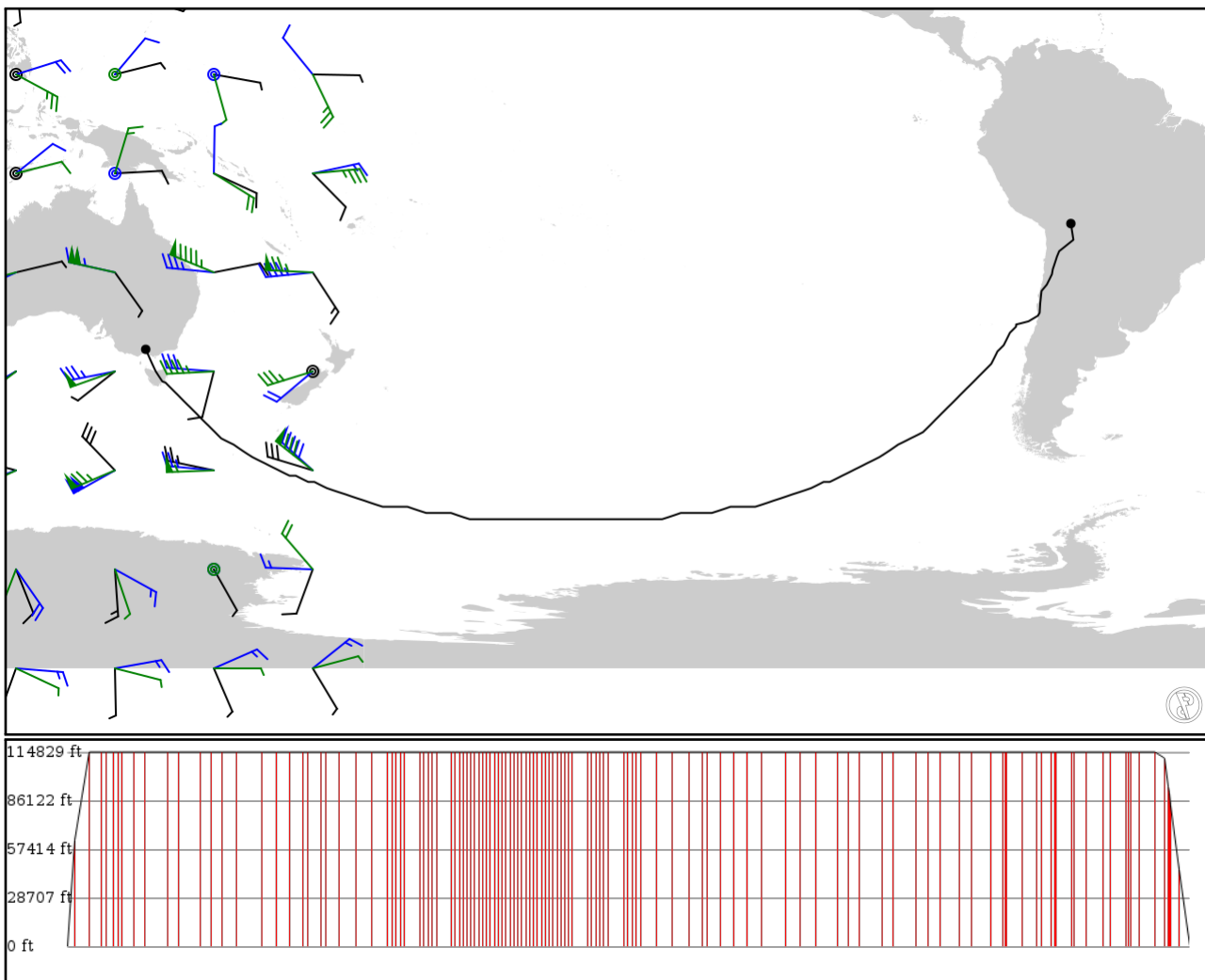


2024/05/03 0920Z

YMML SUNTI **H169** IRSOM **W282** HB HB -4300S14800E -4400S14900E -4500S15000E -4700S15200E -4800S15300E
 -5000S15500E -5100S15600E -5200S15700E -5300S15900E -5500S16200E -5600S16400E -5700S16600E
 -5800S16800E -5800S16900E -5900S17100E -5900S17200E -6000S17400E -6100S17700E -6200S-18000W
 -6300S-17700W -6300S-17600W -6300S-17500W -6300S-17400W -6300S-17300W -6400S-17000W -6400S-16900W
 -6400S-16800W -6400S-16700W -6400S-16600W -6500S-16300W -6500S-16200W -6500S-16100W -6500S-16000W
 -6500S-15900W -6500S-15800W -6500S-15700W -6500S-15600W -6500S-15500W -6500S-15400W -6500S-15300W
 -6500S-15200W -6500S-15100W -6500S-15000W -6500S-14900W -6500S-14800W -6500S-14700W -6500S-14600W
 -6500S-14500W -6500S-14400W -6500S-14300W -6500S-14200W -6500S-14100W -6500S-14000W -6500S-13900W
 -6500S-13800W -6500S-13700W -6500S-13600W -6500S-13500W -6500S-13400W -6500S-13300W -6500S-13200W
 -6400S-12900W -6400S-12800W -6400S-12700W -6400S-12600W -6400S-12500W -6400S-12400W -6300S-12100W
 -6300S-12000W -6300S-11900W -6300S-11800W -6300S-11700W -6200S-11400W -6100S-11100W -6000S-10800W
 -5900S-10600W -5900S-10500W -5800S-10300W -5700S-10100W -5600S-9900W -5500S-9700W -5300S-9400W
 -5200S-9200W -5100S-9000W -4900S-8800W -4800S-8700W -4700S-8600W -4500S-8400W -4400S-8300W
 -4200S-8100W -4100S-8000W -4000S-7900W -3800S-7800W -3700S-7700W -3500S-7600W -3400S-7500W
 RENAB MORSA **UT101** ITANO BUXIS ITAVA **UQ802** PUNAP **UT296** PAGUN **UQ814** LITUX **UT293** SOTKU **UL540** ARUBO
 UN525 PAMAR SLCB

