

# EDDF

Frankfurt

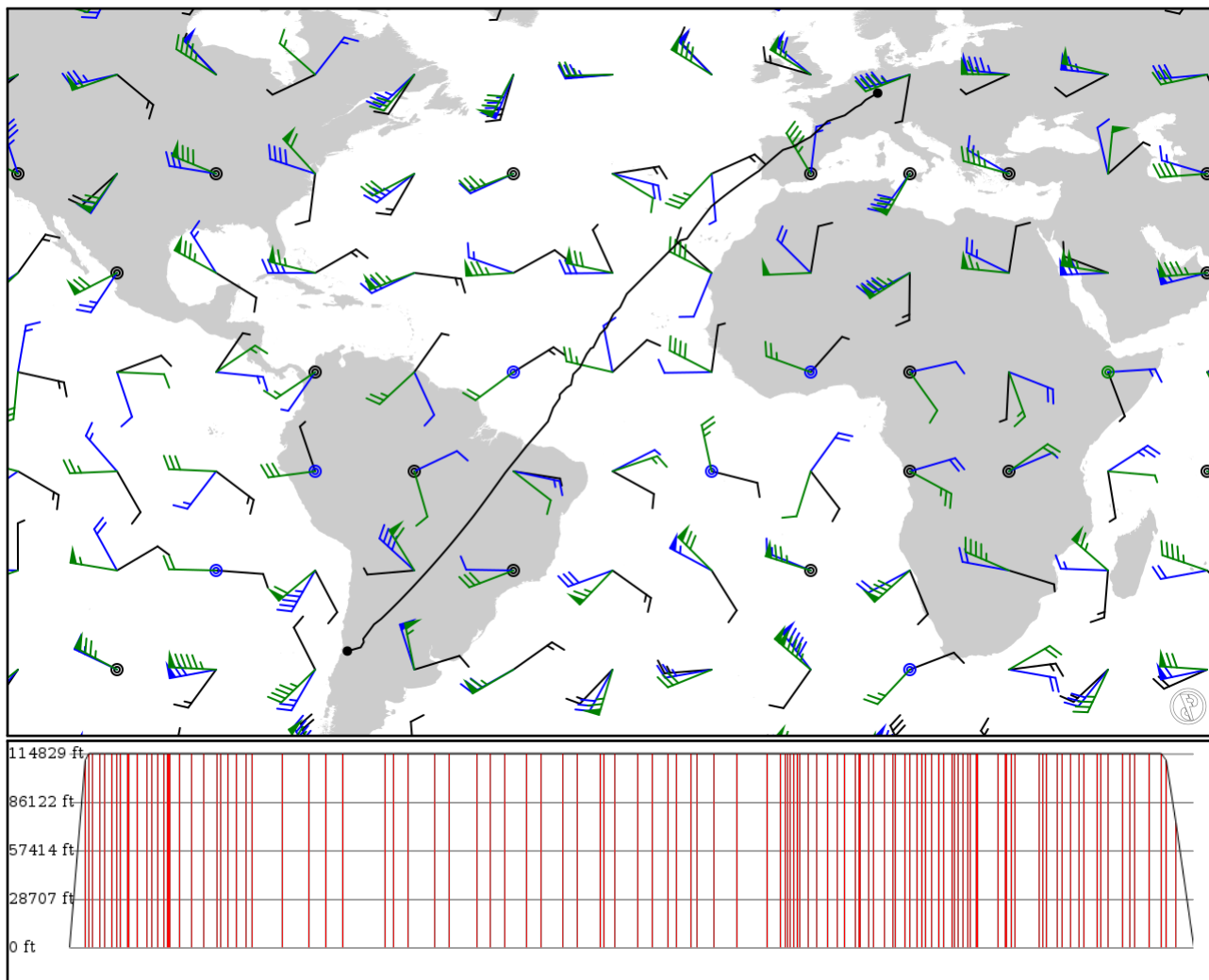
# SCEL

Arturo Merino Benitez Intl

2024/05/04 1803Z

EDDF GTQ **G21** KUKOR **UM129** GUERE **G21** LMG **UN10** ENSAC **UP181** NEA **UN976** ZMR **G52** PINOX **UN745** MAGUM **G52**  
ESP **UN975** NARTA **B18** RULET **UN745** SNT **UN741** ROSTA 2800N0-2100W 2700N0-2200W 2500N0-2400W  
2400N0-2500W 2200N0-2700W 2100N0-2800W 2000N0-2900W 1800N0-3000W 1700N0-3100W 1500N0-3200W  
1400N0-3300W 1200N0-3400W POKSI 1100N0-3500W 900N0-3600W 800N0-3700W ARUSI 600N0-3800W  
500N0-3900W VUREM 300N0-4000W ESLEL **UM799** ISIXU ISKAB **UM799** LAR **UW3** DOZ SCEL

6641.90 nm / 12300.80 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
EDDF	-	50.03260	0 ft	-	Frankfurt
APT	-	8.54067	0 m		
GTQ	-	48.98640	33,800 ft	94	GROSTENQUIN
VOR	-	6.71622	10,302 m		
MONCE	G21	48.70000	35,000 ft	20	-
FIX	AWY-LO	6.43500	10,668 m		
GIVOR	G21	48.65860	35,000 ft	3	-
FIX	AWY-LO	6.39139	10,668 m		
EPL	G21	48.31780	35,000 ft	24	EPINAL MIRECOURT
VOR	AWY-LO	6.05942	10,668 m		
RLP	G21	47.90630	35,000 ft	40	ROLAMPONT
VOR	AWY-LO	5.24917	10,668 m		
KASON	G21	47.55830	35,000 ft	28	-
FIX	AWY-LO	4.77000	10,668 m		
CACHI	G21	47.06670	35,000 ft	40	-
FIX	AWY-LO	4.10667	10,668 m		
MOU	G21	46.70680	35,000 ft	29	MOULINS
VOR	AWY-LO	3.63167	10,668 m		
MENOX	G21	46.57190	35,000 ft	18	-
FIX	AWY-LO	3.22000	10,668 m		
KUKOR	G21	46.54180	35,000 ft	4	-
FIX	AWY-LO	3.12917	10,668 m		
LARON	UM129	46.22750	35,000 ft	42	-
FIX	AWY-HI	2.19833	10,668 m		
GUERE	UM129	46.19000	35,000 ft	5	-
FIX	AWY-HI	2.08944	10,668 m		
LMG	G21	45.81590	35,000 ft	49	LIMOGES
VOR	AWY-LO	1.02558	10,668 m		
VELIN	UN10	44.98000	35,000 ft	62	-
FIX	AWY-HI	0.15556	10,668 m		
SAU	UN10	44.67680	35,000 ft	22	SAUVETERRE DE GUYENNE
VOR	AWY-HI	-0.15292	10,668 m		
ENSAC	UN10	44.20000	35,000 ft	36	-
FIX	AWY-HI	-0.69028	10,668 m		
MAGEC	UP181	43.74830	35,000 ft	34	-
FIX	AWY-HI	-1.19583	10,668 m		
BTZ	UP181	43.46660	35,000 ft	21	BIARRITZ PAYS BASQUE
VOR	AWY-HI	-1.51028	10,668 m		
URUNA	UP181	43.35500	35,000 ft	12	-
FIX	AWY-HI	-1.74028	10,668 m		
SSN	UP181	43.31120	35,000 ft	4	SAN SEBASTIAN
VOR	AWY-HI	-1.83039	10,668 m		
VRA	UP181	42.73190	35,000 ft	57	VITORIA
VOR	AWY-HI	-2.86558	10,668 m		
NEA	UP181	42.02760	35,000 ft	69	TABANERA
VOR	AWY-HI	-4.10914	10,668 m		
ZMR	UN976	41.53020	35,000 ft	74	ZAMORA
VOR	AWY-HI	-5.63969	10,668 m		
RIVRO	G52	40.62280	35,000 ft	73	-
FIX	AWY-LO	-6.72275	10,668 m		
PINOX	G52	40.29060	35,000 ft	26	-
FIX	AWY-LO	-7.10917	10,668 m		
ABRAT	UN745	39.82170	35,000 ft	37	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-7.65417	10,668 m		
MAGUM	UN745	39.16750	35,000 ft	52	-
FIX	AWY-HI	-8.39250	10,668 m		
ESP	G52	38.42410	35,000 ft	58	ESPICHEL
VOR	AWY-LO	-9.18567	10,668 m		
GANSU	UN975	38.00000	35,000 ft	39	-
FIX	AWY-HI	-9.81750	10,668 m		
NARTA	UN975	36.05640	35,000 ft	175	-
FIX	AWY-HI	-12.55810	10,668 m		
RULET	B18	34.25170	35,000 ft	158	-
FIX	AWY-LO	-14.91560	10,668 m		
SNT	UN745	33.09040	35,000 ft	100	PORTO SANTO
VOR	AWY-HI	-16.35060	10,668 m		
NELSO	UN741	31.68290	35,000 ft	101	-
FIX	AWY-HI	-17.45700	10,668 m		
ROSTA	UN741	28.25610	35,000 ft	244	-
FIX	AWY-HI	-20.00000	10,668 m		
2800N0-2100W	-	28.00000	35,000 ft	55	-
LATLON	-	-21.00000	10,668 m		
