

RADIO FIX AND HOLDING DATA RECORD

NAME: BROKE

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 354152.57N/1005704.53W

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 NM | FAC FEET | MRA | MAA |
|-----|-----------|-------|--------|-------|---------|----------|-------|--------------|----------|------|-------|
| 1 | PANHANDLE | PNH | VORTAC | H | 044.67 | 052.67 | 45.96 | 45.96 | | 5500 | 17500 |
| 2 | BORGER | BGD | VORTAC | L | 096.13 | 107.13 | 22.04 | 22.04 | | 5000 | 17500 |

EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| PNH | VORTAC | R-045 | 46 | 5500 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

PANHANDLE (FAC 1) AND BORGER (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-------------------|------|-----|---------------|-----------|---------|
| EN ROUTE | V12-280 | 1, 2 | | | | (US) |
| EN ROUTE | V272 | 1, 2 | | | | (US) |
| IAP | RNAV (GPS) RWY 17 | | | KBGD | BORGER | TX (US) |
| IAP | RNAV (GPS) RWY 35 | | | KBGD | BORGER | TX (US) |
| IAP | RNAV (GPS) RWY 17 | | | KT45 | PANHANDLE | TX (US) |

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 04/27/2017

REASON FOR REVISION:

1. NEW LAT-LONG: FIX MOVED 847.75 FT NE DUE TO FLT CHK RESULTS.
2. ADDED WP TO FIX TYPE.
3. FIX MAKE-UP FACILITY BEARINGS & DISTANCES UPDATED ACCORDINGLY.
4. FAC2 MRA INCREASED FROM 4800 TO 5000 IN FIX MAKE-UP FACILITIES SECTION.
5. ADDED FIX COORDINATE DETERMINATION REMARK.

DEVELOPED BY:

DATE: 01/04/2017

OFFICE: AJV-5431

NAME: MARK CIARLONE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: AMA APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: CUKAS

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 353022.83N/1012312.04W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 | S | | WP | 171.38 | 351.38 | R | 5 | 5100 6000 | 6 6 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|---------|----------------------|------------------------|-----------|---------------|
| 1 | 200 | WINDMILL (48-032681) | 352443.77N/1012524.38W | 3929 | 5D |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-------------------|-----|-----|---------------|--------|---------|
| IAP | RNAV (GPS) RWY 17 | | 1 | KBGD | BORGER | TX (US) |
| IAP | RNAV (GPS) RWY 35 | | 1 | KBGD | BORGER | TX (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/13/2018

REASON FOR REVISION:

1. FIX MOVED 8.8 FT WEST.
2. FIX MAKE-UP FACILITIES UPDATED - REMOVED KBGD R35.
3. CHANGED HOLDING PATTERN 1 RAD/CRS/BRG FROM 171.37 TO 171.38; CHANGED CRS INBOUND FROM 351.37 TO 351.38.
4. HOLDING PAT 1 OBSTRUCTION CHANGED FROM TOWER (48-011863) 3759 MSL TO WINDMILL (48-032681) 3929 MSL.
5. REMARK ADDED: PRECIPITOUS TERRAIN EVALUATION COMPLETED.
6. FIX USE UPDATED TO CORRECT FORMAT.

DEVELOPED BY:

DATE: 04/18/2018

OFFICE: AJV-5421

NAME: DEZ SILAGYI (DARREN HOOPER)

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: AMA APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: JISAM

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 355335.55N/1012400.47W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN | ALTITUDES MAX | TEMPLATES MIN | MAX |
|-----|-----|-------|------|-------------|----------------|------------------|------------------------|----------------|------------------|------------------|-----|
| 1 | N | | WP | 351.37 | 171.37 | R | 5 | 5000 | 6000 | 6 | 6 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1 | 200 | TOWER (48-010899) | 355044.97N/1012653.45W | 3807 | 2C |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-------------------|-----|-----|---------------|--------|---------|
| IAP | RNAV (GPS) RWY 17 | | 1 | KBGD | BORGER | TX (US) |
| IAP | RNAV (GPS) RWY 35 | | 1 | KBGD | BORGER | TX (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/13/2018

REASON FOR REVISION:

1. FIX MOVED 3.5 FT EAST.
2. FIX MAKE-UP FACILITIES UPDATED - REMOVED KBGD R17.
3. ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED.
4. FIX USE UPDATED TO CORRECT FORMAT.

DEVELOPED BY:

DATE: 04/18/2018

OFFICE: AJV-5421

NAME: DEZ SILAGYI (DARREN HOOPER)

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: AMA APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: PANHANDLE VORTAC **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 351406.22N/1014156.51W **TYPE:**

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 | PANHANDLE | PNH | VORTAC | H | | | | | | 45000 |

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| UPN | 230 | TOWER (48-002515) | 352229.00N/1015300.00W | 5051 | 5D |

