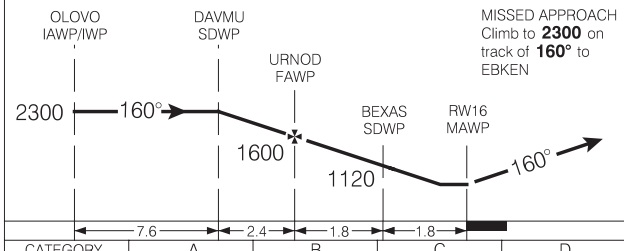
ATIS	ARR/DEP	TWR	GND	ELEV 461
128.0 293.8	GANDER CENTRE 133.15 227.3	120.6 236.6	121.9 275.8	TDZE 16 453

CYYT

Caution - precipitous terrain on approach. Moderate to severe turbulence, windshear, and downdrafts may be encountered.

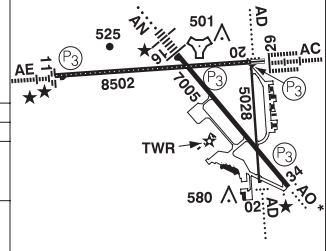


SAFE ALT 100 NM **2900**



MISSED APPROACH
Climb to **2300** on track of **160°** to EBKEN

Rwy 02-20 100' wide
TDZL Rwy 29
Rwy 16 down 0.32%



CATEGORY	A	B	C	D
LNAV / VNAV	NOT AUTHORIZED			
LNAV	**920** (467) 1 RVR 50			
CIRCLING	**1100** (639) 2		**1140** (679) 2	**1160** (699) 2¼

Knots	70	90	110	130	150
Min:Sec					

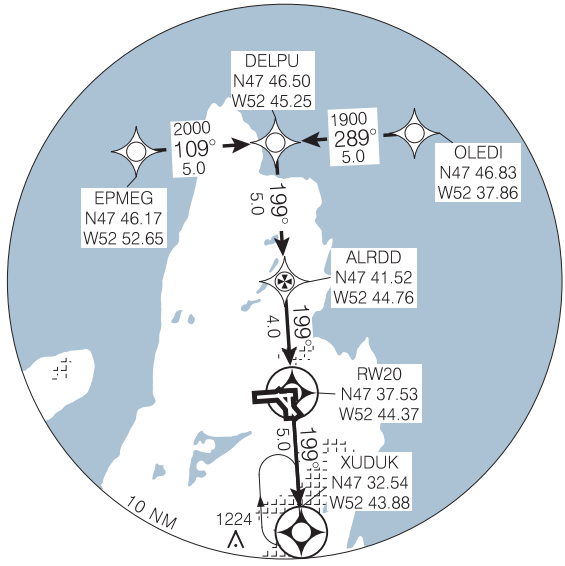
ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

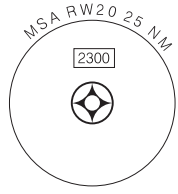
RNAV (GNSS) RWY 20

ATIS	ARR/DEP	TWR	GND	ELEV 461
128.0 293.8	GANDER CENTRE 133.15 227.3	120.6 236.6	121.9 275.8	TDZE 20 440

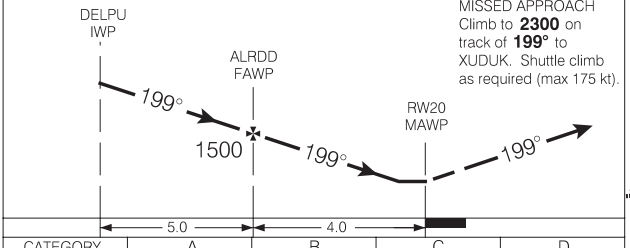
Caution - precipitous terrain on approach. Moderate to severe turbulence, windshear, and downdrafts may be encountered.

CYYT





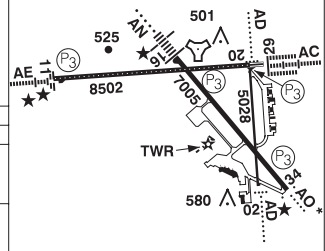
SAFE ALT 100 NM **2900**



MISSED APPROACH
Climb to **2300** on track of **199°** to XUDUK. Shuttle climb as required (max 175 kt).

CATEGORY	A	B	C	D
LNAV / VNAV	NOT AUTHORIZED			
LNAV	**940** (500) 1 ½			
CIRCLING	**1100** (639) 2		**1160** (699) 2 ¼	

Rwy 02-20 100' wide
TDZL Rwy 29
Rwy 16 down 0.32%



Knots	70	90	110	130	150
Min:Sec					

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

LOC(BC) or NDB RWY 34 (GNSS)

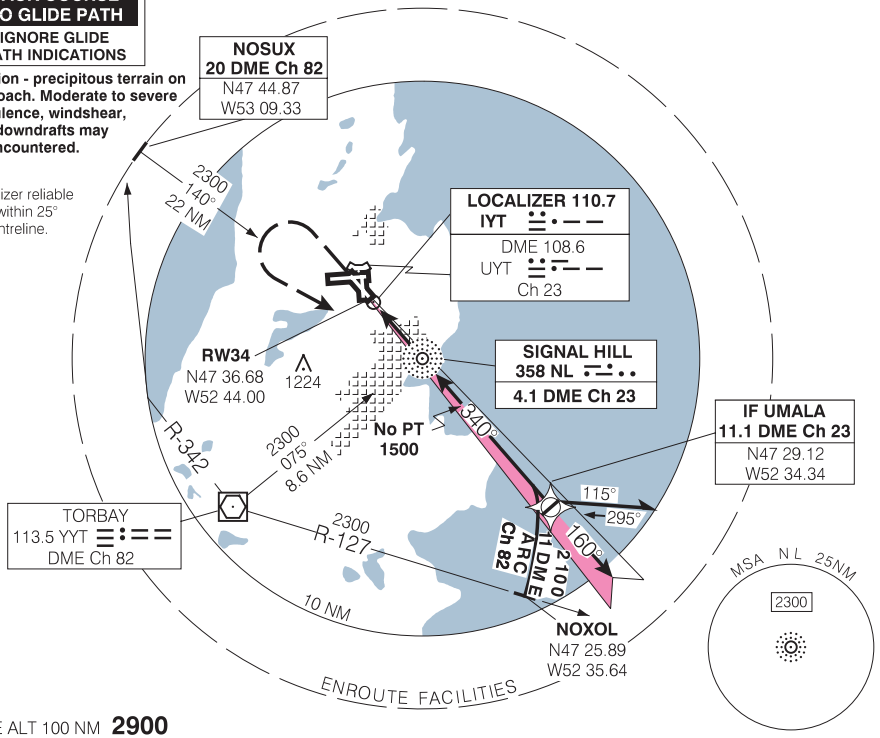
ATIS	ARR/DEP	TWR	GND	ELEV 461
128.0 293.8	GANDER CENTRE 133.15 227.3	120.6 236.6	121.9 275.8	TDZE 34 445

CYYT

BACK COURSE NO GLIDE PATH
IGNORE GLIDE PATH INDICATIONS

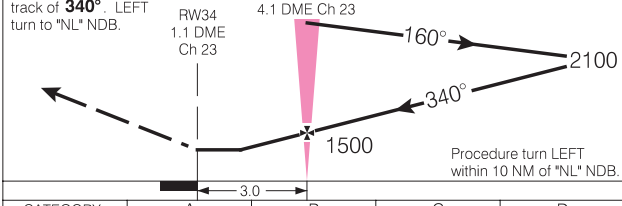
Caution - precipitous terrain on approach. Moderate to severe turbulence, windshear, and downdrafts may be encountered.

Localizer reliable only within 25° of centreline.



SAFE ALT 100 NM **2900**

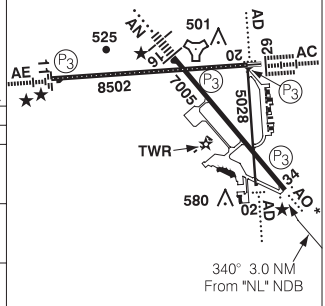
MISSED APPROACH
Climb to **2300** on track of **340°**. LEFT turn to "NL" NDB.



Procedure turn LEFT within 10 NM of "NL" NDB.

CATEGORY	A	B	C	D
LOC(BC) LOC(BC)/DME	**700**	(255)	1	
NDB	**940**	(495)	1 ½	
CIRCLING	**1100**	(639) 2	**1160**	(699) 2 ¼

Rwy 02-20 100' wide
TDZL Rwy 29
Rwy 34 up 0.32%



"NL" NDB to MAP 3.0 NM

Knots	70	90	110	130	150
Min:Sec	**2:34**	**2:00**	**1:38**	**1:23**	**1:12**

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

ILS or NDB RWY 11 (GNSS)