7286.07 nm / 13493.80 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
YMLL	-	-37.66550	0 ft	-	Melbourne
APT	-	144.83700	0 m		
SUNTI	-	-38.50780	19,100 ft	53	-
FIX	-	145.21400	5,822 m		
BENZO	H169	-40.00020	35,000 ft	94	-
FIX	AWY-HI	145.88300	10,668 m		
IRSOM	H169	-41.17000	35,000 ft	74	-
FIX	AWY-HI	146.43400	10,668 m		
LIFFY	W282	-41.65000	35,000 ft	31	-
FIX	AWY-LO	146.73800	10,668 m		
TENIT	W282	-42.36890	35,000 ft	47	-
FIX	AWY-LO	147.20800	10,668 m		
HB	W282	-42.83280	35,000 ft	30	HOBART
VOR	AWY-LO	147.51100	10,668 m		
HB	-	-42.84710	35,000 ft	1	HOBART VOR-DME
DME	-	147.52700	10,668 m		
-4300S14800E	-	-43.00000	35,000 ft	22	-
LATLON	-	148.00000	10,668 m		
-4400S14900E	-	-44.00000	35,000 ft	74	-
LATLON	-	149.00000	10,668 m		
-4500S15000E	-	-45.00000	35,000 ft	73	-
LATLON	-	150.00000	10,668 m		
-4700S15200E	-	-47.00000	35,000 ft	146	-
LATLON	-	152.00000	10,668 m		
-4800S15300E	-	-48.00000	35,000 ft	72	-
LATLON	-	153.00000	10,668 m		
-5000S15500E	-	-50.00000	35,000 ft	143	-
LATLON	-	155.00000	10,668 m		
-5100S15600E	-	-51.00000	35,000 ft	71	-
LATLON	-	156.00000	10,668 m		
-5200S15700E	-	-52.00000	35,000 ft	70	-
LATLON	-	157.00000	10,668 m		
-5300S15900E	-	-53.00000	35,000 ft	94	-
LATLON	-	159.00000	10,668 m		
-5500S16200E	-	-55.00000	35,000 ft	160	-
LATLON	-	162.00000	10,668 m		
-5600S16400E	-	-56.00000	35,000 ft	90	-
LATLON	-	164.00000	10,668 m		
-5700S16600E	-	-57.00000	35,000 ft	89	-
LATLON	-	166.00000	10,668 m		
-5800S16800E	-	-58.00000	35,000 ft	88	-
LATLON	-	168.00000	10,668 m		
-5800S16900E	-	-58.00000	35,000 ft	31	-
LATLON	-	169.00000	10,668 m		
-5900S17100E	-	-59.00000	35,000 ft	86	-
LATLON	-	171.00000	10,668 m		
-5900S17200E	-	-59.00000	35,000 ft	30	-
LATLON	-	172.00000	10,668 m		
-6000S17400E	-	-60.00000	35,000 ft	85	-
LATLON	-	174.00000	10,668 m		
-6100S17700E	-	-61.00000	35,000 ft	107	-
LATLON	-	177.00000	10,668 m		
-6200S-18000W	-	-62.00000	35,000 ft	104	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-180.00000	10,668 m		
-6300S-17700W	-	-63.00000	35,000 ft	102	-
LATLON	-	-177.00000	10,668 m		
-6300S-17600W	-	-63.00000	35,000 ft	27	-
LATLON	-	-176.00000	10,668 m		
-6300S-17500W	-	-63.00000	35,000 ft	27	-
LATLON	-	-175.00000	10,668 m		
-6300S-17400W	-	-63.00000	35,000 ft	27	-
LATLON	-	-174.00000	10,668 m		
-6300S-17300W	-	-63.00000	35,000 ft	27	-