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6100.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAGVAR = E08/2000.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|----------------------------|-----|-----|---------------|-------------------|---------|
| DP | WORTH | | | KGKY | ARLINGTON | TX (US) |
| DP | WORTH | | | KADS | DALLAS | TX (US) |
| DP | COYOTE | | | KDAL | DALLAS | TX (US) |
| DP | WORTH | | | KDAL | DALLAS | TX (US) |
| DP | WORTH | | | KRBD | DALLAS | TX (US) |
| DP | WORTH | | | KTKI | DALLAS | TX (US) |
| DP | COYOTE | | | KDFW | DALLAS-FORT WORTH | TX (US) |
| DP | WORTH | | | KDFW | DALLAS-FORT WORTH | TX (US) |
| DP | WORTH | | | KDTO | DENTON | TX (US) |
| DP | WORTH | | | KAFW | FORT WORTH | TX (US) |
| DP | WORTH | | | KFTW | FORT WORTH | TX (US) |
| DP | WORTH | | | KFWS | FORT WORTH | TX (US) |
| DP | WORTH | | | KNFW | FORT WORTH | TX (US) |
| DP | WORTH | | | KGPM | GRAND PRAIRIE | TX (US) |
| DP | WORTH | | | KLNC | LANCASTER | TX (US) |
| DP | WORTH | | | KHQZ | MESQUITE | TX (US) |
| EN ROUTE | J14 | | | | | (US) |
| EN ROUTE | J17 | | | | | (US) |
| EN ROUTE | J26 | | | | | (US) |
| EN ROUTE | J58 | | | | | (US) |
| EN ROUTE | J6 | | | | | (US) |
| EN ROUTE | J78 | | | | | (US) |
| EN ROUTE | Q130 | | | | | (US) |
| EN ROUTE | V114 | | | | | (US) |
| EN ROUTE | V12 | | | | | (US) |
| EN ROUTE | V140 | | | | | (US) |
| EN ROUTE | V280 | | | | | (US) |
| EN ROUTE | V304 | | | | | (US) |
| EN ROUTE | V402 | | | | | (US) |
| EN ROUTE | V440 | | | | | (US) |
| EN ROUTE | V81 | | | | | (US) |
| IAP | HI-VOR OR TACAN RWY 13 | | | KAMA | AMARILLO | TX (US) |
| IAP | HI-VOR OR TACAN RWY 22 | | | KAMA | AMARILLO | TX (US) |
| IAP | HI-VOR OR TACAN RWY 4 | | 1 | KAMA | AMARILLO | TX (US) |
| IAP | HI-VOR/DME OR TACAN RWY 31 | | | KAMA | AMARILLO | TX (US) |
| IAP | ILS OR LOC RWY 4 | | | KAMA | AMARILLO | TX (US) |
| IAP | LDA/DME RWY 22 | | | KAMA | AMARILLO | TX (US) |
| IAP | NDB RWY 4 | | | KAMA | AMARILLO | TX (US) |
| IAP | VOR RWY 13 | | | KAMA | AMARILLO | TX (US) |
| IAP | VOR/DME RWY 22 | | | KAMA | AMARILLO | TX (US) |
| IAP | VOR/DME RWY 31 | | | KAMA | AMARILLO | TX (US) |
| IAP | NDB-A | | | KTDW | AMARILLO | TX (US) |
| IAP | RNAV (GPS) RWY 35 | | | KTDW | AMARILLO | TX (US) |
| IAP | RNAV (GPS) RWY 35 | | | KBGD | BORGER | TX (US) |
| IAP | VOR/DME RWY 35 | | | KBGD | BORGER | TX (US) |
| IAP | RNAV (GPS) RWY 2 | | | KHRX | HEREFORD | TX (US) |
| IAP | RNAV (GPS) RWY 17 | | | KT45 | PANHANDLE | TX (US) |
| IAP | RNAV (GPS) RWY 35 | | | KT45 | PANHANDLE | TX (US) |
| IAP | VOR-A | | | KT45 | PANHANDLE | TX (US) |
| STAR | MOTZA | | | KGKY | ARLINGTON | TX (US) |
| STAR | MOTZA | | | KCPT | CLEBURNE | TX (US) |
| STAR | GREGS | | | KADS | DALLAS | TX (US) |
| STAR | GREGS | | | KDAL | DALLAS | TX (US) |
| STAR | GREGS | | | KRBD | DALLAS | TX (US) |
| STAR | GREGS | | | KTKI | DALLAS | TX (US) |
| STAR | BOWIE | | | KDFW | DALLAS-FORT WORTH | TX (US) |

| | | | | |
|------|-------|------|-----------------------|---------|
| STAR | MOTZA | KLUD | DECATUR | TX (US) |
| STAR | GREGS | KDTO | DENTON | TX (US) |
| STAR | GREGS | KF41 | ENNIS | TX (US) |
| STAR | MOTZA | K50F | FORT WORTH | TX (US) |
| STAR | MOTZA | KAFW | FORT WORTH | TX (US) |
| STAR | MOTZA | KFTW | FORT WORTH | TX (US) |
| STAR | MOTZA | KFWS | FORT WORTH | TX (US) |
| STAR | MOTZA | KNFW | FORT WORTH | TX (US) |
| STAR | MOTZA | KGPM | GRAND PRAIRIE | TX (US) |
| STAR | GREGS | KLNC | LANCASTER | TX (US) |
| STAR | GREGS | KHQZ | MESQUITE | TX (US) |
| STAR | GREGS | KJWY | MIDLOTHIAN/WAXAHACHIE | TX (US) |
| STAR | GREGS | KF46 | ROCKWALL | TX (US) |
| STAR | MOTZA | KWEA | WEATHERFORD | TX (US) |

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

1. KAMA FIX USE UPDATES: REMOVED DME FROM HI VOR/DME RWY 22, REMOVED "0" FROM NDB RWY 04.

DEVELOPED BY: **DATE:** 03/26/2018 **OFFICE:** AJV-5400 **NAME:** LONNIE EVERHART (WILLIAM BALL)

APPROVED BY: **DATE:** **OFFICE:** AJV-5400 **NAME:** LONNIE EVERHART

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: CEN
 ARTCC: ZAB
 ATC FACILITY: AMA APP CON
 OTHER: