

WSSS

Singapore Changi Intl

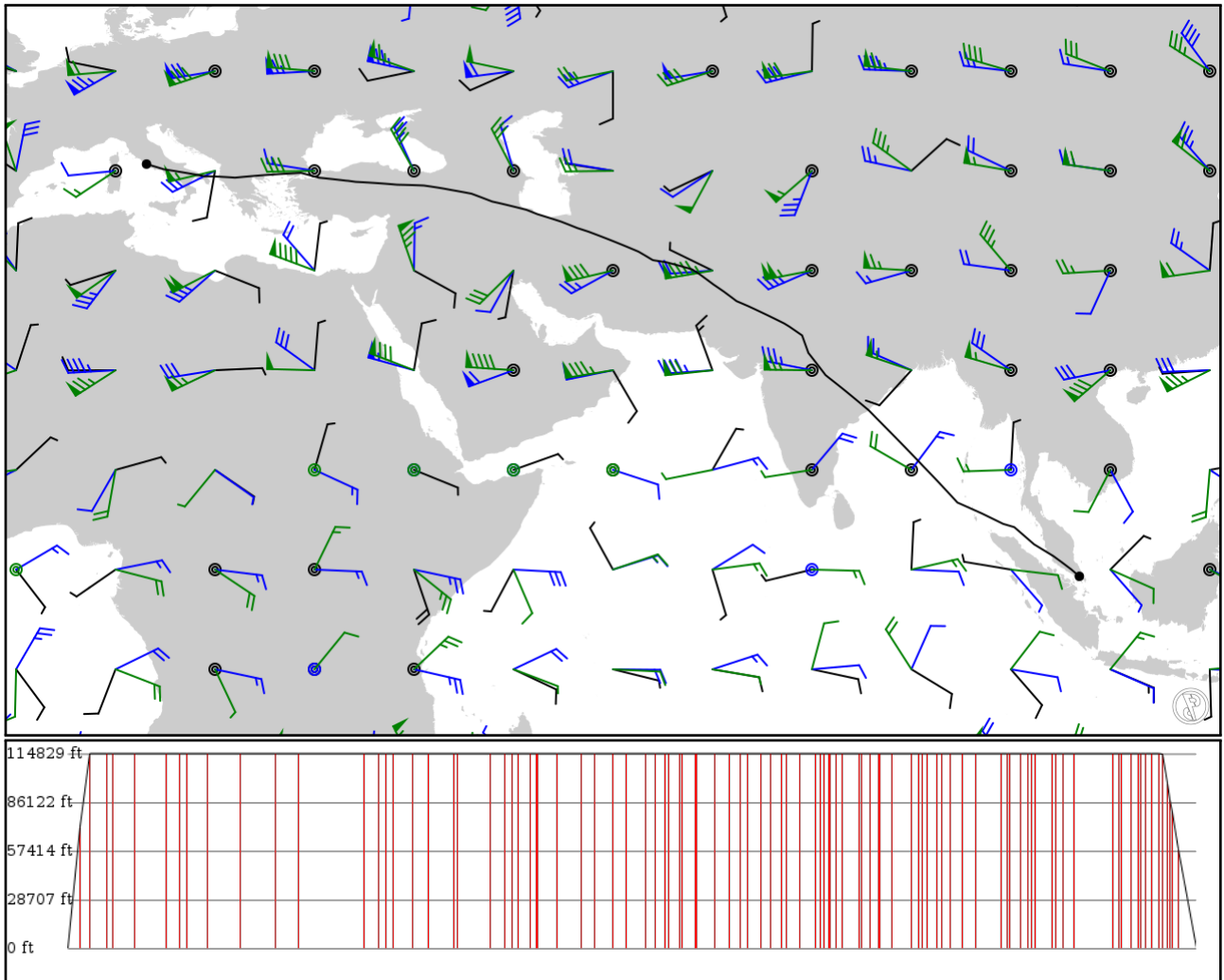
LIRF

Roma-Fiumicino "Leonardo da Vinci"

