

RADIO FIX AND HOLDING DATA RECORD

NAME: AGAPE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 370831.25N/1215427.93W

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	MOUNTAIN VIEW	I-NUQ	LOC/DME	L	141.72	157.72	16.89	18.73		5200	5500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-NUQ	LOC/DME	R-142	19	5200	6200

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32R	1		KNUQ	MOUNTAIN VIEW	CA (US)
IAP	RNAV (GPS) RWY 32R			KNUQ	MOUNTAIN VIEW	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/20/2019

REASON FOR REVISION:

1. CHANGED I-NUQ FROM A LOC TO A LOC/DME IN FIX USE UNDER TYPE.
2. FIX MOVED 2.33 NM SE.
3. REFORMATTED FIX USE.
4. ADDED WP TO FIX TYPE OF ACTION.
5. REMOVED MOFFETT (NUQ) NDB FROM FIX MAKE-UP.
6. ADDED RNAV (GPS) RWY 32R TO FIX USE.
7. CHANGED FROM ILS OR LOC/DME RWY 32R TO ILS OR LOC RWY 32R IN FIX USE.
8. ADDED "1" TO THE ILS OR LOC RWY 32R UNDER FAC IN FIX USE.
9. ADDED DME DISTANCE AND DIST FROM FAC NM FOR THE MOUNTAIN VIEW (I-NUQ) LOC/DME.
10. ADDED ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W TO REMARKS.
11. MRA CHANGED FROM 4800 TO 5200.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: MIKE MELSSEN

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by
WARDELL HENNING

DISTRIBUTION:

NFDC
FPO: LAX
ARTCC: ZOA
ATC FACILITY: NORCAL APP, NUQ ATCT
OTHER: APRT MGR

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIKGA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 372356.09N/1220221.12W

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	MOUNTAIN VIEW	I-NUQ	LOC/DME	L	141.72	157.72	0.26	2.10		480	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32R			KNUQ	MOUNTAIN VIEW	CA (US)
IAP	RNAV (GPS) RWY 32R			KNUQ	MOUNTAIN VIEW	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/20/2019

REASON FOR REVISION:

ADDED "WP" TO FIX TYPE.
REFORMATTED FIX USE.
CHANGED FROM ILS OR LOC/DME RWY 32R TO ILS OR LOC RWY 32R IN FIX USE.
ADDED KNUQ RNAV (GPS) RWY 32R TO FIX USE.
REMOVED MOFFETT (NUQ) TACAN FROM FIX MAKE-UP.
MOUNTAIN VIEW (NUQ) CHANGED FROM A LOC TO A LOC/DME.
ADDED DME DISTANCE 0.26 UNDER FIX MAKE-UP.
ADDED DIST FROM FAC NM 2.10 TO FIX MAKE-UP.
ADDED ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W TO REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: MIKE MELSEN

APPROVED BY:

DATE:

OFFICE: AJV-A43

NAME: PATRICK MULQUEEN

Digitally signed by

SIGNATURE: **WARDELL HENNING**

Mar 28, 2019

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP, NUQ ATCT
OTHER: APRT MGR

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EBIYI

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 371830.56N/1215934.14W

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	MOUNTAIN VIEW	I-NUQ	LOC/DME	L	141.72	157.72	6.11	7.95	48326	2100	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

COORDINATES AT PFAF LOCATION 38382 FT FROM RWY 32R.
ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32R	1		KNUQ	MOUNTAIN VIEW	CA (US)
IAP	RNAV (GPS) RWY 32R			KNUQ	MOUNTAIN VIEW	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/20/2019

REASON FOR REVISION:

ADDED WP TO FIX TYPE OF ACTION.
FIX MOVED 0.07 NM SOUTH.
REMOVED MOFFETT (NUQ) TACAN FROM FIX MAKE-UP.
REFORMATTED FIX USE.
CHANGED FROM ILS OR LOC/DME RWY 32R TO ILS OR LOC RWY 32R IN FIX USE.
ADDED RNAV (GPS) RWY 32R TO FIX USE.
CHANGED FROM COORDINATES AT PFAF LOCATION 37767.39 FT FROM RWY 32R TO COORDINATES AT PFAF LOCATION 38382 FT FROM RWY 32R.
ADDED 6.11 DME TO FIX MAKE-UP.
ADDED 7.95 NM UNDER DIST FROM FAC NM AND 48326 UNDER DIST FROM FAC FEET IN FIX MAKE-UP.
ADDED ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W. TO REMARKS.
CHANGED MOUNTAIN VIEW (I-NUQ) FROM A LOC TO A LOC/DME IN FIX MAKE-UP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

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AJV-A432

NAME: MIKE MELSEN

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: PATRICK MULQUEEN

Digitally signed by

SIGNATURE: **WARDELL HENNING**

Mar 28, 2019

DISTRIBUTION:

NFDC
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ATC FACILITY: NORCAL APP, NUQ ATCT
OTHER: APRT MGR

QUALITY
18
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RADIO FIX AND HOLDING DATA RECORD

