

RADIO FIX AND HOLDING DATA RECORD

NAME: BORLAND NDB STATE: AK COUNTRY: US ICAO REGION CODE: PA
 LATITUDE/LONGITUDE: 551856.40N/1603106.22W 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	MRA FEET	MAA
1	BORLAND	HBT	NDB/DME	H						45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

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	S	HBT	NDB	164.00	344.00	R	1		3500	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	551651.00N/1603654.00W	1893	4E
1	310	AAO	551713.70N/1604309.50W	2483	6C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	NDB RWY 14	PASD	SAND POINT	AK (US)
1	BORLAND DP	PASD	SAND POINT	AK (US)
1	NDB RWY 32	PASD	SAND POINT	AK (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 REFERENCE MAGVAR: 11E, EPOCH YEAR 2020

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BORLAND DP		1	PASD	SAND POINT	AK (US)
EN ROUTE	G12					(US)
EN ROUTE	G2					(US)
EN ROUTE	J604					(US)
IAP	RNAV (GPS) RWY 26			PAOU	NELSON LAGOON	AK (US)
IAP	RNAV (GPS) RWY 8			PAOU	NELSON LAGOON	AK (US)
IAP	NDB RWY 14		1	PASD	SAND POINT	AK (US)
IAP	NDB RWY 32		1	PASD	SAND POINT	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

UPDATE HOLDING PATTERN 1, CHANGED INBOUND COURSE FROM 340.00 TO 344.00 FOR MAGVAR UPDATE AND LEG LENGTH TIME FROM 1 1/2 TO 1.
 UPDATE FIX USE, CHANGED NDB RWY 13 TO NDB RWY 14 AND NDB/DME RWY 31 TO NDB RWY 32.
 ADDED REFERENCE MAGVAR TO REMARKS
 CHANGED MAX HOLDING ALTITUDE FROM 17500 TO 6000 AND MAX PATTERN FROM 15 TO 5.
 ADDED CLIMB-IN-HOLD FOR NDB RWY 14.

DEVELOPED BY: DATE: 09/21/2017 OFFICE: AJV-5432 NAME: HERMAN ROGERS

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: WST
 ARTCC: ZAN
 ATC FACILITY:
 OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: CUBPA **STATE:** AK **COUNTRY:** US **ICAO REGION CODE:** PA

LATITUDE/LONGITUDE: 552925.10N/1600115.08W **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 NM	FAC FEET	MRA	MAA
1	BORLAND	HBT	NDB/DME	H	047.13	058.13	20.02	20.00		10000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HBT	NDB/DME	BRG-047	21	4100	17500

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	NE		WP	047.54	227.54	R		4	3100	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	553042.50N/1600254.43W	1548	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
EN ROUTE	G2	1				(US)
IAP	NDB RWY 14	1		PASD	SAND POINT	AK (US)
IAP	RNAV (GPS) RWY 32		1	PASD	SAND POINT	AK (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/29/2018

REASON FOR REVISION:

UPDATE FAC 1, CHANGED MAG/TRUE BRG FROM 043.11/058.11 TO 047.13/058.13 AND DME FROM 20.00 TO 20.02.
 UPDATE FIX USE, REMOVED RNAV (GPS) RWY 13 AND ADDED RNAV (GPS) RWY 32.
 ADDED HOLDING PATTERN 1 AND NOTES.
 ADDED ESV.

DEVELOPED BY: **DATE:** 09/22/2017 **OFFICE:** AJV-5432 **NAME:** HERMAN ROGERS
APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: WST
 ARTCC: ZAN
 ATC FACILITY:
 OTHER: CDB FSS

RADIO FIX AND HOLDING DATA RECORD

NAME: DUGAC

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 551852.49N/1610606.43W

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 NM	FAC FEET	MRA	MAA
1	BORLAND	HBT	NDB/DME	H	259.05	270.05	19.96	20.00		10000	17500

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SW		WP	227.86	047.86	R		4	5000	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	551106.00N/1612030.00W	1569	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	G12					
IAP	NDB RWY 14	1		PASD	SAND POINT	AK (US)
IAP	NDB RWY 32	1		PASD	SAND POINT	AK (US)
IAP	RNAV (GPS) RWY 14		1	PASD	SAND POINT	AK (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

UPDATED FAC 1, CHANGED MAG BRG FROM 255.07 TO 259.05, CHANGED DME FROM 20.00 TO 19.96, AND ADDED DIST FROM FAC..
DELETED FAC 2.
UPDATED FIX USE, CHANGED ALL REFERENCE FOR RWY 13/31 TO 14/32 AND REMOVED DME FROM NDB/DME RWY 32.
ADDED WP HOLDING PATTERN 1 AND ASSOCIATED NOTES.

DEVELOPED BY:

DATE: 09/25/2017

OFFICE: AJV-5432

NAME: HERMAN ROGERS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: ANC
ARTCC: ZAN
ATC FACILITY:
OTHER: CDB FSS

RADIO FIX AND HOLDING DATA RECORD

NAME: RAYMD

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 553553.52N/1601233.45W

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 NM	FAC FEET	MRA	MAA
1	BORLAND	HBT	NDB	H	020.74	031.74	20.01	20.00		10000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NE		WP	057.92	237.92	L		5	5100	10000	6	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	554246.50N/1601051.60W	4028	4A
1	310	AAO	554246.50N/1601051.60W	4028	4A

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RAYMD (RNAV)	PASD	SAND POINT	AK (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	RAYMD (RNAV)		1	PASD	SAND POINT	AK (US)
EN ROUTE	G12	1				(US)
IAP	NDB RWY 14	1		PASD	SAND POINT	AK (US)
IAP	NDB RWY 32	1		PASD	SAND POINT	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

UPDATE FAC 1, CHANGED MAG BRG/TRUE FROM 016.75/031.75 TO 020.74/031.74 AND DME FROM 20.00 TO 20.01.
UPDATE HOLDING PAT 1, CHANGED CRS INBOUND FROM 233.92 TO 237.92.
UPDATE FIX USE, CHANGED RWY NUMBERS FROM 13 TO 14 AND 31 TO 32 AND REMOVED DME FROM NDB/DME RWY 32.
UPDATE FIX USE, DELETED RNAV (GPS) RWY 14.

DEVELOPED BY: DATE: 09/22/2017

OFFICE: AJV-5432

NAME: HERMAN ROGERS

APPROVED BY: DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER: CDB FSS

RADIO FIX AND HOLDING DATA RECORD

NAME: SAFKO

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 554648.66N/1620207.95W

TYPE: WP, INT

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	FAC FEET	MRA	MAA
1	BORLAND	HBT	NDB	H	288.00	299.00		58.76		5000	17500
2	ELFEE	ELF	NDB	H	027.12	041.12		38.82		5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HBT	NDB	BRG-284	59	50	450

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BORLAND (FAC 1) AND ELFEE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	G10	1, 2				AK (US)
EN ROUTE	G8	1, 2				AK (US)
IAP	RNAV (GPS) RWY 15			PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 26			PACD	COLD BAY	AK (US)
IAP	NDB RWY 14	1, 2		PASD	SAND POINT	AK (US)
IAP	NDB RWY 32	1, 2		PASD	SAND POINT	AK (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

UPDATED FAC 1, CHANGED MAG BEARING FROM 284 TO 288 AND ADDED DME.

UPDATED FIX USE, CHANGED NDB 13 TO NDB 14 AND NDB/DME RWY 31 TO NDB RWY 32.

DEVELOPED BY:

DATE: 09/22/2017

OFFICE: AJV-5432

NAME: HERMAN ROGERS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER: CDB FSS