2024/05/16 0528Z

WSSS MESOG **B466** GUNIP **N571** LAGOG **N877** NNP NNP **W38** BPL **W19** IBANI **P628** PAROD **G202** FARAH DANOD **UL333**
NSR **A416** RST **R660** TBZ TBZ **R660** DASIS **UL333** BAG **UG8** TOKER **UL614** PIMAV **UG8** YAA **UG12** GOLDO **UN79**
PINDO **M603** BRD **L995** TEA LIRF

5520.36 nm / 10223.70 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
WSSS APT	-	1.35551 103.98800	0 ft 0 m	-	Singapore Changi Intl
MESOG FIX	-	2.01742 103.21100	21,800 ft 6,645 m	61	-
GEMAS FIX	B466 AWY-HI	2.53330 102.53100	35,000 ft 10,668 m	51	-
VBA VOR	B466 AWY-HI	3.32481 101.45700	35,000 ft 10,668 m	80	BATU ARANG
SUKAT FIX	B466 AWY-HI	3.59028 101.02000	35,000 ft 10,668 m	30	-
GUNIP FIX	B466 AWY-HI	4.49810 99.53060	35,000 ft 10,668 m	104	-
VAMPI FIX	N571 AWY-HI	6.18222 97.58560	35,000 ft 10,668 m	154	-
MEKAR FIX	N571 AWY-HI	6.50390 96.49110	35,000 ft 10,668 m	68	-
NILAM FIX	N571 AWY-HI	6.75640 95.97640	35,000 ft 10,668 m	34	-
IGOGU FIX	N571 AWY-HI	7.51690 94.41670	35,000 ft 10,668 m	103	-
LAGOG FIX	N571 AWY-HI	8.59417 91.99720	35,000 ft 10,668 m	157	-
DOTEN FIX	N877 AWY-HI	10.74280 89.99720	35,000 ft 10,668 m	175	-
SADAP FIX	N877 AWY-HI	12.10170 88.68920	35,000 ft 10,668 m	112	-
ORARA FIX	N877 AWY-HI	15.98440 84.91440	35,000 ft 10,668 m	320	-
SUPLU FIX	N877 AWY-HI	16.84580 84.06250	35,000 ft 10,668 m	71	-
NODAX FIX	N877 AWY-HI	17.22920 83.68750	35,000 ft 10,668 m	31	-
VVZ VOR	N877 AWY-HI	17.66770 83.25280	35,000 ft 10,668 m	36	VISHAKHAPATNAM
RIBRO FIX	N877 AWY-HI	18.71390 81.99830	35,000 ft 10,668 m	95	-
UXENA FIX	N877 AWY-HI	19.57920 80.94750	35,000 ft 10,668 m	79	-
OMLEG FIX	N877 AWY-HI	20.90420 79.27500	35,000 ft 10,668 m	123	-
NNP VOR	N877 AWY-HI	21.08130 79.05610	35,000 ft 10,668 m	16	NAGPUR
NNP DME	-	21.11160 79.01990	35,000 ft 10,668 m	2	NAGPUR VOR-DME
BPL VOR	W38 AWY-HI	23.28270 77.33590	35,000 ft 10,668 m	160	BHOPAL
BULDI FIX	W19 AWY-HI	24.41280 76.93060	35,000 ft 10,668 m	71	-
IBANI FIX	W19 AWY-HI	25.00030 76.71970	35,000 ft 10,668 m	37	-
UPSOX FIX	P628 AWY-HI	25.26860 76.33250	35,000 ft 10,668 m	26	-
NIKOT	P628	25.88110	35,000 ft	60	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	75.44000	10,668 m		
NOKOK	P628	26.17330	35,000 ft	31	-
FIX	AWY-HI	74.96030	10,668 m		
UKBAB	P628	26.19640	35,000 ft	2	-
FIX	AWY-HI	74.91280	10,668 m		
LATOS	P628	26.95860	35,000 ft	94	-
FIX	AWY-HI	73.36580	10,668 m		
VIKIT	P628	27.87080	35,000 ft	117	-
FIX	AWY-HI	71.42440	10,668 m		
RK	P628	28.36560	35,000 ft	67	RAHIM YAR KHAN
VOR	AWY-HI	70.27320	10,668 m		
AMJID	P628	29.31670	35,000 ft	88	-
FIX	AWY-HI	69.00000	10,668 m		
AMBER	P628	30.00000	35,000 ft	66	-
FIX	AWY-HI	68.00000	10,668 m		
ASLUM	P628	31.02000	35,000 ft	94	-
FIX	AWY-HI	66.62000	10,668 m		
PAROD	P628	31.48330	35,000 ft	46	-
FIX	AWY-HI	65.90000	10,668 m		
NABID	G202	31.74780	35,000 ft	49	-
FIX	AWY-LO	64.97420	10,668 m		
DOLAN	G202	31.84170	35,000 ft	17	-
FIX	AWY-LO	64.65000	10,668 m		
MIKED	G202	32.09360	35,000 ft	50	-
FIX	AWY-LO	63.70360	10,668 m		
DILAM	G202	32.17500	35,000 ft	16	-
FIX	AWY-LO	63.40000	10,668 m		
FARAH	G202	32.36670	35,000 ft	64	-
FIX	AWY-LO	62.15830	10,668 m		
DANOD	-	32.40610	35,000 ft	7	-
FIX	-	62.00890	10,668 m		
SOKAM	UL333	33.22110	35,000 ft	85	-
FIX	AWY-HI	60.63170	10,668 m		
ASVIS	UL333	33.77580	35,000 ft	74	-
FIX	AWY-HI	59.30780	10,668 m		
ALPEX	UL333	34.15530	35,000 ft	51	-
FIX	AWY-HI	58.37250	10,668 m		
TASLU	UL333	34.42530	35,000 ft	37	-
FIX	AWY-HI	57.69190	10,668 m		
LUBIX	UL333	34.87060	35,000 ft	62	-
FIX	AWY-HI	56.53860	10,668 m		
ALROT	UL333	35.18780	35,000 ft	45	-
FIX	AWY-HI	55.69330	10,668 m		
GIBAB	UL333	35.53690	35,000 ft	56	-
FIX	AWY-HI	54.61560	10,668 m		
MIRUR	UL333	35.70580	35,000 ft	22	-
FIX	AWY-HI	54.19420	10,668 m		
LABET	UL333	36.16390	35,000 ft	63	-
FIX	AWY-HI	53.02420	10,668 m		
NSR	UL333	36.65980	35,000 ft	80	NOSHAHR
NDB	AWY-HI	51.46810	10,668 m		
ALKUP	A416	36.78390	35,000 ft	20	-
FIX	AWY-HI	51.06920	10,668 m		
RSR	A416	36.90350	35,000 ft	20	RAMSAR
NDB	AWY-HI	50.68040	10,668 m		
EGMAN	A416	37.05310	35,000 ft	20	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	50.30750	10,668 m		
KOBUB	A416	37.10580	35,000 ft	7	-
FIX	AWY-HI	50.17530	10,668 m		
RST	A416	37.32630	35,000 ft	29	RASHT
VOR	AWY-HI	49.61590	10,668 m		
RALGO	R660	37.47780	35,000 ft	29	-
FIX	AWY-HI	49.02000	10,668 m		
BUDED	R660	37.88690	35,000 ft	83	-
FIX	AWY-HI	47.34220	10,668 m		
RAKED	R660	37.93920	35,000 ft	10	-
FIX	AWY-HI	47.12000	10,668 m		
TBZ	R660	38.13910	35,000 ft	43	TABRIZ VORTAC
DME	AWY-HI	46.23090	10,668 m		
TBZ	-	38.14820	35,000 ft	1	TABRIZ
VOR	-	46.21270	10,668 m		
VUVAG	R660	38.42470	35,000 ft	37	-
FIX	AWY-HI	45.49060	10,668 m		
BORES	R660	38.47470	35,000 ft	6	-
FIX	AWY-HI	45.36030	10,668 m		
DASIS	R660	38.90860	35,000 ft	59	-
FIX	AWY-HI	44.20810	10,668 m		
DORUK	UL333	39.27920	35,000 ft	96	-