2700N0-2200W	-	27.00000	35,000 ft	80	-
LATLON	-	-22.00000	10,668 m		
2500N0-2400W	-	25.00000	35,000 ft	161	-
LATLON	-	-24.00000	10,668 m		
2400N0-2500W	-	24.00000	35,000 ft	81	-
LATLON	-	-25.00000	10,668 m		
2200N0-2700W	-	22.00000	35,000 ft	163	-
LATLON	-	-27.00000	10,668 m		
2100N0-2800W	-	21.00000	35,000 ft	82	-
LATLON	-	-28.00000	10,668 m		
2000N0-2900W	-	20.00000	35,000 ft	82	-
LATLON	-	-29.00000	10,668 m		
1800N0-3000W	-	18.00000	35,000 ft	132	-
LATLON	-	-30.00000	10,668 m		
1700N0-3100W	-	17.00000	35,000 ft	82	-
LATLON	-	-31.00000	10,668 m		
1500N0-3200W	-	15.00000	35,000 ft	133	-
LATLON	-	-32.00000	10,668 m		
1400N0-3300W	-	14.00000	35,000 ft	83	-
LATLON	-	-33.00000	10,668 m		
1200N0-3400W	-	12.00000	35,000 ft	133	-
LATLON	-	-34.00000	10,668 m		
POKSI	-	11.85110	35,000 ft	24	-
FIX	-	-34.38390	10,668 m		
1100N0-3500W	-	11.00000	35,000 ft	62	-
LATLON	-	-35.00000	10,668 m		
900N0-3600W	-	9.00000	35,000 ft	133	-
LATLON	-	-36.00000	10,668 m		
800N0-3700W	-	8.00000	35,000 ft	84	-
LATLON	-	-37.00000	10,668 m		
ARUSI	-	6.41667	35,000 ft	97	-
FIX	-	-37.33330	10,668 m		
600N0-3800W	-	6.00000	35,000 ft	47	-
LATLON	-	-38.00000	10,668 m		
500N0-3900W	-	5.00000	35,000 ft	84	-
LATLON	-	-39.00000	10,668 m		
VUREM	-	4.36600	35,000 ft	38	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	-39.05280	10,668 m		
300N0-4000W	-	3.00000	35,000 ft	99	-
LATLON	-	-40.00000	10,668 m		
ESLEL	-	0.93017	35,000 ft	132	-
FIX	-	-40.78220	10,668 m		
POSPI	UM799	-1.35850	35,000 ft	182	-
FIX	AWY-HI	-42.77880	10,668 m		
ESLEB	UM799	-2.33117	35,000 ft	77	-
FIX	AWY-HI	-43.62850	10,668 m		
NADIR	UM799	-2.65750	35,000 ft	26	-
FIX	AWY-HI	-43.91380	10,668 m		
ILSUD	UM799	-2.86783	35,000 ft	16	-
FIX	AWY-HI	-44.08170	10,668 m		
ISIXU	UM799	-3.05950	35,000 ft	14	-
FIX	AWY-HI	-44.23480	10,668 m		
ISKAB	-	-3.31667	35,000 ft	19	-
FIX	-	-44.44080	10,668 m		
EPKOL	UM799	-3.61867	35,000 ft	23	-
FIX	AWY-HI	-44.68320	10,668 m		
VUKER	UM799	-3.77900	35,000 ft	12	-
FIX	AWY-HI	-44.81220	10,668 m		
PAGIT	UM799	-4.42883	35,000 ft	49	-
FIX	AWY-HI	-45.32550	10,668 m		
KOGNI	UM799	-5.14317	35,000 ft	55	-
FIX	AWY-HI	-45.90550	10,668 m		
GEDIR	UM799	-5.93700	35,000 ft	61	-
FIX	AWY-HI	-46.54750	10,668 m		
RICAR	UM799	-6.72233	35,000 ft	60	-
FIX	AWY-HI	-47.17180	10,668 m		
INTEL	UM799	-7.23917	35,000 ft	38	-
FIX	AWY-HI	-47.54220	10,668 m		
LUVGI	UM799	-8.14633	35,000 ft	66	-
FIX	AWY-HI	-48.19450	10,668 m		
GIRAL	UM799	-8.40900	35,000 ft	19	-
FIX	AWY-HI	-48.38420	10,668 m		
GEDOG	UM799	-8.57600	35,000 ft	12	-
FIX	AWY-HI	-48.50470	10,668 m		
ISOBI	UM799	-9.16500	35,000 ft	43	-
FIX	AWY-HI	-48.93130	10,668 m		
ILRIP	UM799	-9.64333	35,000 ft	34	-
FIX	AWY-HI	-49.26630	10,668 m		
OPTEN	UM799	-10.49420	35,000 ft	63	-
FIX	AWY-HI	-49.90180	10,668 m		
SUDNA	UM799	-11.10650	35,000 ft	45	-
FIX	AWY-HI	-50.35230	10,668 m		
BERNA	UM799	-11.35100	35,000 ft	18	-
FIX	AWY-HI	-50.53270	10,668 m		
IVRED	UM799	-12.08930	35,000 ft	54	-
FIX	AWY-HI	-51.08000	10,668 m		
TERES	UM799	-12.47570	35,000 ft	28	-
FIX	AWY-HI	-51.36820	10,668 m		
EGOLA	UM799	-13.10430	35,000 ft	46	-
FIX	AWY-HI	-51.83920	10,668 m		
KOGTU	UM799	-13.47120	35,000 ft	27	-
FIX	AWY-HI	-52.12920	10,668 m		
DIMUB	UM799	-13.68120	35,000 ft	15	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-52.29550	10,668 m		
OBMET	UM799	-14.22830	35,000 ft	41	-
FIX	AWY-HI	-52.73120	10,668 m		
SAMAR	UM799	-14.71300	35,000 ft	36	-
FIX	AWY-HI	-53.11950	10,668 m		
MANSI	UM799	-15.15750	35,000 ft	33	-
FIX	AWY-HI	-53.47750	10,668 m		
ISVOM	UM799	-15.82350	35,000 ft	50	-
FIX	AWY-HI	-54.01770	10,668 m		
LISAN	UM799	-15.96120	35,000 ft	10	-
FIX	AWY-HI	-54.13000	10,668 m		
ISUKA	UM799	-16.22630	35,000 ft	20	-
FIX	AWY-HI	-54.34630	10,668 m		
SINIP	UM799	-16.58380	35,000 ft	27	-
FIX	AWY-HI	-54.64000	10,668 m		
SOSBU	UM799	-17.01170	35,000 ft	32	-
FIX	AWY-HI	-54.99320	10,668 m		
ESTER	UM799	-17.17830	35,000 ft	12	-
FIX	AWY-HI	-55.13130	10,668 m		
TOSAR	UM799	-17.65070	35,000 ft	36	-
FIX	AWY-HI	-55.52450	10,668 m		
DIKAX	UM799	-17.72480	35,000 ft	5	-
FIX	AWY-HI	-55.58750	10,668 m		
CANOP	UM799	-19.35220	35,000 ft	126	-
FIX	AWY-HI	-56.98580	10,668 m		
UMSIL	UM799	-19.85150	35,000 ft	38	-
FIX	AWY-HI	-57.42230	10,668 m		
DAKBU	UM799	-19.92780	35,000 ft	5	-
FIX	AWY-HI	-57.48950	10,668 m		
ESDER	UM799	-20.29480	35,000 ft	28	-
FIX	AWY-HI	-57.81320	10,668 m		
REMEK	UM799	-20.63310	35,000 ft	26	-
FIX	AWY-HI	-58.11310	10,668 m		
NEKAN	UM799	-22.37250	35,000 ft	136	-
FIX	AWY-HI	-59.68140	10,668 m		
ILPUR	UM799	-22.70060	35,000 ft	25	-
FIX	AWY-HI	-59.98060	10,668 m		
EGEXO	UM799	-22.96750	35,000 ft	21	-
FIX	AWY-HI	-60.23030	10,668 m		
AKNEL	UM799	-23.79890	35,000 ft	65	-
FIX	AWY-HI	-60.99560	10,668 m		
GETRA	UM799	-24.13440	35,000 ft	26	-
FIX	AWY-HI	-61.31110	10,668 m		
VINOS	UM799	-24.77580	35,000 ft	51	-
FIX	AWY-HI	-61.92310	10,668 m		
LIXOM	UM799	-25.42470	35,000 ft	51	-
FIX	AWY-HI	-62.55000	10,668 m		
UBRIX	UM799	-25.74940	35,000 ft	26	-
FIX	AWY-HI	-62.86750	10,668 m		
GAVEX	UM799	-26.69970	35,000 ft	76	-
FIX	AWY-HI	-63.81060	10,668 m		
MUDUL	UM799	-26.96690	35,000 ft	21	-
FIX	AWY-HI	-64.07920	10,668 m		
PUBER	UM799	-27.53080	35,000 ft	45	-
FIX	AWY-HI	-64.65310	10,668 m		
CAT	UM799	-28.58360	35,000 ft	85	CATAMARCA

