

RADIO FIX AND HOLDING DATA RECORD

NAME: BREWSTER COUNTY NDB **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 302729.53N/1033848.53W **TYPE:**

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	BREWSTER COUNTY	BWR	NDB	MH							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	N	BWR	NDB	013.52	193.52	L	1	7000 10000	8 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	303833.00N/1033730.00W	5666	4E
1	310	AAO	301939.00N/1033048.00W	6405	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN W OF NDB

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS AND ODP	E38	ALPINE	TX (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS AND ODP		1	E38	ALPINE	TX (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 09/10/2020

REASON FOR REVISION:

REMOVED KE38 NDB RWY 19 FROM FIX USE.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** JOHN KEEFER

APPROVED BY: **DATE:** 12/02/2021 **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MARFA VOR/DME STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 301754.14N/1035717.12W TYPE:

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	MARFA	MRF	VOR/DME	L							17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	MRF	VOR/DME	132.87	312.87	L	1-1 1/2		8200	17500	9	16
2	SE	MRF	VOR/DME	133.00	313.00	L	1		8200	14000	9	10
3	N		WP	006.52	186.52	R		7	9000	14000	10	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	301300.00N/1034651.00W	5965	4E
1	310	AAO	300627.00N/1034315.00W	6926	4E
2	230	AAO	301300.00N/1034651.00W	5965	4E
2	310	AAO	300627.00N/1034315.00W	6926	4E
3	230	AAO	302418.00N/1035027.00W	7005	3E
UPN	230	AAO	303353.50N/1040133.50W	7500	6C

REASON FOR NONSTANDARD HOLDING:

PAT 1 AND 2 TERRAIN AVOIDANCE

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE AIRWAY MEA.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR RWY 31	KMRF	MARFA	TX (US)
2	TAKEOFF MINIMUMS	KMRF	MARFA	TX (US)

REMARKS:

PAT 1 & 2 MINIMUM HOLDING ALTITUDE BASED ON AIRSPACE OF 310 AIRSPEED CLIMB-IN-HOLD PATTERN
 PAT 3 OBSTACLE IPDS CALCULATED ACCURACY CODE, HORIZONTAL - 88.58, VERTICAL - 98.43
 PRECIPITOUS TERRAIN EVALUATION COMPLETED
 ASSIGNED FACILITY MAGVAR: 11E/1965

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ODKAE			E38	ALPINE	TX (US)
DP	TAKEOFF MINIMUMS		2	KMRF	MARFA	TX (US)
DP	TAKEOFF MINIMUMS			KPRS	PRESIDIO	TX (US)
EN ROUTE	V81					(US)
IAP	RNAV (GPS) RWY 19			E38	ALPINE	TX (US)
IAP	RNAV (GPS) RWY 23			E38	ALPINE	TX (US)
IAP	RNAV (GPS) RWY 31			KMRF	MARFA	TX (US)
IAP	VOR RWY 31		1	KMRF	MARFA	TX (US)
IAP	RNAV (GPS)-A		3	KPRS	PRESIDIO	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

REMARKS: ADDED ASSIGNED FACILITY MAGVAR 11E/1965.
 FIX USE: ADDED DP ODKAE AT E38 ALPINE.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: DEXTER SWEETING
 APPROVED BY: DATE: 12/02/2021 OFFICE: AJV-A430 NAME: LONNIE EVERHART
 SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ODKAE

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 302939.02N/1032703.43W

TYPE: WP, 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	MARFA	MRF	VOR/DME	L	054.72	065.72	28.65			17500

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	NE		WP	052.83	232.83	L		7	9000	10000	10	10
2	NE	MRF	VOR/DME	054.72	234.72	L	1		8600	10000	10	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	302451.00N/1031812.00W	6539	4E
1	310	AAO	302157.00N/1031806.00W	6870	4E
2	230	AAO	302451.00N/1031812.00W	6539	4E
2	310	AAO	302157.00N/1031806.00W	6870	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	120
1	310	140
2	310	140
2	230	120

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 19	E38	ALPINE	TX (US)
1	RNAV (GPS) RWY 23	E38	ALPINE	TX (US)
2	ODKAE	E38	ALPINE	TX (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ODKAE	1	2	E38	ALPINE	TX (US)
IAP	RNAV (GPS) RWY 19		1	E38	ALPINE	TX (US)
IAP	RNAV (GPS) RWY 23		1	E38	ALPINE	TX (US)

REQUIRED CHARTING: DP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

TYPE: ADDED DME.
FIX MAKE-UP FACILITY: ADDED FAC 1 MARFA MRF VOR/DME.
PATTERNS: ADDED PAT 2 AND ALL REQUIRED DOCUMENTATION NOTES AND OBSTRUCTIONS.
HOLDING RESTRICTIONS: UPDATED HOLDING RESTRICTIONS NOTE TO HOLDING LIMITED TO ESTABLISHED PATTERNS.
FIX-USE: ADD DP ODKAE AT E38 ALPINE.
REQUIRED CHARTING: ADDED DP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 12/02/2021

OFFICE: AVJ-A430

NAME: LONNIE EVERHART

SIGNATURE: