

ENGM

Oslo Gardermoen

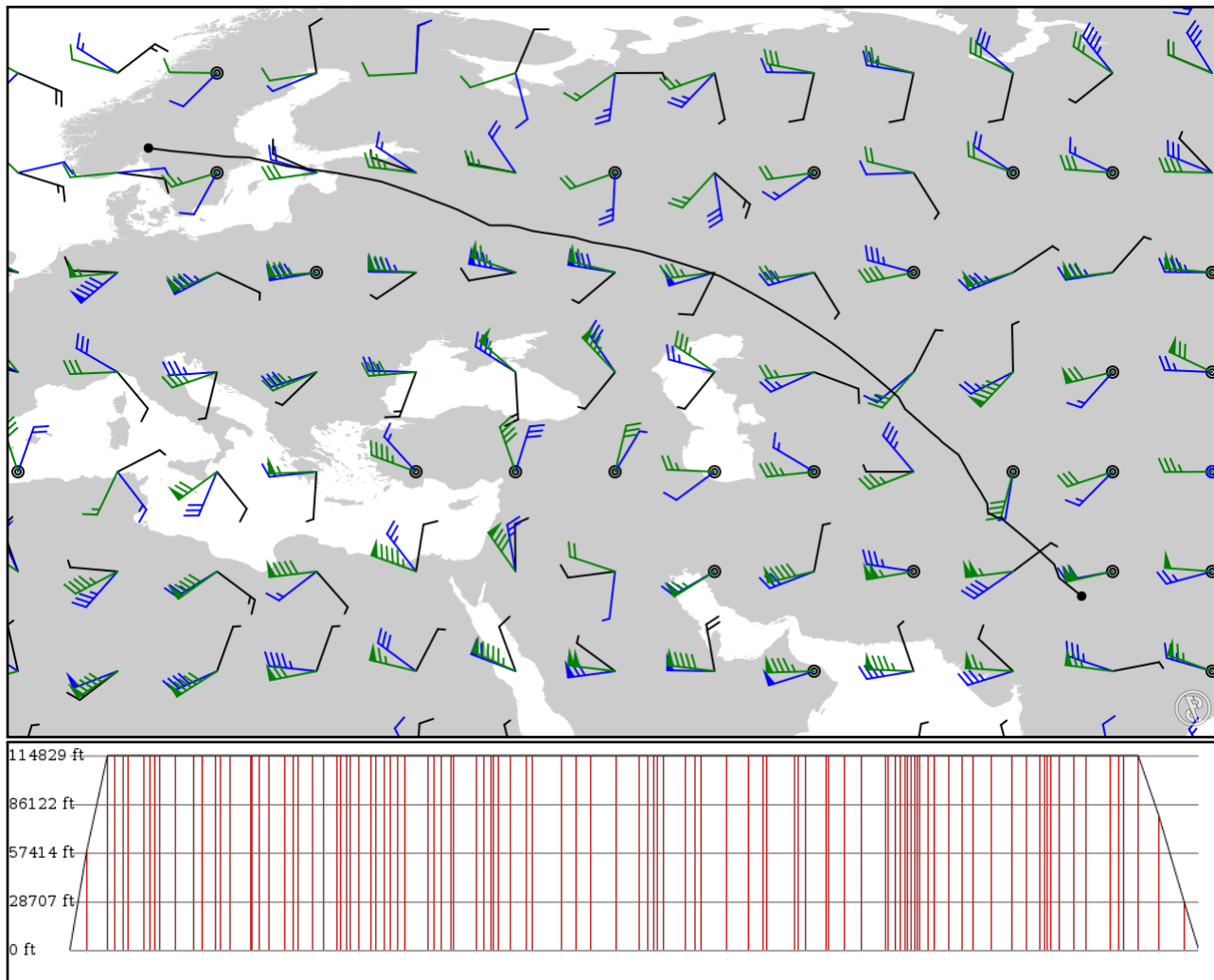
VIDP

Indira Gandhi Intl

2024/05/16 0658Z

ENGM TEKVA **N623** TEB **P607** NOTAR **R58** TU **R11** FV **G3** FE **B721** TUPEN **G811** OLOLA **G3** URL **A108** LOGTO **B824**
ODIVA **A66** TMD TMD **A66** USETU **G555** PINAX **V848** RAMSO **A455** PS **J161** LA SULOM **A466** IGINO VIDP