FIX	AWY-HI	42.18530	10,668 m		
LATSU	UL333	39.42080	35,000 ft	36	-
FIX	AWY-HI	41.41390	10,668 m		
NEGOL	UL333	39.47640	35,000 ft	15	-
FIX	AWY-HI	41.07920	10,668 m		
GELSU	UL333	39.55830	35,000 ft	24	-
FIX	AWY-HI	40.55690	10,668 m		
ERN	UL333	39.70840	35,000 ft	48	ERZINCAN
VOR	AWY-HI	39.52930	10,668 m		
EBEDI	UL333	39.72500	35,000 ft	18	-
FIX	AWY-HI	39.12360	10,668 m		
ELNEM	UL333	39.75670	35,000 ft	42	-
FIX	AWY-HI	38.19810	10,668 m		
SIV	UL333	39.78970	35,000 ft	60	SIVAS
VOR	AWY-HI	36.89340	10,668 m		
ELDEN	UL333	39.90970	35,000 ft	67	-
FIX	AWY-HI	35.42920	10,668 m		
BAG	UL333	40.06990	35,000 ft	120	BAGLUM (ANKARA)
VOR	AWY-HI	32.81040	10,668 m		
PETAR	UG8	40.17110	35,000 ft	34	-
FIX	AWY-HI	32.08140	10,668 m		
UMRUN	UG8	40.18610	35,000 ft	9	-
FIX	AWY-HI	31.87790	10,668 m		
TOKER	UG8	40.31330	35,000 ft	51	-
FIX	AWY-HI	30.77220	10,668 m		
PIMAV	UL614	40.40060	35,000 ft	37	-
FIX	AWY-HI	29.95370	10,668 m		
EKDAM	UG8	40.43480	35,000 ft	15	-
FIX	AWY-HI	29.61730	10,668 m		
YAA	UG8	40.47500	35,000 ft	18	YALOVA
VOR	AWY-HI	29.20750	10,668 m		
EKI	UG12	40.95110	35,000 ft	85	TEKIRDAG
VOR	AWY-HI	27.42620	10,668 m		
GELBU	UG12	40.93530	35,000 ft	12	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	27.14080	10,668 m		
GOLDO	UG12	40.88220	35,000 ft	40	-
FIX	AWY-HI	26.24940	10,668 m		
NEVAL	UN79	40.81560	35,000 ft	51	-
FIX	AWY-HI	25.10860	10,668 m		
PINDO	UN79	40.48080	35,000 ft	190	-
FIX	AWY-HI	20.95580	10,668 m		
ADDER	M603	40.52390	35,000 ft	29	-
FIX	AWY-LO	20.30470	10,668 m		
OVVER	M603	40.54170	35,000 ft	13	-
FIX	AWY-LO	20.01280	10,668 m		
GOKEL	M603	40.59830	35,000 ft	46	-
FIX	AWY-LO	19.00000	10,668 m		
XAPAT	M603	40.60810	35,000 ft	32	-
FIX	AWY-LO	18.29060	10,668 m		
BRD	M603	40.61090	35,000 ft	13	BRINDISI
VOR	AWY-HI	18.00290	10,668 m		
ROBOT	L995	40.70970	35,000 ft	25	-
FIX	AWY-HI	17.46940	10,668 m		
LUXIL	L995	40.81920	35,000 ft	28	-
FIX	AWY-HI	16.87080	10,668 m		
TOPNO	L995	40.95170	35,000 ft	35	-
FIX	AWY-HI	16.10780	10,668 m		
DOGUS	L995	41.02000	34,900 ft	18	-
FIX	AWY-HI	15.70330	10,638 m		
EKTOL	L995	41.10780	29,700 ft	24	-
FIX	AWY-HI	15.17140	9,053 m		
AMSOR	L995	41.15720	26,700 ft	13	-
FIX	AWY-HI	14.86920	8,138 m		
AKAMO	L995	41.19080	24,500 ft	9	-
FIX	AWY-HI	14.65330	7,468 m		
TEA	L995	41.29680	17,800 ft	31	TEANO
VOR	AWY-HI	13.97070	5,425 m		
LIRF	-	41.81080	0 ft	83	Roma-Fiumicino "Leonardo da Vinci"
APT	-	12.25090	0 m		

WSSS

Region: SINGAPORE

Timezone: ASIA/SINGAPORE

Runways: 2

Elevation: 20 ft / 6 m

Location: 1.355510 103.988000

Magnetic Var: 0.198 E

METAR

WSSS 160500Z 17005KT 9999 FEW015 FEW017TCU FEW018CB SCT150 29/26 Q1010 NOSIG

TAF

TAF AMD WSSS 160135Z 1601/1706 17008KT 9999 FEW015 SCT020 TEMPO 1603/1606 3000 TSRA FEW012CB BKN015

Frequencies

DEP - 123.70 MHz - SINGAPORE RADAR	DEP - 127.30 MHz - SINGAPORE RADAR
DEP - 133.80 MHz - SINGAPORE RADAR	DEP - 133.25 MHz - SINGAPORE RADAR
DEP - 135.80 MHz - SINGAPORE RADAR	DEP - 134.20 MHz - SINGAPORE RADAR
DEP - 133.35 MHz - SINGAPORE RADAR	DEP - 134.40 MHz - SINGAPORE RADAR
DEP - 128.10 MHz - SINGAPORE RADAR	DEP - 255.40 MHz - SINGAPORE RADAR
DEP - 124.05 MHz - SINGAPORE RADAR	APP - 120.30 MHz - SINGAPORE APPROACH
APP - 124.60 MHz - SINGAPORE APPROACH	APP - 119.30 MHz - SINGAPORE ARRIVAL
TWR - 118.60 MHz - SINGAPORE TOWER	TWR - 118.25 MHz - SINGAPORE TOWER
GND - 124.30 MHz - SINGAPORE GROUND	GND - 121.72 MHz - SINGAPORE GROUND
GND - 121.85 MHz - SINGAPORE GROUND	GND - 121.00 MHz - SINGAPORE GROUND EMERGENCY
GND - 122.55 MHz - SINGAPORE GROUND	CLD - 121.65 MHz - SINGAPORE DELIVERY
CLD - 119.60 MHz - SINGAPORE DELIVERY	REC - 128.60 MHz -
REC - 128.02 MHz -	CHANGI AIRPORT INFORMATION (D-ATIS)
CHANGI AIRPORT ARRIVAL INFORMATION	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02L	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20R	197 ft	13,187 ft	202.88	ASPHALT	2,428 ft	390 ft
	60 m	4,020 m	202.68		740 m	119 m
02C	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20C	197 ft	13,187 ft	202.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	202.68		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02C	DME	ICE	108.30 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
02L	DME	ICW	110.90 MHz	18 nm	-	-	20 ft
				33 km	-		20 m
20C	DME	ICC	109.70 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
20R	DME	ICH	108.90 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
02C	LOC-ILS	ICE	108.30 MHz	18 nm	22.88	-	20 ft
				33 km	22.68		20 m
02L	LOC-ILS	ICW	110.90 MHz	18 nm	22.88	-	20 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	22.68		20 m
20C	LOC-ILS	ICC	109.70 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
20R	LOC-ILS	ICH	108.90 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
02C	GS	ICE	108.30 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
02L	GS	ICW	110.90 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
20C	GS	ICC	109.70 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m
20R	GS	ICH	108.90 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m