LATLON	-	-173.00000	10,668 m		
-6400S-17000W	-	-64.00000	35,000 ft	100	-
LATLON	-	-170.00000	10,668 m		
-6400S-16900W	-	-64.00000	35,000 ft	26	-
LATLON	-	-169.00000	10,668 m		
-6400S-16800W	-	-64.00000	35,000 ft	26	-
LATLON	-	-168.00000	10,668 m		
-6400S-16700W	-	-64.00000	35,000 ft	26	-
LATLON	-	-167.00000	10,668 m		
-6400S-16600W	-	-64.00000	35,000 ft	26	-
LATLON	-	-166.00000	10,668 m		
-6500S-16300W	-	-65.00000	35,000 ft	98	-
LATLON	-	-163.00000	10,668 m		
-6500S-16200W	-	-65.00000	35,000 ft	25	-
LATLON	-	-162.00000	10,668 m		
-6500S-16100W	-	-65.00000	35,000 ft	25	-
LATLON	-	-161.00000	10,668 m		
-6500S-16000W	-	-65.00000	35,000 ft	25	-
LATLON	-	-160.00000	10,668 m		
-6500S-15900W	-	-65.00000	35,000 ft	25	-
LATLON	-	-159.00000	10,668 m		
-6500S-15800W	-	-65.00000	35,000 ft	25	-
LATLON	-	-158.00000	10,668 m		
-6500S-15700W	-	-65.00000	35,000 ft	25	-
LATLON	-	-157.00000	10,668 m		
-6500S-15600W	-	-65.00000	35,000 ft	25	-
LATLON	-	-156.00000	10,668 m		
-6500S-15500W	-	-65.00000	35,000 ft	25	-
LATLON	-	-155.00000	10,668 m		
-6500S-15400W	-	-65.00000	35,000 ft	25	-
LATLON	-	-154.00000	10,668 m		
-6500S-15300W	-	-65.00000	35,000 ft	25	-
LATLON	-	-153.00000	10,668 m		
-6500S-15200W	-	-65.00000	35,000 ft	25	-
LATLON	-	-152.00000	10,668 m		
-6500S-15100W	-	-65.00000	35,000 ft	25	-
LATLON	-	-151.00000	10,668 m		
-6500S-15000W	-	-65.00000	35,000 ft	25	-
LATLON	-	-150.00000	10,668 m		
-6500S-14900W	-	-65.00000	35,000 ft	25	-
LATLON	-	-149.00000	10,668 m		
-6500S-14800W	-	-65.00000	35,000 ft	25	-
LATLON	-	-148.00000	10,668 m		
-6500S-14700W	-	-65.00000	35,000 ft	25	-
LATLON	-	-147.00000	10,668 m		
-6500S-14600W	-	-65.00000	35,000 ft	25	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-146.00000	10,668 m		
-6500S-14500W	-	-65.00000	35,000 ft	25	-
LATLON	-	-145.00000	10,668 m		
-6500S-14400W	-	-65.00000	35,000 ft	25	-
LATLON	-	-144.00000	10,668 m		
-6500S-14300W	-	-65.00000	35,000 ft	25	-
LATLON	-	-143.00000	10,668 m		
-6500S-14200W	-	-65.00000	35,000 ft	25	-
LATLON	-	-142.00000	10,668 m		
-6500S-14100W	-	-65.00000	35,000 ft	25	-
LATLON	-	-141.00000	10,668 m		
-6500S-14000W	-	-65.00000	35,000 ft	25	-
LATLON	-	-140.00000	10,668 m		
-6500S-13900W	-	-65.00000	35,000 ft	25	-
LATLON	-	-139.00000	10,668 m		
-6500S-13800W	-	-65.00000	35,000 ft	25	-
LATLON	-	-138.00000	10,668 m		