3287.30 nm / 6088.08 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes

- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
ENGM	-	60.19450	0 ft	-	Oslo Gardermoen
APT	-	11.09890	0 m	-	
TEKVA	-	59.98470	17,900 ft	50	-
FIX	-	12.71940	5,456 m	-	-
EBURI	N623	59.80000	35,000 ft	59	-
FIX	AWY-HI	14.66060	10,668 m	-	-
IBGAX	N623	59.72220	35,000 ft	22	-
FIX	AWY-HI	15.39580	10,668 m	-	-
BEDLA	N623	59.62890	35,000 ft	25	-
FIX	AWY-HI	16.22500	10,668 m	-	-
ARS	N623	59.58620	35,000 ft	13	AROS
VOR	AWY-HI	16.65030	10,668 m	-	
TEB	N623	59.53170	35,000 ft	47	TEBBY
VOR	AWY-HI	18.20330	10,668 m	-	
BABAP	P607	59.42230	35,000 ft	16	-
FIX	AWY-HI	18.70760	10,668 m	-	-
APTUG	P607	59.32660	35,000 ft	14	-
FIX	AWY-HI	19.13890	10,668 m	-	-
TOMBU	P607	59.22940	35,000 ft	14	-
FIX	AWY-HI	19.56780	10,668 m	-	-
NEBSI	P607	58.90500	35,000 ft	46	-
FIX	AWY-HI	20.94120	10,668 m	-	-
SUVIX	P607	58.69060	35,000 ft	52	-
FIX	AWY-HI	22.59330	10,668 m	-	-
TUTVA	P607	58.59690	35,000 ft	21	-
FIX	AWY-HI	23.26190	10,668 m	-	-
ANAMA	P607	58.41640	35,000 ft	39	-
FIX	AWY-HI	24.47830	10,668 m	-	-
PIVUN	P607	58.34080	35,000 ft	14	-
FIX	AWY-HI	24.90440	10,668 m	-	-
LATKA	P607	58.18030	35,000 ft	29	-
FIX	AWY-HI	25.77920	10,668 m	-	-
NOTAR	P607	57.83000	35,000 ft	60	-
FIX	AWY-HI	27.55970	10,668 m	-	-
ORTOK	R58	57.81640	35,000 ft	1	-
FIX	AWY-HI	27.59780	10,668 m	-	-
ATBUR	R58	57.61250	35,000 ft	23	-
FIX	AWY-HI	28.20780	10,668 m	-	-
PIKAM	R58	57.35170	35,000 ft	29	-
FIX	AWY-HI	28.96720	10,668 m	-	-
GUBIT	R58	56.94140	35,000 ft	44	-
FIX	AWY-HI	30.11610	10,668 m	-	-
KUDIM	R58	56.71810	35,000 ft	23	-
FIX	AWY-HI	30.71940	10,668 m	-	-
ROMEL	R58	56.55310	35,000 ft	15	-
FIX	AWY-HI	31.07610	10,668 m	-	-
OLMET	R58	56.17810	35,000 ft	41	-
FIX	AWY-HI	32.11780	10,668 m	-	-
TU	R58	55.85420	35,000 ft	33	BELY
NDB	AWY-HI	32.93920	10,668 m	-	
KOLED	R11	55.45310	35,000 ft	36	-
FIX	AWY-HI	33.76640	10,668 m	-	-
RUBAG	R11	55.34280	35,000 ft	10	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	33.99720	10,668 m		
SATAL	R11	55.14640	35,000 ft	18	-
FIX	AWY-HI	34.40310	10,668 m		
URIMI	R11	55.01310	35,000 ft	12	-
FIX	AWY-HI	34.66810	10,668 m		
UK	R11	54.73750	35,000 ft	25	YUKHNOV
NDB	AWY-HI	35.22110	10,668 m		
GITIK	R11	54.73670	35,000 ft	33	-
FIX	AWY-HI	36.17690	10,668 m		
SUGIR	R11	54.73360	35,000 ft	16	-
FIX	AWY-HI	36.64250	10,668 m		
IN	R11	54.60890	35,000 ft	24	SUKHOTINO
NDB	AWY-HI	37.32360	10,668 m		
TUTLA	R11	54.50000	35,000 ft	14	-