NAME: JULUD

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 371551.17N/1215812.54W

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	MOUNTAIN VIEW	I-NUQ	LOC/DME	L	141.72	157.72	8.98	10.82		3000	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32R	1		KNUQ	MOUNTAIN VIEW	CA (US)
IAP	RNAV (GPS) RWY 32R			KNUQ	MOUNTAIN VIEW	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/20/2019

REASON FOR REVISION:

ADDED WP TO FIX TYPE OF ACTION.
FIX MOVED .09 NM.
REFORMATTED FIX USE.
CHANGED FROM ILS OR LOC/DME RWY 32R TO ILS OR LOC RWY 32R IN FIX USE.
ADDED FAC 1 TO ILS OR LOC RWY 32R IN FIX USE.
ADDED KNUQ RNAV (GPS) RWY 32R TO FIX USE.
REMOVED MOFFETT (NUQ) TACAN FROM FIX MAKE-UP.
ADDED 8.98 DME AND 10.82 TO DIST FROM FAC NM IN FIX MAKE-UP.
ADDED ACTUAL DME COORDINATES: 372411.50N/1220225.17W TO REMARKS.
CHANGED MOUNTAIN VIEW (I-NUQ) FROM A LOC TO A LOC/DME IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: MIKE MELSEN

APPROVED BY:

DATE:

OFFICE: AJV-A430

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NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP, NUQ ATCT
OTHER: APRT MGR

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NUNLE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 372219.26N/1220131.38W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MOUNTAIN VIEW	I-NUQ	LOC/DME	L	141.72	157.72	2.00	3.84		680	4500

REMARKS:

ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32R	1		KNUQ	MOUNTAIN VIEW	CA (US)
IAP	RNAV (GPS) RWY 32R			KNUQ	MOUNTAIN VIEW	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/20/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: MIKE MELSEN

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by

WARDELL HENNING

Mar 28, 2019

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: NORCAL APP CON, NUQ ATCT

OTHER: AMGR



RADIO FIX AND HOLDING DATA RECORD

NAME: ORZOS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 371406.63N/1215719.08W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MOUNTAIN VIEW	I-NUQ	LOC/DME	L	141.72	157.72	10.86	12.70		3600	8000

REMARKS:

ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32R	1		KNUQ	MOUNTAIN VIEW	CA (US)
IAP	RNAV (GPS) RWY 32R			KNUQ	MOUNTAIN VIEW	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/20/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: MIKE MELSEN

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: PATRICK MULQUEEN

SIGNATURE:

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WARDELL HENNING

Mar 28, 2019

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: NORCAL APP CON, NUQ ATCT

OTHER: AMGR



RADIO FIX AND HOLDING DATA RECORD

NAME: RIROC

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 371146.49N/1215607.49W

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	MOUNTAIN VIEW	I-NUQ	LOC/DME	L	141.72	157.72	13.38	15.22		4400	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY	1		KNUQ	MOUNTAIN VIEW	CA (US)
IAP	RNAV (GPS) RWY 32R			KNUQ	MOUNTAIN VIEW	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/20/2019

REASON FOR REVISION:

ADDED WP TO FIX TYPE OF ACTION.
CHANGED MOFFETT (NUQ) TACAN DME DISTANCE FROM 14.28 TO 15.31.
FIX MOVED 1.03 NM SOUTHEAST.
ADDED RNAV (GPS) RWY 32R TO FIX USE.
REFORMATTED FIX USE.
CHANGED FROM ILS OR LOC/DME RWY 32R TO ILS OR LOC RWY 32R IN FIX USE.
ADDED ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W TO REMARKS.
REMOVED MOFFETT (NUQ) TACAN FROM FIX MAKE-UP.
CHANGED MOUNTAIN VIEW (I-NUQ) FROM A LOC TO A LOC/DME IN FIX MAKE-UP.
MRA CHANGED FROM 4100 TO 4400.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: MIKE MELSEN

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by
WARDELL HENNING

Mar 28, 2019

DISTRIBUTION:

NFDC
FPO: LAX
ARTCC: ZOA
ATC FACILITY: NORCAL APP, NUQ ATCT
OTHER: APRT MGR

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZAPEP

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 370508.78N/1215244.77W

TYPE: WP, 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	FAC FEET	MRA	MAA
1	MOUNTAIN VIEW	I-NUQ	LOC/DME	L	141.72	157.72	20.53	22.37		5500	6500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-NUQ	LOC/DME	R-142	23	5500	6500

REMARKS:

ACTUAL I-NUQ DME COORDINATES: 372411.50N/1220225.17W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32R	1		KNUQ	MOUNTAIN VIEW	CA (US)
IAP	RNAV (GPS) RWY 32R			KNUQ	MOUNTAIN VIEW	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/20/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: MIKE MELSEN

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: PATRICK MULQUEEN

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WARDELL HENNING

Mar 28, 2019

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: NORCAL APP, NUQ ATCT

OTHER: AMGR

QUALITY
18
CHECKED