KMSO
Missoula Intl

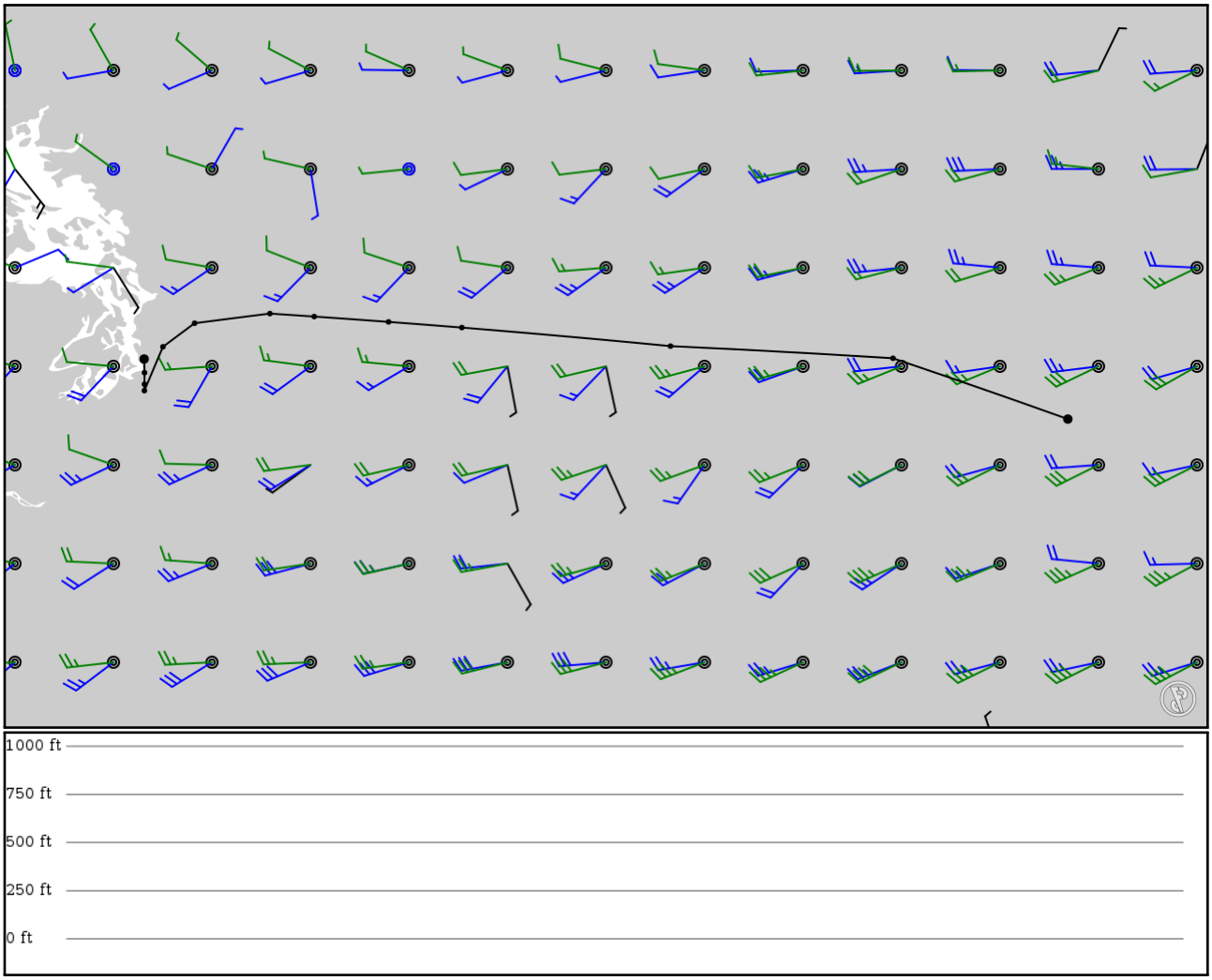
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KSEA
Seattle Tacoma Intl

2024/03/29 1224Z

KMSO MLP GEG TEMPL WITRO SWAUK GLASR WOODI HETHR NEEAL KLEWS BUCKK KSEA

382.85 nm / 709.04 km



Notes

Requested: KMSO MLP GEG TEMPL WITRO SWAUK GLASR BFI WOODI HETHR NEEAL KLEWS BUCKK KSEA

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KMSO APT	–	46.91624 -114.08974	0 ft 0 m	–	Missoula Intl
MLP VOR	–	47.45692 -115.64606	0 ft 0 m	71	MULLAN PASS VOR-DME
GEG VOR	–	47.56494 -117.62689	0 ft 0 m	80	SPOKANE VORTAC
TEMPL FIX	–	47.72989 -119.48439	0 ft 0 m	75	–
WITRO FIX	–	47.78046 -120.13666	0 ft 0 m	26	–
SWAUK FIX	–	47.82789 -120.79858	0 ft 0 m	26	–
GLASR FIX	–	47.85428 -121.19280	0 ft 0 m	15	–
WOODI FIX	–	47.76874 -121.86325	0 ft 0 m	27	–
HETHR FIX	–	47.55905 -122.14496	0 ft 0 m	16	–
NEEAL FIX	–	47.16903 -122.31032	0 ft 0 m	24	–
KLEWS FIX	–	47.22609 -122.30983	0 ft 0 m	3	–
BUCKK FIX	–	47.32882 -122.30893	0 ft 0 m	6	–
KSEA APT	–	47.45019 -122.31232	0 ft 0 m	7	Seattle Tacoma Intl

KMSO

Region: UNITED STATES
Timezone: AMERICA/DENVER
Runways: 2

Elevation: 3,205 ft / 977 m
Location: 46.916200 -114.090000
Magnetic Var: 12.501 E