-6500S-13700W	-	-65.00000	35,000 ft	25	-
LATLON	-	-137.00000	10,668 m		
-6500S-13600W	-	-65.00000	35,000 ft	25	-
LATLON	-	-136.00000	10,668 m		
-6500S-13500W	-	-65.00000	35,000 ft	25	-
LATLON	-	-135.00000	10,668 m		
-6500S-13400W	-	-65.00000	35,000 ft	25	-
LATLON	-	-134.00000	10,668 m		
-6500S-13300W	-	-65.00000	35,000 ft	25	-
LATLON	-	-133.00000	10,668 m		
-6500S-13200W	-	-65.00000	35,000 ft	25	-
LATLON	-	-132.00000	10,668 m		
-6400S-12900W	-	-64.00000	35,000 ft	98	-
LATLON	-	-129.00000	10,668 m		
-6400S-12800W	-	-64.00000	35,000 ft	26	-
LATLON	-	-128.00000	10,668 m		
-6400S-12700W	-	-64.00000	35,000 ft	26	-
LATLON	-	-127.00000	10,668 m		
-6400S-12600W	-	-64.00000	35,000 ft	26	-
LATLON	-	-126.00000	10,668 m		
-6400S-12500W	-	-64.00000	35,000 ft	26	-
LATLON	-	-125.00000	10,668 m		
-6400S-12400W	-	-64.00000	35,000 ft	26	-
LATLON	-	-124.00000	10,668 m		
-6300S-12100W	-	-63.00000	35,000 ft	100	-
LATLON	-	-121.00000	10,668 m		
-6300S-12000W	-	-63.00000	35,000 ft	27	-
LATLON	-	-120.00000	10,668 m		
-6300S-11900W	-	-63.00000	35,000 ft	27	-
LATLON	-	-119.00000	10,668 m		
-6300S-11800W	-	-63.00000	35,000 ft	27	-
LATLON	-	-118.00000	10,668 m		
-6300S-11700W	-	-63.00000	35,000 ft	27	-
LATLON	-	-117.00000	10,668 m		
-6200S-11400W	-	-62.00000	35,000 ft	102	-
LATLON	-	-114.00000	10,668 m		
-6100S-11100W	-	-61.00000	35,000 ft	104	-
LATLON	-	-111.00000	10,668 m		
-6000S-10800W	-	-60.00000	35,000 ft	107	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-108.00000	10,668 m		
-5900S-10600W	-	-59.00000	35,000 ft	85	-
LATLON	-	-106.00000	10,668 m		
-5900S-10500W	-	-59.00000	35,000 ft	30	-
LATLON	-	-105.00000	10,668 m		
-5800S-10300W	-	-58.00000	35,000 ft	86	-
LATLON	-	-103.00000	10,668 m		
-5700S-10100W	-	-57.00000	35,000 ft	88	-
LATLON	-	-101.00000	10,668 m		
-5600S0-9900W	-	-56.00000	35,000 ft	89	-
LATLON	-	-99.00000	10,668 m		
-5500S0-9700W	-	-55.00000	35,000 ft	90	-
LATLON	-	-97.00000	10,668 m		
-5300S0-9400W	-	-53.00000	35,000 ft	160	-
LATLON	-	-94.00000	10,668 m		
-5200S0-9200W	-	-52.00000	35,000 ft	94	-
LATLON	-	-92.00000	10,668 m		
-5100S0-9000W	-	-51.00000	35,000 ft	95	-
LATLON	-	-90.00000	10,668 m		
-4900S0-8800W	-	-49.00000	35,000 ft	142	-
LATLON	-	-88.00000	10,668 m		
-4800S0-8700W	-	-48.00000	35,000 ft	72	-
LATLON	-	-87.00000	10,668 m		
-4700S0-8600W	-	-47.00000	35,000 ft	72	-
