

RADIO FIX AND HOLDING DATA RECORD

NAME: GLORR

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 443904.42N/1224735.76W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	SALEM	I-SLE	LOC		133.09	150.09	18.54	18.54	3200	17500
2	EUGENE	EUG	VORTAC	VH	015.00	030.00	36.80	36.80	4000	17500
3	CORVALLIS	CVO	VOR/DME	VH	048.85	066.85		23.31	4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SLE	LOC	R-133	19	3200	12000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SALEM (FAC 1) AND EUGENE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V448	1, 2, 3				(US)
IAP	ILS OR LOC Z RWY 31	1		KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31	1		KSLE	SALEM	OR (US)
IAP	RNAV (GPS) RWY 31			KSLE	SALEM	OR (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. CHANGED FAC 1 MRA FROM 4000 TO 3200.
2. CHANGED ESV I-SLE MIN FROM 4600 TO 3200 AND MAX FROM 17500 TO 12000.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DALE SICKELS

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A421

NAME: JASON KRETSCHMER

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
May 08, 2023

QUALITY
47
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GNNET STATE: OR COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 450615.74N/1225044.25W TYPE: WP, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	BATTLE GROUND	BTG	VORTAC	H	174.63	195.63	40.08	40.08	5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BTG	VORTAC	R-175	41	5000	17500

FIX RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N		WP	358.00	178.00	R		4	2900	5000	4	14
2	S		WP	174.36	354.36	R		1	5000	9000	7	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	451509.00N/1225112.00W	712	4E
1	310	AAO	452112.00N/1225839.00W	1805	4E
2	200	AAO	445703.00N/1224351.00W	1362	4E
2	310	AAO	445445.00N/1223821.00W	2146	4E

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	GNNET RNAV	KUAO	AURORA	OR (US)
2	ILS OR LOC Z RWY 31	KSLE	SALEM	OR (US)
2	LOC Y RWY 31	KSLE	SALEM	OR (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GNNET RNAV		1	KUAO	AURORA	OR (US)
EN ROUTE	V23	1				(US)
IAP	ILS OR LOC Z RWY 31	1	2	KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31	1	2	KSLE	SALEM	OR (US)

REQUIRED CHARTING: DP, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

- ADDED HOLDING PATTERN 2 AND ASSOCIATED OBSTACLES.
- ADDED ILS OR LOC Z RWY 31 AT KSLE TO FIX USE.
- ADDED LOC Y RWY 31 AND ILS OR LOC Z RWY 31 AT KSLE TO PROCEDURES REQUIRING CLIMB-IN-HOLD.
- ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: CHARLES THIBODEAUX

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
Mar 10, 2023

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JAIME STATE: OR COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 442507.17N/1223628.01W TYPE: WP, INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	SALEM	I-SLE	LOC/DME		133.09	150.09	34.60	34.61	5400	16000
2	CORVALLIS	CVO	VOR/DME	VH	081.11	099.11	29.87	29.87	6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SLE	LOC/DME	R-133	35	5400	12000

FIX RESTRICTIONS:

MCA V536 8300 EASTBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SALEM (FAC 1) AND CORVALLIS (FAC 2) USED TO ESTABLISH FIX COORDINATES.
I-SLE DME LAT/LONG: 445507.81N / 1230036.29W
DME ONLY ABOVE 16000.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T274					(US)
EN ROUTE	V536	1, 2				OR (US)
IAP	ILS OR LOC Z RWY 31	1		KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31	1		KSLE	SALEM	OR (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. CHANGED FAC 1 MRA FROM 6000 TO 5400.
2. CHANGED ESV I-SLE MIN FROM 4600 TO 5400 AND MAX FROM 16000 TO 12000.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DALE SICKELS

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A421

NAME: JASON KRETSCHMER

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
May 08, 2023

QUALITY
47
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LOTKE

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 444909.69N/1225542.38W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	SALEM	I-SLE	LOC/DME		133.09	150.09	6.91	6.92	42028	2100	9000
2	CORVALLIS	CVO	VOR/DME	H	021.06	039.06		24.76		2100	17500
3	NEWBERG	UBG	VOR/DME	H	155.21	176.21		32.11		2100	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SLE	LOC/DME	R-133	7	4600	9000

FIX RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	I-SLE	LOC/DME	133.09	313.09	R	1		2400	9000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	444103.00N/1224606.00W	1365	4E