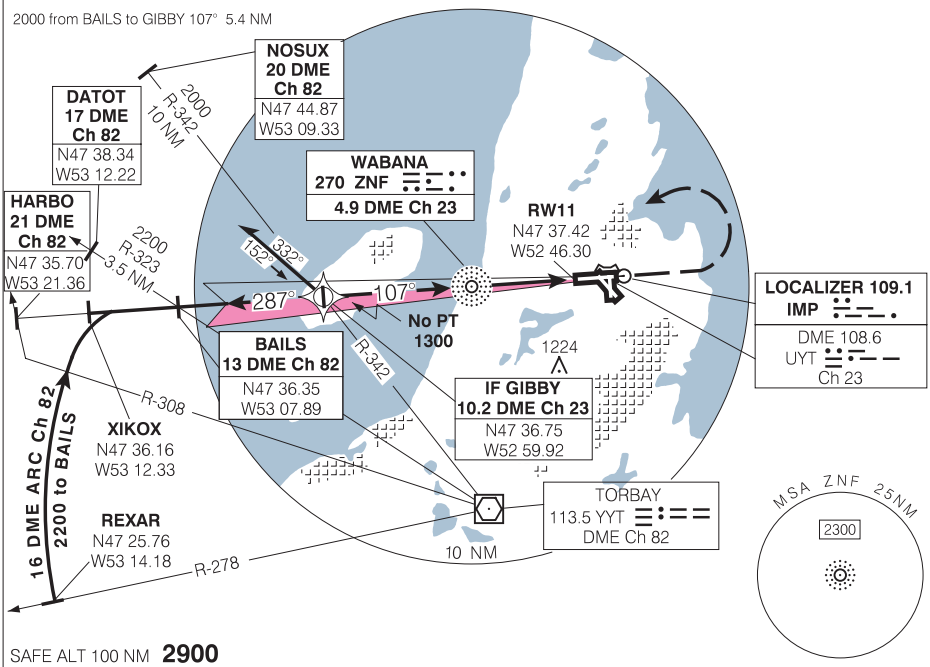
ATIS	ARR/DEP	TWR	GND	ELEV 461
128.0 293.8	GANDER CENTRE 133.15 227.3	120.6 236.6	121.9 275.8	TDZE 11 461

CYYT

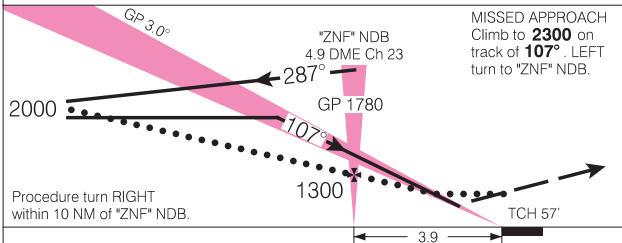
Caution - precipitous terrain on approach.
Moderate to severe turbulence, windshear,
and downdrafts may be encountered.

2200 from HARBO to BAILS 107° 9.1 NM

2000 from BAILS to GIBBY 107° 5.4 NM



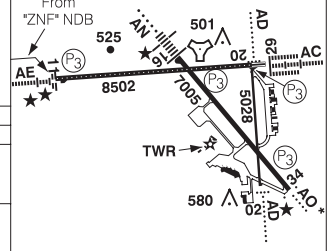
SAFE ALT 100 NM **2900**



MISSED APPROACH
Climb to **2300** on
track of **107°** . LEFT
turn to "ZNF" NDB.

CATEGORY	A	B	C	D
ILS ILS/DME	**661**	(200)	½ RVR 26	
LOC LOC/DME	**1000**	(539)	1 ¼	
NDB	**1160**	(699)	1 3/4	
CIRCLING	**1160**	(699)	2 ¼	

Rwy 02-20 100' wide
TDZL Rwy 29
Rwy 16 down 0.32%
107° 3.9 NM
From
"ZNF" NDB



"ZNF" NDB to MAP 3.9 NM					
Knots	70	90	110	130	150
Min:Sec	**3:20**	**2:36**	**2:08**	**1:48**	**1:34**

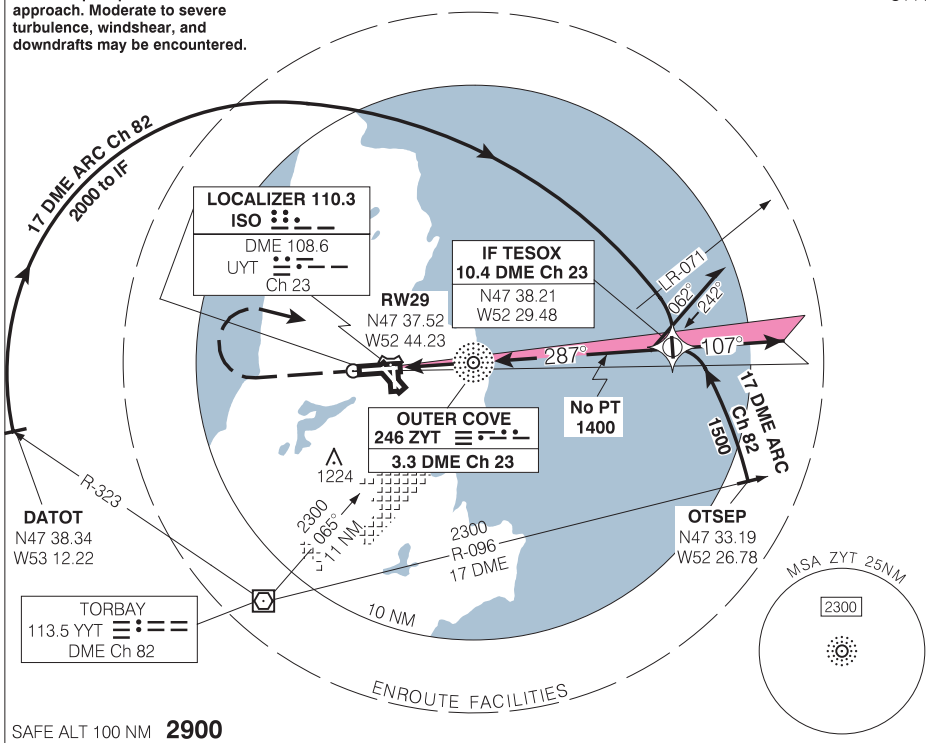
ILS or NDB RWY 29 (GNSS)

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

ATIS	ARR/DEP	TWR	GND	ELEV 461
128.0 293.8	GANDER CENTRE 133.15 227.3	120.6 236.6	121.9 275.8	TDZE 29 449

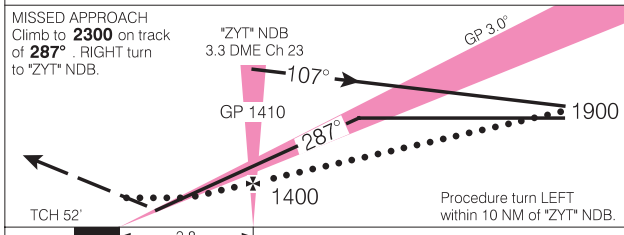
CYYT

Caution - precipitous terrain on approach. Moderate to severe turbulence, windshear, and downdrafts may be encountered.

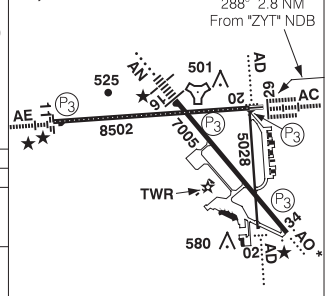


SAFE ALT 100 NM **2900**

MISSED APPROACH
Climb to **2300** on track of **287°** . RIGHT turn to "ZYT" NDB.



Rwy 02-20 100' wide
TDZL Rwy 29
Rwy 16 down 0.32%



CATEGORY	A	B	C	D
ILS ILS/DME	**649**	(200)	½ RVR 26	
LOC LOC/DME	**800**	(351)	1 RVR 50	
NDB	**940**	(491)	1 RVR 50	
CIRCLING	**1100** (639) 2		**1160** (699) 2 ¼	

"ZYT" NDB to MAP 2.8 NM

Knots	70	90	110	130	150
Min:Sec	**2:24**	**1:52**	**1:32**	**1:18**	**1:07**

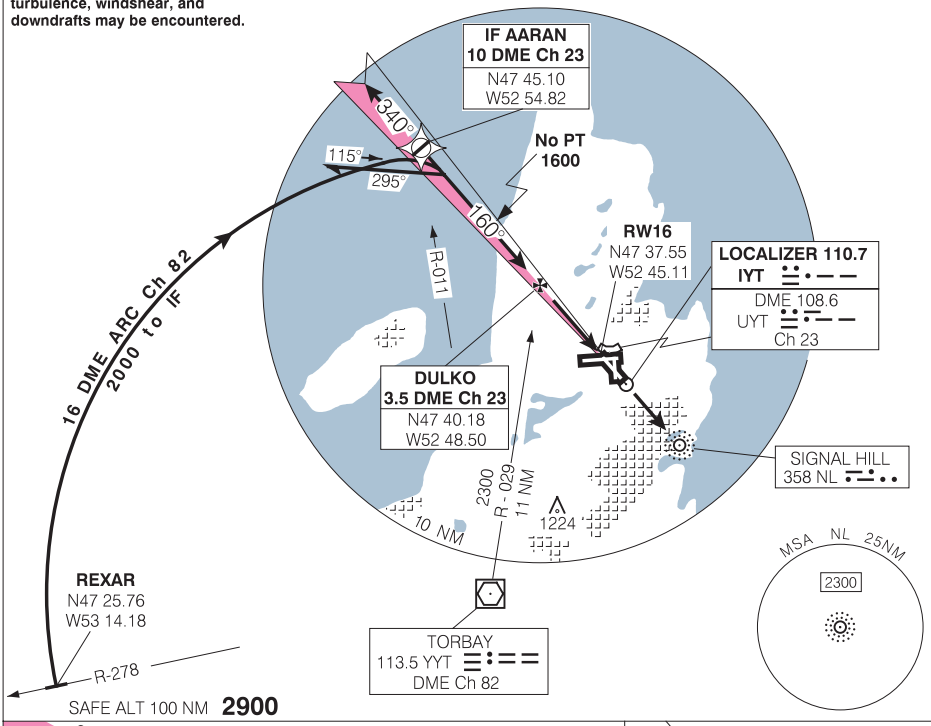
ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