FIX	AWY-HI	37.69810	10,668 m		
FV	R11	54.34560	35,000 ft	21	VENEV
NDB	AWY-HI	38.23860	10,668 m		
FE	G3	54.24030	35,000 ft	24	OKTYABRSKIY
NDB	AWY-HI	38.90220	10,668 m		
SULUP	B721	53.97060	35,000 ft	65	-
FIX	AWY-HI	40.70360	10,668 m		
TUPEN	B721	53.88920	35,000 ft	18	-
FIX	AWY-HI	41.22220	10,668 m		
PITOG	G811	53.75470	35,000 ft	19	-
FIX	AWY-HI	41.71250	10,668 m		
LOLA	G811	53.53170	35,000 ft	31	-
FIX	AWY-HI	42.50330	10,668 m		
UDEMI	G3	53.51670	35,000 ft	4	-
FIX	AWY-HI	42.61470	10,668 m		
LUKER	G3	53.20830	35,000 ft	69	-
FIX	AWY-HI	44.47330	10,668 m		
PNZ	G3	53.11380	35,000 ft	20	PENZA
VOR	AWY-HI	45.01770	10,668 m		
RUTEM	G3	52.97000	35,000 ft	22	-
FIX	AWY-HI	45.59670	10,668 m		
BUNAK	G3	52.94500	35,000 ft	5	-
FIX	AWY-HI	45.75000	10,668 m		
ARLEP	G3	52.86170	35,000 ft	13	-
FIX	AWY-HI	46.10500	10,668 m		
PEGAS	G3	52.58500	35,000 ft	37	-
FIX	AWY-HI	47.02170	10,668 m		
BATUR	G3	52.25170	35,000 ft	45	-
FIX	AWY-HI	48.13670	10,668 m		
ABARO	G3	52.12330	35,000 ft	17	-
FIX	AWY-HI	48.56170	10,668 m		
ARISA	G3	51.49000	35,000 ft	82	-
FIX	AWY-HI	50.54830	10,668 m		
URL	G3	51.14870	35,000 ft	42	URALSK
VOR	AWY-HI	51.54380	10,668 m		
EDAKO	A108	50.68890	35,000 ft	43	-
FIX	AWY-HI	52.41940	10,668 m		
GERLI	A108	49.89280	35,000 ft	73	-
FIX	AWY-HI	53.88170	10,668 m		
AGMAN	A108	49.16170	35,000 ft	66	-
FIX	AWY-HI	55.15560	10,668 m		
KURUL	A108	48.84970	35,000 ft	27	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	55.68080	10,668 m		
UGLUK	A108	48.69030	35,000 ft	14	-
FIX	AWY-HI	55.94500	10,668 m		
LOGTO	A108	48.53440	35,000 ft	13	-
FIX	AWY-HI	56.20060	10,668 m		
DINUK	B824	48.35030	35,000 ft	16	-
FIX	AWY-HI	56.49970	10,668 m		
UDATO	B824	47.63360	35,000 ft	62	-
FIX	AWY-HI	57.63190	10,668 m		
ARKER	B824	47.29920	35,000 ft	28	-
FIX	AWY-HI	58.14420	10,668 m		
DOKAM	B824	47.10750	35,000 ft	16	-
FIX	AWY-HI	58.43280	10,668 m		
ABDUN	B824	46.22690	35,000 ft	74	-
FIX	AWY-HI	59.72110	10,668 m		
MILSO	B824	45.42190	35,000 ft	65	-
FIX	AWY-HI	60.76920	10,668 m		
LATNU	B824	44.89580	35,000 ft	42	-
FIX	AWY-HI	61.43140	10,668 m		
RIKTO	B824	44.75110	35,000 ft	11	-
FIX	AWY-HI	61.61060	10,668 m		
ADAKA	B824	43.73780	35,000 ft	80	-
FIX	AWY-HI	62.83190	10,668 m		
BOLNA	B824	43.62000	35,000 ft	9	-
FIX	AWY-HI	62.97000	10,668 m		
RIMDO	B824	43.32780	35,000 ft	22	-
FIX	AWY-HI	63.31030	10,668 m		
ODIVA	B824	42.59170	35,000 ft	57	-
FIX	AWY-HI	64.14670	10,668 m		
TAHIR	A66	42.45330	35,000 ft	9	-
FIX	AWY-HI	64.22500	10,668 m		
TMD	A66	41.75970	35,000 ft	45	TAMDYBULAK
VOR	AWY-HI	64.61650	10,668 m		
TMD	-	41.75000	35,000 ft	0	TAMDYBULAK VOR-DME
DME	-	64.63330	10,668 m		
MAMAL	A66	41.13000	35,000 ft	49	-
FIX	AWY-HI	65.34170	10,668 m		
DAKLI	A66	40.25170	35,000 ft	69	-
FIX	AWY-HI	66.32500	10,668 m		
KULIL	A66	40.12500	35,000 ft	9	-
FIX	AWY-HI	66.46500	10,668 m		
IMVOT	A66	39.88700	35,000 ft	19	-
FIX	AWY-HI	66.75180	10,668 m		
SKD	A66	39.70370	35,000 ft	14	SAMARKAND
VOR	AWY-HI	66.97260	10,668 m		
NUDVU	A66	39.50460	35,000 ft	15	-
FIX	AWY-HI	67.16840	10,668 m		
USETU	A66	39.42830	35,000 ft	5	-
FIX	AWY-HI	67.24330	10,668 m		
ATPOT	G555	39.31330	35,000 ft	9	-
FIX	AWY-HI	67.39170	10,668 m		
EKMIB	G555	39.18500	35,000 ft	10	-
FIX	AWY-HI	67.55830	10,668 m		
NULRI	G555	39.09500	35,000 ft	7	-
FIX	AWY-HI	67.67170	10,668 m		
IBKIT	G555	39.01500	35,000 ft	6	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	67.77170	10,668 m		
GETLI	G555	38.73330	35,000 ft	23	-
FIX	AWY-HI	68.12830	10,668 m		
PR	G555	38.53780	35,000 ft	17	OKTYABRSKIY
NDB	AWY-HI	68.39440	10,668 m		
KURUT	G555	37.83830	35,000 ft	45	-
FIX	AWY-HI	68.78330	10,668 m		
PINAX	G555	37.25000	35,000 ft	38	-
FIX	AWY-HI	69.10000	10,668 m		
OLDEX	V848	36.79670	35,000 ft	30	-
FIX	AWY-HI	69.38330	10,668 m		
ALKIB	V848	35.99440	35,000 ft	54	-
FIX	AWY-HI	69.90440	10,668 m		
SURVI	V848	35.10170	35,000 ft	59	-
FIX	AWY-HI	70.42000	10,668 m		
RAMSO	V848	34.43000	35,000 ft	40	-
FIX	AWY-HI	70.47500	10,668 m		
IMTIL	A455	34.09970	35,000 ft	38	-
FIX	AWY-HI	71.14970	10,668 m		
MALBI	A455	34.09970	35,000 ft	15	-
FIX	AWY-HI	71.46640	10,668 m		
PS	A455	33.97820	35,000 ft	7	PESHAWAR
VOR	AWY-HI	71.51690	10,668 m		
MILOT	J161	33.85750	35,000 ft	10	-
FIX	AWY-HI	71.65830	10,668 m		
KALNA	J161	33.54830	35,000 ft	26	-
FIX	AWY-HI	72.02560	10,668 m		
BELKO	J161	33.04810	35,000 ft	42	-
FIX	AWY-HI	72.62720	10,668 m		
CADIZ	J161	32.63670	35,000 ft	34	-
FIX	AWY-HI	73.11610	10,668 m		
SARPO	J161	31.81330	35,000 ft	68	-
FIX	AWY-HI	74.04780	10,668 m		
LA	J161	31.49970	35,000 ft	26	LAHORE
VOR	AWY-HI	74.40000	10,668 m		
SULOM	-	31.34640	35,000 ft	12	-
FIX	-	74.56580	10,668 m		
ASARI	A466	30.80420	35,000 ft	44	-
FIX	AWY-HI	75.15860	10,668 m		
ELKUX	A466	29.84170	24,200 ft	60	-
FIX	AWY-HI	75.51140	7,376 m		
IGINO	A466	29.01830	8,600 ft	72	-
FIX	AWY-HI	76.53530	2,621 m		
VIDP	-	28.55850	0 ft	40	Indira Gandhi Intl
APT	-	77.09790	0 m		