Ident Type	Via	Lat Lon	Alt		Dist (nm)	Name
VOR	AWY-HI	-65.74670	10,668 m			
KAKAN	UM799	-29.06140	35,000 ft	43	-	
FIX	AWY-HI	-66.37060	10,668 m			
LAR	UM799	-29.38860	35,000 ft	30	LA RIOJA	
VOR	AWY-HI	-66.80360	10,668 m			
GILSA	UW3	-30.51640	35,000 ft	80	-	
FIX	AWY-HI	-67.63140	10,668 m			
JUA	UW3	-31.56390	35,000 ft	74	SAN JUAN	
VOR	AWY-HI	-68.42140	10,668 m			
MEBRA	UW3	-32.05860	33,800 ft	30	-	
FIX	AWY-HI	-68.33690	10,302 m			
DOZ	UW3	-32.83180	22,700 ft	51	MENDOZA	
VOR	AWY-HI	-68.79080	6,919 m			
SCEL	-	-33.39100	0 ft	106	Arturo Merino Benitez Intl	
APT	-	-70.79430	0 m			

## EDDF

Region: GERMANY - CIVIL  
Timezone: EUROPE/BERLIN  
Runways: 4

Elevation: 362 ft / 110 m  
Location: 50.032600 8.540670  
Magnetic Var: 3.171 E

## METAR

EDDF 041720Z AUTO 10007KT CAVOK 18/07 Q1010 NOSIG

## TAF

TAF EDDF 041100Z 0412/0518 14006KT CAVOK PROB30 TEMPO 0418/0508 SHRA SCT015 BKN030TCU BECMG 0419/0422 20005KT BKN

## Frequencies

REC - 118.02 MHz - ATIS ARRIVAL  
GND - 121.80 MHz - GROUND  
GND - 121.70 MHz - APRON RAMP/TAXI  
GND - 121.85 MHz - APRON RAMP/TAXI  
TWR - 118.77 MHz - TOWER  
TWR - 124.85 MHz - TOWER  
TWR - 136.50 MHz - TOWER  
APP - 127.27 MHz - FRANKFURT DIRECT  
APP - 125.35 MHz - LANGEN RADAR  
APP - 120.80 MHz - LANGEN RADAR  
APP - 136.12 MHz - LANGEN RADAR

REC - 118.72 MHz - ATIS DEPARTURE  
GND - 121.65 MHz - APRON RAMP/TAXI  
GND - 121.95 MHz - APRON RAMP/TAXI  
GND - 121.75 MHz - APRON RAMP/TAXI  
TWR - 119.90 MHz - TOWER  
TWR - 127.32 MHz - TOWER  
CLD - 121.90 MHz - CLEARANCE DELIVERY  
APP - 118.50 MHz - FRANKFURT DIRECT  
APP - 126.55 MHz - LANGEN RADAR  
APP - 120.15 MHz - LANGEN RADAR  
APP - 119.02 MHz - LANGEN RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07L	148 ft	9,194 ft	69.56	CONCRETE	0 ft	0 ft
	45 m	2,802 m	66.39		0 m	0 m
25R	148 ft	9,194 ft	249.59	CONCRETE	0 ft	0 ft
	45 m	2,802 m	246.42		0 m	0 m
07C	197 ft	13,134 ft	69.57	ASPHALT	0 ft	203 ft
	60 m	4,003 m	66.40		0 m	62 m
25C	197 ft	13,134 ft	249.61	ASPHALT	0 ft	935 ft
	60 m	4,003 m	246.44		0 m	285 m
07R	148 ft	13,134 ft	69.59	ASPHALT	0 ft	213 ft
	45 m	4,003 m	66.42		0 m	65 m
25L	148 ft	13,134 ft	249.63	ASPHALT	0 ft	1,775 ft
	45 m	4,003 m	246.46		0 m	541 m
18	148 ft	13,083 ft	179.64	ASPHALT	0 ft	0 ft
	45 m	3,988 m	176.47		0 m	0 m
36	148 ft	13,083 ft	359.64	ASPHALT	0 ft	121 ft
	45 m	3,988 m	356.47		0 m	37 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	DME	IFNE	111.75 MHz	18 nm	-	-	357 ft
				33 km	-		357 m
25C	DME	IFCW	111.55 MHz	18 nm	-	-	364 ft
				33 km	-		364 m
25R	DME	IFNW	111.35 MHz	18 nm	-	-	357 ft
				33 km	-		357 m



Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07C	LOC-ILS	IFCE	110.55 MHz	18 nm	69.59	-	362 ft
				33 km	66.42		362 m
07L	LOC-ILS	IFNE	111.75 MHz	18 nm	69.58	-	362 ft
				33 km	66.41		362 m
07R	LOC-ILS	IFSE	110.95 MHz	18 nm	69.61	-	362 ft
				33 km	66.44		362 m
25C	LOC-ILS	IFCW	111.55 MHz	18 nm	249.59	-	362 ft
				33 km	246.42		362 m
25L	LOC-ILS	IFSW	111.15 MHz	18 nm	249.61	-	362 ft
				33 km	246.44		362 m
25R	LOC-ILS	IFNW	111.35 MHz	18 nm	249.58	-	362 ft
				33 km	246.41		362 m
07C	GS	IFCE	110.55 MHz	10 nm	69.59	3.00	362 ft
				19 km	66.42		362 m
07L	GS	IFNE	111.75 MHz	10 nm	69.58	3.00	362 ft
				19 km	66.41		362 m
07R	GS	IFSE	110.95 MHz	10 nm	69.61	3.00	362 ft
				19 km	66.44		362 m
25C	GS	IFCW	111.55 MHz	10 nm	249.59	3.00	362 ft
				19 km	246.42		362 m
25L	GS	IFSW	111.15 MHz	10 nm	249.61	3.00	362 ft
				19 km	246.44		362 m
25R	GS	IFNW	111.35 MHz	10 nm	249.58	3.00	362 ft
				19 km	246.41		362 m

## SCEL

Region: CHILE  
Timezone: AMERICA/SANTIAGO  
Runways: 2

Elevation: 1,555 ft / 474 m  
Location: -33.391000 -70.794300  
Magnetic Var: 0.787 E

## METAR

SCEL 041700Z VRB03KT CAVOK 17/M02 Q1016 NOSIG

## TAF

TAF SCEL 041035Z 0412/0512 VRB02KT 7000 SCT160 TX19/0419Z TN05/0510Z BECMG 0415/0417 19012KT CAVOK BECMG 0500/0502 19012KT

## Frequencies

REC - 132.70 MHz - ATIS	TWR - 118.10 MHz - SANTIAGO TOWER
TWR - 118.35 MHz - SANTIAGO TOWER	GND - 122.20 MHz - SANTIAGO GROUND
CLD - 121.70 MHz - CLEARANCE DELIVERY	APP - 119.70 MHz - SANTIAGO APPROACH
APP - 129.70 MHz - SANTIAGO APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17R	148 ft	12,479 ft	177.47	ASPHALT	0 ft	0 ft
	45 m	3,804 m	176.68		0 m	0 m
35L	148 ft	12,479 ft	357.47	ASPHALT	0 ft	0 ft
	45 m	3,804 m	356.68		0 m	0 m
17L	180 ft	12,315 ft	177.42	ASPHALT	0 ft	0 ft
	55 m	3,754 m	176.64		0 m	0 m
35R	180 ft	12,315 ft	357.42	ASPHALT	1,785 ft	0 ft
	55 m	3,754 m	356.64		544 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17L	DME	IUEL	110.30 MHz	18 nm	-	-	1,557 ft
				33 km	-		1,557 m
17R	DME	IMER	111.10 MHz	18 nm	-	-	1,555 ft
				33 km	-		1,555 m
17L	LOC-ILS	IUEL	110.30 MHz	18 nm	177.42	-	1,555 ft
				33 km	176.63		1,555 m
17R	LOC-ILS	IMER	111.10 MHz	18 nm	177.47	-	1,555 ft
				33 km	176.68		1,555 m
17L	GS	IUEL	110.30 MHz	10 nm	177.42	3.00	1,555 ft
				19 km	176.63		1,555 m
17R	GS	IMER	111.10 MHz	10 nm	177.47	3.00	1,555 ft
				19 km	176.68		1,555 m