METAR

KMSO 291153Z AUTO 00000KT 10SM OVC070 01/M01 A2987 RMK AO2 SLP135 70002 T00061006 10039 20000 50003

TAF

KMSO 291122Z 2912/3012 00000KT P6SM BKN070 OVC120 FM292000 29006KT P6SM VCSH FEW070 BKN090 FM300100 33004KT P6SM

Frequencies

REC - 126.65 MHz - ATIS
COM - 122.95 MHz - MISSOULA UNICOM
TWR - 118.40 MHz - MISSOULA TOWER
APP - 124.90 MHz - SPOKANE APPROACH

COM - 118.40 MHz - CTAF
GND - 121.90 MHz - MISSOULA GROUND
DEP - 124.90 MHz - SPOKANE DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12	150 ft 46 m	9,489 ft 2,892 m	130.53 118.03	ASPHALT	0 ft 0 m	200 ft 61 m
30	150 ft 46 m	9,489 ft 2,892 m	310.55 298.05	ASPHALT	0 ft 0 m	200 ft 61 m
08	75 ft 23 m	4,603 ft 1,403 m	89.33 76.83	ASPHALT	0 ft 0 m	0 ft 0 m
26	75 ft 23 m	4,603 ft 1,403 m	269.35 256.85	ASPHALT	0 ft 0 m	0 ft 0 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	IMSO	109.30 MHz	18 nm 33 km	130.55 118.05	-	3,205 ft 3,205 m
12	GS	IMSO	109.30 MHz	10 nm 19 km	130.55 118.05	3.00	3,205 ft 3,205 m

KSEA

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 3
Elevation: 432 ft / 132 m
Location: 47.450200 -122.312000
Magnetic Var: 14.791 E

METAR

KSEA 291153Z 13004KT 10SM SCT036 OVC045 06/04 A2987 RMK AO2 RAE41 SLP123 P0001 60003 7//// T00610039 10078 20061 5

TAF

KSEA 291132Z 2912/3018 18008KT P6SM -SHRA BKN035 OVC050 FM291400 18008KT P6SM SCT035 BKN050 OVC070 FM291800 VRB03

Frequencies

REC - 118.00 MHz - SEATTLE ATIS
GND - 121.70 MHz - SEATTLE GROUND
TWR - 120.95 MHz - SEATTLE TOWER
DEP - 120.10 MHz - SEATTLE DEPARTURE
CLD - 128.00 MHz - SEATTLE CLEARANCE
TWR - 119.90 MHz - SEATTLE TOWER
APP - 133.65 MHz - SEATTLE APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16L	151 ft 46 m	11,904 ft 3,628 m	180.35 165.56	CONCRETE	0 ft 0 m	400 ft 122 m
34R	151 ft 46 m	11,904 ft 3,628 m	0.35 345.56	CONCRETE	0 ft 0 m	400 ft 122 m
16C	151 ft 46 m	9,428 ft 2,874 m	180.34 165.55	CONCRETE	0 ft 0 m	400 ft 122 m
34C	151 ft 46 m	9,428 ft 2,874 m	0.34 345.55	CONCRETE	0 ft 0 m	397 ft 121 m
16R	151 ft 46 m	8,502 ft 2,591 m	180.34 165.55	CONCRETE	0 ft 0 m	200 ft 61 m
34L	151 ft 46 m	8,502 ft 2,591 m	0.34 345.55	CONCRETE	0 ft 0 m	197 ft 60 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16C	DME	ISZI	111.70 MHz	18 nm 33 km	- -	-	470 ft 470 m
16L	DME	ISNQ	110.30 MHz	18 nm 33 km	- -	-	369 ft 369 m
16R	DME	ICJL	110.75 MHz	18 nm 33 km	- -	-	410 ft 410 m
34C	DME	ITUC	111.70 MHz	18 nm 33 km	- -	-	470 ft 470 m
34L	DME	IBEJ	110.75 MHz	18 nm 33 km	- -	-	410 ft 410 m
34R	DME	ISEA	110.30 MHz	18 nm 33 km	- -	-	469 ft 469 m
16C	LOC-ILS	ISZI	111.70 MHz	18 nm 33 km	180.34 165.55	-	355 ft 355 m
16L	LOC-ILS	ISNQ	110.30 MHz	18 nm 33 km	180.34 165.55	-	338 ft 338 m
16R	LOC-ILS	ICJL	110.75 MHz	18 nm 33 km	180.34 165.55	-	410 ft 410 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34C	LOC-ILS	ITUC	111.70 MHz	18 nm 33 km	0.34 345.55	-	422 ft 422 m
34L	LOC-ILS	IBEJ	110.75 MHz	18 nm 33 km	0.34 345.55	-	433 ft 433 m
34R	LOC-ILS	ISEA	110.30 MHz	18 nm 33 km	0.34 345.55	-	428 ft 428 m
16C	GS	ISZI	111.70 MHz	10 nm 19 km	180.67 165.88	3.00	418 ft 418 m
16L	GS	ISNQ	110.30 MHz	10 nm 19 km	180.69 165.90	3.00	425 ft 425 m
16R	GS	ICJL	110.75 MHz	10 nm 19 km	180.67 165.88	3.00	410 ft 410 m
34C	GS	ITUC	111.70 MHz	10 nm 19 km	0.67 345.88	3.00	367 ft 367 m
34L	GS	IBEJ	110.75 MHz	10 nm 19 km	0.67 345.88	3.00	360 ft 360 m
34R	GS	ISEA	110.30 MHz	10 nm 19 km	0.69 345.90	2.75	355 ft 355 m