LATLON	-	-86.00000	10,668 m		
-4500S0-8400W	-	-45.00000	35,000 ft	146	-
LATLON	-	-84.00000	10,668 m		
-4400S0-8300W	-	-44.00000	35,000 ft	73	-
LATLON	-	-83.00000	10,668 m		
-4200S0-8100W	-	-42.00000	35,000 ft	148	-
LATLON	-	-81.00000	10,668 m		
-4100S0-8000W	-	-41.00000	35,000 ft	75	-
LATLON	-	-80.00000	10,668 m		
-4000S0-7900W	-	-40.00000	35,000 ft	75	-
LATLON	-	-79.00000	10,668 m		
-3800S0-7800W	-	-38.00000	35,000 ft	128	-
LATLON	-	-78.00000	10,668 m		
-3700S0-7700W	-	-37.00000	35,000 ft	76	-
LATLON	-	-77.00000	10,668 m		
-3500S0-7600W	-	-35.00000	35,000 ft	129	-
LATLON	-	-76.00000	10,668 m		
-3400S0-7500W	-	-34.00000	35,000 ft	77	-
LATLON	-	-75.00000	10,668 m		
RENAB	-	-33.73440	35,000 ft	15	-
FIX	-	-75.00000	10,668 m		
MORSA	-	-33.66670	35,000 ft	4	-
FIX	-	-75.00000	10,668 m		
ITANO	UT101	-33.15330	35,000 ft	104	-
FIX	AWY-HI	-73.00000	10,668 m		
BUXIS	-	-32.25920	35,000 ft	93	-
FIX	-	-71.49170	10,668 m		
ITAVA	-	-31.78110	35,000 ft	32	-
FIX	-	-71.21140	10,668 m		
EDRON	UQ802	-30.79480	35,000 ft	59	-
FIX	AWY-HI	-71.15180	10,668 m		
TITKI	UQ802	-30.42500	35,000 ft	22	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-71.12970	10,668 m		
ANDAK	UQ802	-30.24360	35,000 ft	10	-
FIX	AWY-HI	-71.11910	10,668 m		
VUGUS	UQ802	-28.50000	35,000 ft	105	-
FIX	AWY-HI	-70.93390	10,668 m		
PUNAP	UQ802	-28.27150	35,000 ft	13	-
FIX	AWY-HI	-70.91020	10,668 m		
BUVSA	UT296	-27.26690	35,000 ft	75	-
FIX	AWY-HI	-70.06750	10,668 m		
PAGUN	UT296	-25.58080	35,000 ft	110	-
FIX	AWY-HI	-69.23280	10,668 m		
LITUX	UQ814	-24.78220	35,000 ft	48	-
FIX	AWY-HI	-69.09330	10,668 m		
ANGAT	UT293	-23.15190	35,000 ft	102	-
FIX	AWY-HI	-68.55310	10,668 m		
PANED	UT293	-22.96530	35,000 ft	11	-
FIX	AWY-HI	-68.49470	10,668 m		
MINAG	UT293	-22.73670	35,000 ft	14	-
FIX	AWY-HI	-68.42060	10,668 m		
SOTKU	UT293	-21.86670	35,000 ft	55	-
FIX	AWY-HI	-68.06250	10,668 m		
EVSAN	UL540	-20.69170	35,000 ft	108	-
FIX	AWY-HI	-66.59420	10,668 m		
ARUBO	UL540	-20.03310	33,900 ft	60	-
FIX	AWY-HI	-65.77110	10,333 m		
IVSOS	UN525	-19.63810	28,800 ft	23	-
FIX	AWY-HI	-65.83280	8,778 m		
DARLA	UN525	-19.55310	27,700 ft	5	-
FIX	AWY-HI	-65.84610	8,443 m		
BURDO	UN525	-19.37830	25,400 ft	10	-
FIX	AWY-HI	-65.87330	7,742 m		
PAMAR	UN525	-18.49360	13,900 ft	53	-
FIX	AWY-HI	-66.01140	4,237 m		
SLCB	-	-17.42040	0 ft	65	Jorge Wilsterman
APT	-	-66.17720	0 m		