ENGM

Region: NORWAY
Timezone: EUROPE/OSLO
Runways: 2

Elevation: 681 ft / 208 m
Location: 60.194500 11.098900
Magnetic Var: 4.483 E

METAR

ENGM 160620Z 11004KT 080V150 CAVOK 15/07 Q1021 NOSIG

TAF

TAF ENGM 160500Z 1606/1706 36005KT CAVOK BECMG 1609/1611 16010KT BECMG 1620/1622 VRB05KT

Frequencies

REC - 126.12 MHz - GARDERMOEN ARRIVAL INFORMATION
CLD - 121.67 MHz - GARDERMOEN DELIVERY WEST
GND - 121.75 MHz - GARDERMOEN GROUND
GND - 121.90 MHz - GARDERMOEN GROUND EAST
TWR - 120.10 MHz - GARDERMOEN TOWER
APP - 120.45 MHz - OSLO APPROACH

REC - 127.15 MHz - GARDERMOEN DEPARTURE INFORMATION
CLD - 121.92 MHz - GARDERMOEN DELIVERY EAST
GND - 121.60 MHz - GARDERMOEN GROUND WEST
TWR - 118.30 MHz - GARDERMOEN TOWER
APP - 118.47 MHz - OSLO APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01R	148 ft	9,664 ft	16.01	ASPHALT	0 ft	486 ft
	45 m	2,946 m	11.52		0 m	148 m
19L	148 ft	9,664 ft	196.02	ASPHALT	0 ft	489 ft
	45 m	2,946 m	191.54		0 m	149 m
01L	148 ft	11,797 ft	15.99	ASPHALT	0 ft	423 ft
	45 m	3,596 m	11.51		0 m	129 m
19R	148 ft	11,797 ft	196.01	ASPHALT	0 ft	486 ft
	45 m	3,596 m	191.53		0 m	148 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01L	DME	OBW	110.30 MHz	18 nm	-	-	709 ft
				33 km	-		709 m
01R	DME	ONE	111.95 MHz	18 nm	-	-	723 ft
				33 km	-		723 m
19L	DME	GME	110.55 MHz	18 nm	-	-	729 ft
				33 km	-		729 m
19R	DME	GSW	111.30 MHz	18 nm	-	-	727 ft
				33 km	-		727 m
01L	LOC-ILS	OBW	110.30 MHz	18 nm	16.00	-	681 ft
				33 km	11.52		681 m
01R	LOC-ILS	ONE	111.95 MHz	18 nm	16.04	-	681 ft
				33 km	11.56		681 m
19L	LOC-ILS	GME	110.55 MHz	18 nm	196.04	-	681 ft
				33 km	191.56		681 m
19R	LOC-ILS	GSW	111.30 MHz	18 nm	196.00	-	681 ft
				33 km	191.52		681 m
01L	GS	OBW	110.30 MHz	10 nm	16.00	3.00	681 ft
				19 km	11.52		681 m
01R	GS	ONE	111.95 MHz	10 nm	16.04	3.00	681 ft
				19 km	11.56		681 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19L	GS	GME	110.55 MHz	10 nm	196.04	3.00	681 ft
				19 km	191.56		681 m
19R	GS	GSW	111.30 MHz	10 nm	196.00	3.00	681 ft
				19 km	191.52		681 m