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
I-SLE DME LAT/LONG: 445507.81N / 1230036.29W
SALEM (FAC 1) AND CORVALLIS (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC Z RWY 31	1, 2, 3	1	KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31	1, 2, 3		KSLE	SALEM	OR (US)
IAP	RNAV (GPS) RWY 31			KSLE	SALEM	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

- ADDED LOC Y RWY 31 AT KSLE TO FIX USE
- REMOVED LOC BC RWY 13 AT KSLE FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: CHARLES THIBODEAUX

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
Mar 10, 2023

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SCIOS

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 444523.37N/1225240.04W

TYPE: INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	SALEM	I-SLE	LOC/DME		133.09	150.09	11.26	11.27		3400	4600
2	CORVALLIS	CVO	VOR/DME	VH	030.99	048.99		23.56		3200	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-SLE DME LAT/LONG: 445507.81N / 1230036.29W

SALEM (FAC1) AND CORVALLIS (FAC2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC Z RWY 31	1, 2		KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31	1		KSLE	SALEM	OR (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. CHANGED FAC 2 MRA FROM 3400 TO 3200.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DALE SICKELS

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A421

NAME: JASON KRETSCHMER

SIGNATURE:

Digitally signed by

JASON KRETSCHMER

May 08, 2023

QUALITY
47
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TURNO NDB STATE: OR COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 445050.76N/1225703.67W TYPE: INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	TURNO	SL	NDB	MH							17500
2	SALEM	I-SLE	LOC/DME		133.09	150.09	4.97	4.98	30234	1700	17500
3	EUGENE	EUG	VORTAC	H	359.90	014.90	45.13	45.13		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
EUG	VORTAC	R-360	46	3000	17500
I-SLE	LOC/DME	BRG-133	5	4600	17500

HOLDING: HOLDING TYPE OF ACTION: CANCEL

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SE	SL	NDB	133.09	313.09	L	1-1 1/2	3000 17500	4 16
2	S	EUG	VORTAC	179.90	359.90	R	1-1 1/2	3000 17500	6 18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	444644.70N/1225922.50W	1295	6C
1	310	AAO	444036.00N/1224339.00W	1651	4E
2	200	AAO	444644.70N/1225922.50W	1295	6C

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC Z RWY 31	KSLE	SALEM	OR (US)
1	LOC Y RWY 31	KSLE	SALEM	OR (US)
1	TAKEOFF MINS (ODP)	KSLE	SALEM	OR (US)

REMARKS:

1. I-SLE DME COORDINATES: 445507.81N/1230036.29W.
2. PAT 2 ATC REQUEST.
3. HOLDING PATTERN 1 BASED ON TURNO NDB.
4. HOLDING PATTERN 2 REQUIRES DME.
5. PRECIPITOUS TERRAIN EVALUATION COMPLETED.
6. FACILITY MAG VAR E17 2005.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SALEM	1		KSLE	SALEM	OR (US)
DP	TAKEOFF MINS (ODP)	1	1	KSLE	SALEM	OR (US)
EN ROUTE	V-23	2, 3				(US)
IAP	ILS OR LOC RWY 17	1, 3		KCVO	CORVALLIS	OR (US)
IAP	ILS OR LOC Z RWY 31	1, 2	1	KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31	1, 2	1	KSLE	SALEM	OR (US)

REQUIRED CHARTING: DP, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: CHRISTOPHER SCHONES
APPROVED BY:	DATE: 02/23/2023	OFFICE: AJV-A420	NAME: MARLON ROBINSON



SIGNATURE: *Digitally signed by*
JASON KRETSCHMER

DISTRIBUTION: **NFDC**
 FPO: WST Mar 10, 2023
 ARTCC: ZSE
 ATC FACILITY: CASCADE APP CON, SEA APP CON, SLE TOWER
 OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TURNO

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 445033.74N/1225650.21W

TYPE: INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	SALEM	I-SLE	LOC/DME		133.09	150.09	5.29	5.30 32212	1700	17500
2	EUGENE	EUG	VORTAC	H	000.19	015.19	44.90	44.90	3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
EUG	VORTAC	R-360	45	3000	17500
I-SLE	LOC/DME	B-133	5	4600	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-23	1, 2				(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/23/2023

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: CHARLES THIBODEAUX

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
Mar 10, 2023

QUALITY
10
CHECKED