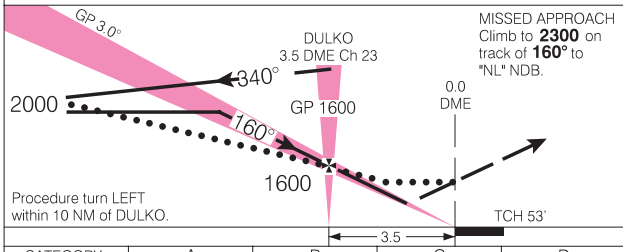
ILS/DME RWY 16

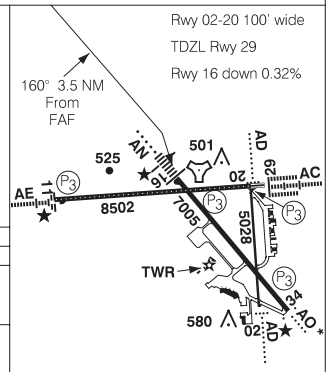
ATIS	ARR/DEP	TWR	GND	ELEV 461
128.0 293.8	GANDER CENTRE 133.15 227.3	120.6 236.6	121.9 275.8	TDZE 16 453

CYYT

Caution - precipitous terrain on approach. Moderate to severe turbulence, windshear, and downdrafts may be encountered.







CATEGORY	A	B	C	D
ILS/DME	**653**	(200)	½ RVR 26	
LOC/DME	**1000**	(547)	1 ¼	
CIRCLING	**1160**	(699)	2 ¼	

Knots	70	90	110	130	150
Min:Sec					

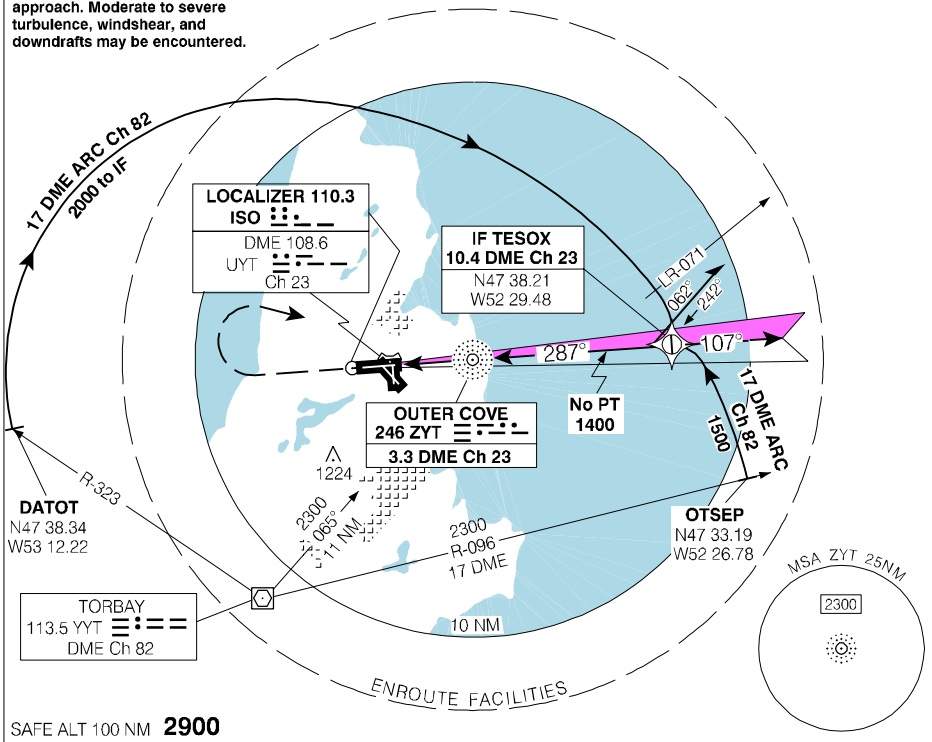
ILS CAT II RWY 29

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

ATIS	ARR/DEP	TWR	GND	ELEV 461
128.0 293.8	GANDER CENTRE 133.15 227.3	120.6 236.6	121.9 275.8	TDZE 29 449

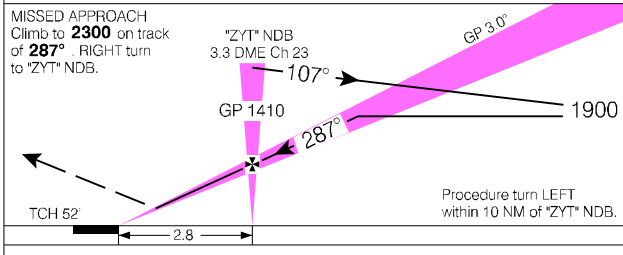
CYYT

Caution - precipitous terrain on approach. Moderate to severe turbulence, windshear, and downdrafts may be encountered.



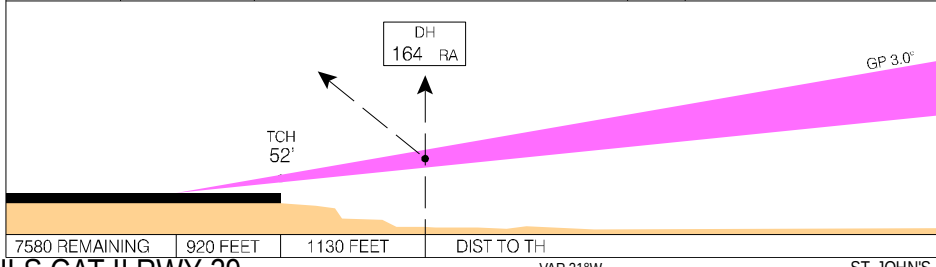
SAFE ALT 100 NM **2900**

MISSED APPROACH
Climb to **2300** on track of **287°**. RIGHT turn to "ZYT" NDB.



PRIOR AUTH REQUIRED FROM TC

CAT II	549	(100)	RVR 12



SID (VECTOR)

ST. JOHN'S THREE DEP (CYYT 3.)

VOT 114.8
ATIS 128.0 293.8
GND 121.9 275.8
TWR 120.6 236.6
DEP GANDER CENTRE
133.15 227.3

CLIMB TO AND MAINTAIN 5000' ASL

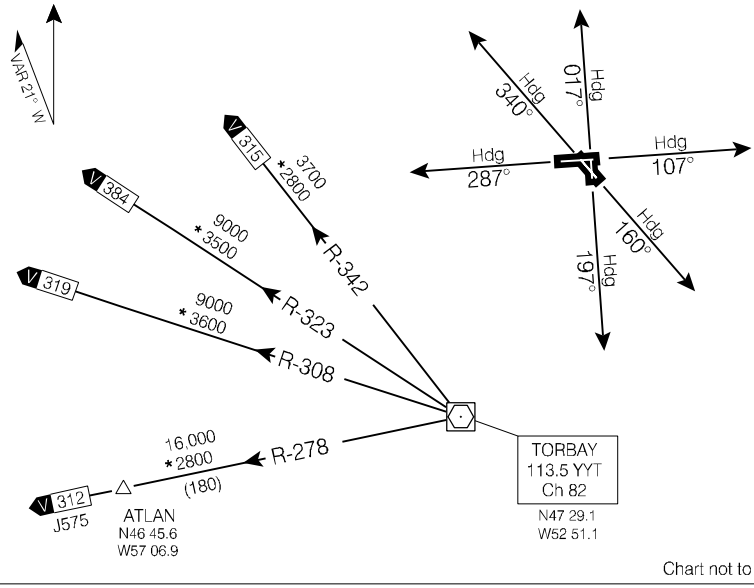


Chart not to scale

DEPARTURE ROUTE DESCRIPTION

Rwys 02, 11, 16, 29 and 34:
1. Climb rwy hdg for vectors.
2. Maintain 5000' ASL or as assigned.

Rwy 20: Requires minimum climb gradient of 270 ft/NM to 900' ASL BPOC or SPEC VIS, visual climb to 900' ASL BPOC.
1. Climb rwy hdg for vectors.
2. Maintain 5000' ASL or as assigned.

COMMUNICATION FAILURE - TRANSPONDER MODE A/3 CODE 7600

On recognition of communication failure 10 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Upon reaching last assigned altitude proceed directly on course;
2. Maintain last assigned altitude for 10 minutes after take-off; then
3. Climb to flight planned altitude, except in the case of Trans Atlantic departures, climb to the altitude specified in the Oceanic Clearance.

Note: If communication failure occurs more than 10 minutes after take-off, comply with the appropriate procedure for communication failure enroute.

SID (PILOT NAV) COPTER ONLY

GAGMA TWO DEP (GAGMA 2.)

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

VOT 114.8
ATIS 128.0 293.8
GND 121.9 275.8
TWR 120.6 236.6
DEP GANDER CENTRE
133.15 227.3

(FOR HELICOPTER USE ONLY)

CLIMB TO AND MAINTAIN 3000' ASL

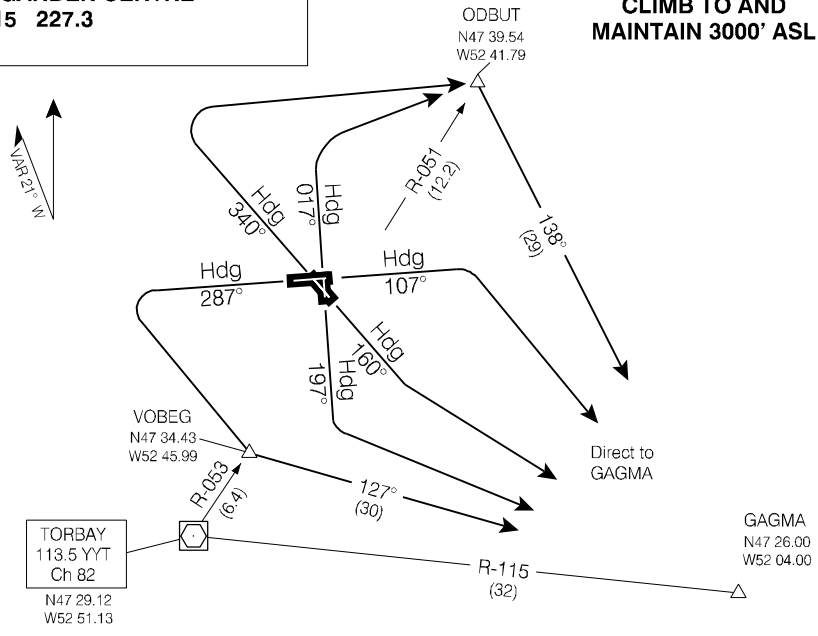


Chart not to scale

DEPARTURE ROUTE DESCRIPTION

Unless otherwise assigned by ATC:

Rwys 02, 34: Climb rwy hdg to 900', climbing right turn to ODBUT, then direct to GAGMA. Maintain 3000' ASL.
Rwy 11: Climb rwy hdg to 900', climbing right turn direct to GAGMA. Maintain 3000' ASL.
Rwy 16: Climb rwy hdg to 900', climbing left turn direct to GAGMA. Maintain 3000' ASL.
Rwy 20: Requires minimum climb gradient of 270 ft/NM or SPEC VIS visual climb to 900', climbing left turn direct to GAGMA. Maintain 3000' ASL.
Rwy 29: Climb rwy hdg to 900', climbing left turn to VOBEG, then direct to GAGMA. Maintain 3000' ASL.

COMMUNICATION FAILURE - TRANSPOND MODE A/3 CODE 7600

On recognition of communication failure 10 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Upon reaching last assigned altitude proceed directly on course;
2. Maintain last assigned altitude for 10 minutes after take-off; then
3. Climb to flight planned altitude.

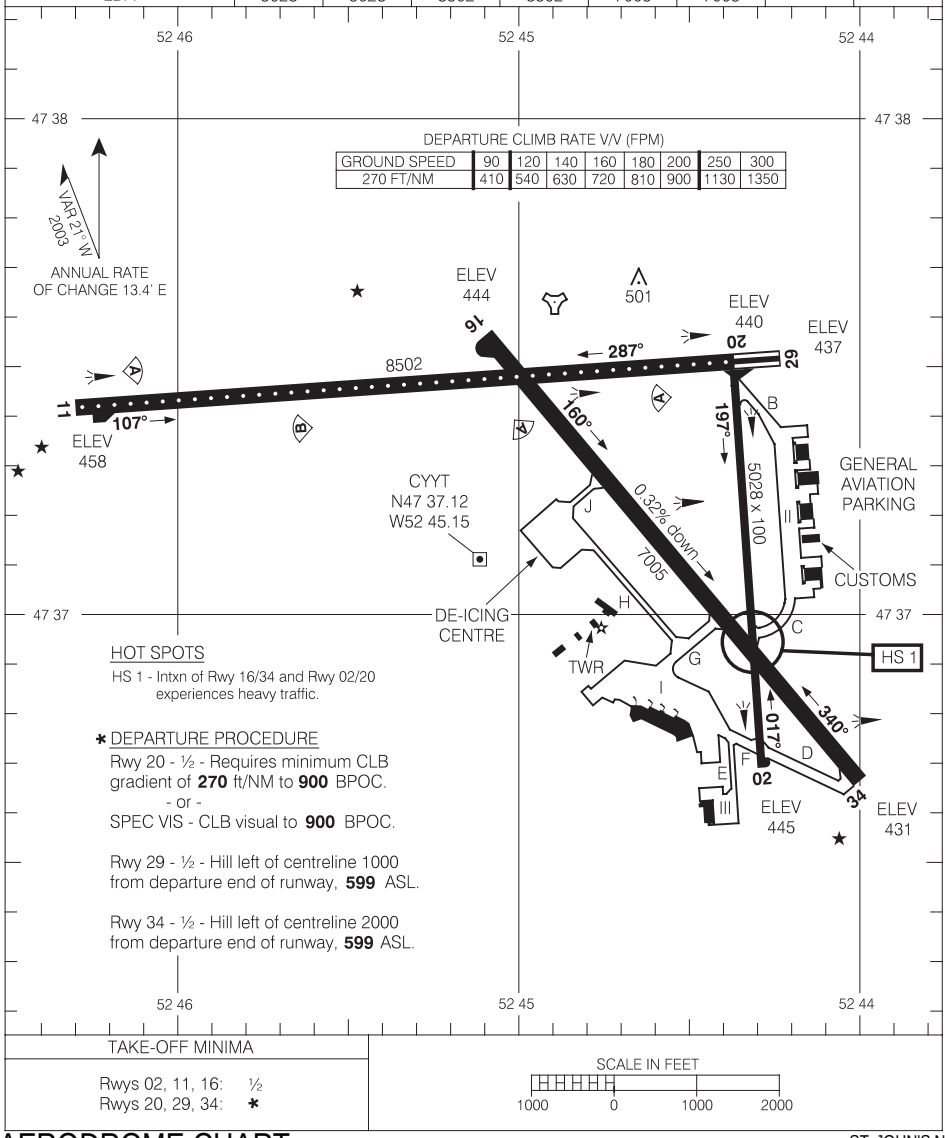
Note: If communication failure occurs more than 10 minutes after take-off, comply with the appropriate procedure for communication failure enroute.

AERODROME CHART

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

VOT	ATIS	TWR	GND	DEP
114.8	128.0 293.8	120.6 236.6	121.9 275.8	GANDER CENTRE 133.15 227.3

DECLARED DISTANCES	02	20	11	29	16	34		
TORA	5028	5028	8502	8502	7005	7005		
TODA	6028	5028	9502	9502	8005	8005		
ASDA	5028	5028	8502	8502	7005	7005		
LDA	5028	5028	8502	8502	7005	7005		



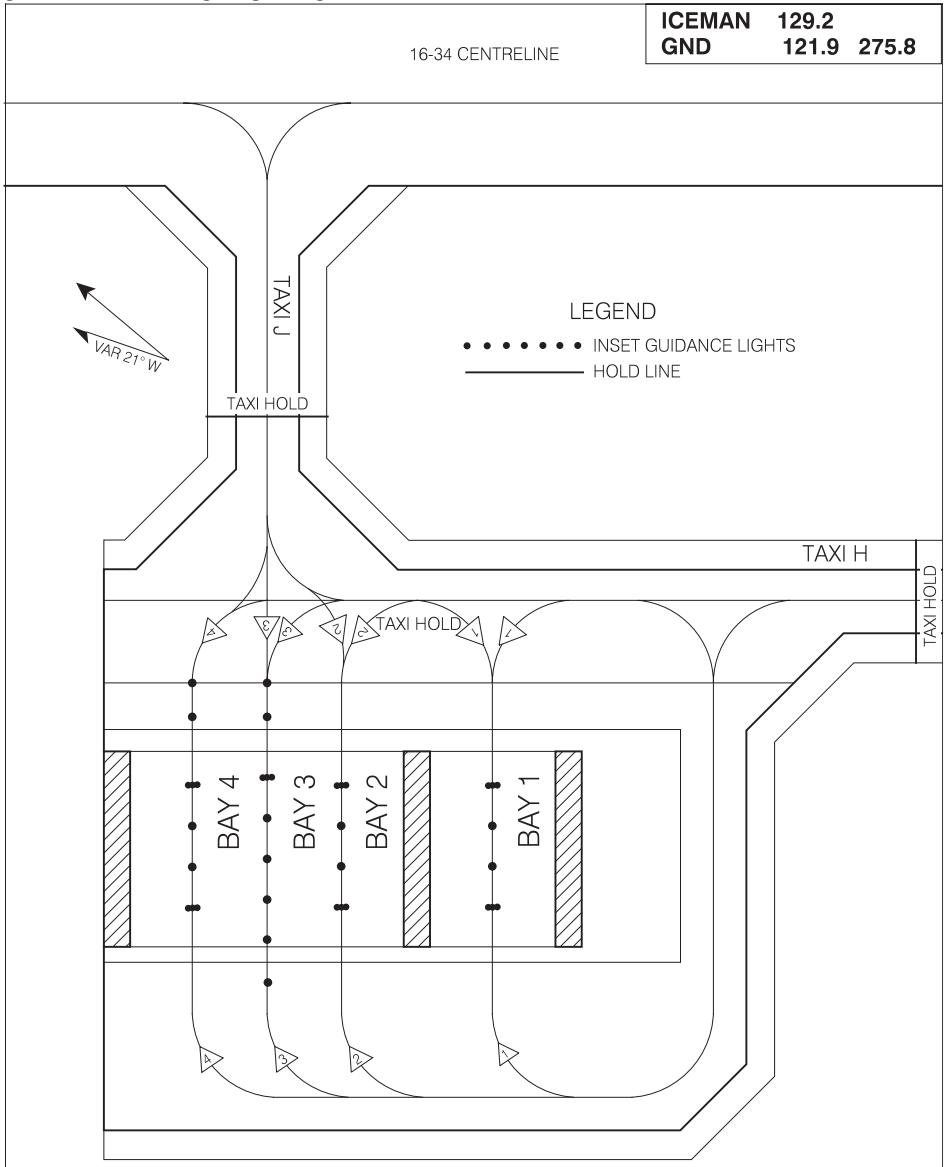
TAKE-OFF MINIMA	
Rwys 02, 11, 16:	½
Rwys 20, 29, 34:	*

SCALE IN FEET
1000 0 1000 2000

ST. JOHN'S INTL NEWFOUNDLAND
ST. JOHN'S NL

CENTRAL DE-ICING FACILITY

ICEMAN	**129.2**	
GND	**121.9**	**275.8**



CENTRAL DE-ICING FACILITY
ST. JOHN'S NL
ST. JOHN'S INTL NEWFOUNDLAND