VIDP

Region: INDIA
Timezone: ASIA/KOLKATA
Runways: 3

Elevation: 778 ft / 237 m
Location: 28.558500 77.097900
Magnetic Var: 1.602 E

METAR

VIDP 160630Z 04004KT 3500 HZ NSC 40/12 Q1010 NOSIG

TAF

VIDP 160500Z 1606/1712 05004KT 4000 HZ NSC BECMG 1608/1610 35010KT 5000 HZ BECMG 1615/1617 4000 HZ NSC BECMG 1700/

Frequencies

REC - 126.40 MHz - DELHI ATIS
TWR - 118.10 MHz - DELHI TOWER
APP - 124.20 MHz - DELHI APPROACH
GND - 121.90 MHz - DELHI GROUND
APP - 126.35 MHz - DELHI APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
11	197 ft	14,509 ft	103.69	ASPHALT	2,106 ft	0 ft
	60 m	4,422 m	102.09		642 m	0 m
29	197 ft	14,509 ft	283.72	ASPHALT	4,780 ft	0 ft
	60 m	4,422 m	282.11		1,457 m	0 m
10	150 ft	12,511 ft	104.69	ASPHALT	0 ft	883 ft
	46 m	3,813 m	103.09		0 m	269 m
28	150 ft	12,511 ft	284.71	ASPHALT	0 ft	476 ft
	46 m	3,813 m	283.10		0 m	145 m
09	150 ft	9,219 ft	91.44	ASPHALT	0 ft	197 ft
	46 m	2,810 m	89.84		0 m	60 m
27	150 ft	9,219 ft	271.46	ASPHALT	499 ft	0 ft
	46 m	2,810 m	269.85		152 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10	DME	DEL	109.50 MHz	18 nm	-	-	777 ft
				33 km	-		777 m
27	DME	IDLH	110.50 MHz	18 nm	-	-	777 ft
				33 km	-		777 m
28	DME	IPLM	110.30 MHz	18 nm	-	-	777 ft
				33 km	-		777 m
09	LOC-ILS	IDIA	108.50 MHz	18 nm	91.45	-	778 ft
				33 km	89.85		778 m
10	LOC-ILS	IDEL	109.50 MHz	18 nm	104.70	-	778 ft
				33 km	103.10		778 m
27	LOC-ILS	IDLH	110.50 MHz	18 nm	271.45	-	778 ft
				33 km	269.85		778 m
28	LOC-ILS	IPLM	110.30 MHz	18 nm	284.70	-	778 ft
				33 km	283.10		778 m
11	LOC-ILS	IDMR	111.30 MHz	18 nm	103.71	-	778 ft
				33 km	102.11		778 m
29	LOC-ILS	IDGM	110.90 MHz	18 nm	283.71	-	778 ft
				33 km	282.11		778 m
09	GS	IDIA	108.50 MHz	10 nm	91.45	3.00	778 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				19 km	89.85		778 m
10	GS	IDEL	109.50 MHz	10 nm	104.70	3.00	778 ft
				19 km	103.10		778 m
27	GS	IDLH	110.50 MHz	10 nm	271.45	3.00	778 ft
				19 km	269.85		778 m
28	GS	IPLM	110.30 MHz	10 nm	284.70	3.00	778 ft
				19 km	283.10		778 m
11	GS	IDMR	111.30 MHz	10 nm	103.71	3.00	778 ft
				19 km	102.11		778 m
29	GS	IDGM	110.90 MHz	10 nm	283.71	3.00	778 ft
				19 km	282.11		778 m