LIRF

Region: ITALY
Timezone: EUROPE/ROME
Runways: 3

Elevation: 13 ft / 4 m
Location: 41.810800 12.250900
Magnetic Var: 3.667 E

METAR

LIRF 160450Z 07004KT 9999 FEW010 16/16 Q1006 NOSIG

TAF

TAF LIRF 152300Z 1600/1706 14007KT CAVOK BECMG 1609/1611 21012KT BECMG 1700/1702 VRB05KT

Frequencies

REC - 120.17 MHz - ATIS ARRIVAL	REC - 126.12 MHz - ATIS ARRIVAL
REC - 121.85 MHz - ATIS DEPARTURE	CLD - 121.80 MHz - CLEARANCE DELIVERY
GND - 121.72 MHz - FIUME APRON	GND - 121.67 MHz - FIUME GROUND
GND - 121.90 MHz - FIUME GROUND	GND - 122.12 MHz - FIUME GROUND
TWR - 127.62 MHz - FIUME TOWER	TWR - 123.72 MHz - FIUME TOWER
TWR - 118.70 MHz - FIUME TOWER	DEP - 130.90 MHz - ROMA DEPARTURE
DEP - 131.10 MHz - ROMA DEPARTURE	APP - 127.95 MHz - ROMA ARRIVAL
APP - 125.50 MHz - ROMA ARRIVAL	APP - 119.20 MHz - ROMA DIRECT
APP - 131.25 MHz - ROMA DIRECT	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07	148 ft	10,859 ft	69.68	ASPHALT	1,348 ft	0 ft
	45 m	3,310 m	66.01		411 m	0 m
25	148 ft	10,859 ft	249.71	ASPHALT	0 ft	0 ft
	45 m	3,310 m	246.04		0 m	0 m
16R	197 ft	12,814 ft	162.66	ASPHALT	0 ft	0 ft
	60 m	3,906 m	159.00		0 m	0 m
34L	197 ft	12,814 ft	342.67	ASPHALT	0 ft	0 ft
	60 m	3,906 m	339.01		0 m	0 m
16L	197 ft	12,814 ft	162.68	ASPHALT	0 ft	0 ft
	60 m	3,906 m	159.01		0 m	0 m
34R	197 ft	12,814 ft	342.69	ASPHALT	0 ft	0 ft
	60 m	3,906 m	339.02		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
25	DME	FEE	110.15 MHz	25 nm	-	-	25 ft
				46 km	-		25 m
34L	DME	ISW	108.90 MHz	25 nm	-	-	15 ft
				46 km	-		15 m
34R	DME	FSS	111.55 MHz	25 nm	-	-	15 ft
				46 km	-		15 m
16L	LOC-ILS	IFLL	108.10 MHz	18 nm	162.69	-	13 ft
				33 km	159.02		13 m
16R	LOC-ILS	IFRR	109.75 MHz	18 nm	162.67	-	13 ft
				33 km	159.00		13 m
25	LOC-ILS	FEE	110.15 MHz	18 nm	249.69	-	13 ft
				33 km	246.02		13 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34L	LOC-ILS	IFSW	108.90 MHz	18 nm	342.67	-	13 ft
				33 km	339.00		13 m
34R	LOC-ILS	FSS	111.55 MHz	18 nm	342.69	-	13 ft
				33 km	339.02		13 m
16L	GS	IFLL	108.10 MHz	10 nm	162.69	3.00	13 ft
				19 km	159.02		13 m
16R	GS	IFRR	109.75 MHz	10 nm	162.67	3.00	13 ft
				19 km	159.00		13 m
25	GS	FEE	110.15 MHz	10 nm	249.69	3.00	13 ft
				19 km	246.02		13 m
34L	GS	IFSW	108.90 MHz	10 nm	342.67	3.00	13 ft
				19 km	339.00		13 m
34R	GS	FSS	111.55 MHz	10 nm	342.69	3.00	13 ft
				19 km	339.02		13 m