YMML

Region: AUSTRALIA
Timezone: AUSTRALIA/MELBOURNE
Runways: 2

Elevation: 433 ft / 132 m
Location: -37.665500 144.837000
Magnetic Var: 11.562 E

METAR

YMML 030900Z AUTO 24003KT 9999 // NCD 12/09 Q1027 RF00.0/000.2

TAF

TAF YMML 030810Z 0309/0412 19006KT CAVOK FM031000 27005KT CAVOK FM031600 32006KT 9999 SCT008 FM040100 19005KT CAVOK

Frequencies

REC - 132.67 MHz - YMML ATIS
GND - 121.70 MHz - MELBOURNE GND
APP - 132.00 MHz - MELBOURNE APP

CLD - 127.20 MHz - MELBOURNE INTL CLD
TWR - 120.50 MHz - MELBOURNE TWR
DEP - 118.90 MHz - MELBOURNE DEP

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	148 ft	7,513 ft	94.00	ASPHALT	0 ft	197 ft
	45 m	2,290 m	82.44		0 m	60 m
27	148 ft	7,513 ft	273.98	ASPHALT	0 ft	174 ft
	45 m	2,290 m	262.42		0 m	53 m
16	155 ft	12,012 ft	171.60	ASPHALT	0 ft	200 ft
	47 m	3,661 m	160.04		0 m	61 m
34	155 ft	12,012 ft	351.60	ASPHALT	0 ft	200 ft
	47 m	3,661 m	340.04		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16	LOC-ILS	IMS	109.70 MHz	18 nm	171.60	-	433 ft
				33 km	160.04		433 m
27	LOC-ILS	IMW	109.30 MHz	18 nm	273.99	-	433 ft
				33 km	262.43		433 m
16	GS	IMS	109.70 MHz	10 nm	171.60	3.00	433 ft
				19 km	160.04		433 m
27	GS	IMW	109.30 MHz	10 nm	273.99	3.00	433 ft
				19 km	262.43		433 m

SLCB

Region: BOLIVIA
Timezone: AMERICA/LA_PAZ
Runways: 2

Elevation: 8,359 ft / 2,548 m
Location: -17.420400 -66.177200
Magnetic Var: 10.659 W

METAR

SLCB 030900Z 00000KT 9999 FEW030 FEW033CB SCT070 BKN200 15/10 Q1021

TAF

TAF TAF SLCB 030400Z 0306/0406 00000KT 9999 FEW030 FEW036CB SCT070 TX28/0319Z TN12/0310Z BECMG 0316/0318 15010KT

Frequencies

TWR - 123.50 MHz -
GND - 121.90 MHz -

REC - 129.00 MHz - RDO
APP - 119.30 MHz - COCHABAMBA APP

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14	148 ft	12,485 ft	132.10	ASPHALT	335 ft	200 ft
	45 m	3,805 m	142.76		102 m	61 m
32	148 ft	12,485 ft	312.10	ASPHALT	984 ft	200 ft
	45 m	3,805 m	322.75		300 m	61 m
04	148 ft	8,718 ft	37.26	ASPHALT	0 ft	0 ft
	45 m	2,657 m	47.92		0 m	0 m
22	148 ft	8,718 ft	217.26	ASPHALT	732 ft	0 ft
	45 m	2,657 m	227.92		223 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
32	DME	ILCO	110.50 MHz	18 nm	-	-	8,360 ft
				33 km	-		8,360 m
32	LOC-ILS	ILCO	110.50 MHz	18 nm	311.99	-	8,360 ft
				33 km	322.65		8,360 m
32	GS	ILCO	110.50 MHz	10 nm	312.20	3.30	8,360 ft
				19 km	322.85		8,360 m