

<b>RNAV - STANDARD</b> <b>INSTRUMENT APPROACH PROCEDURE</b> <b>TITLE 14 CFR PART 97.33</b>				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
<b>US DEPARTMENT OF TRANSPORTATION</b> <b>FEDERAL AVIATION ADMINISTRATION</b>																	
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>							
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW29L  CLIMB TO 2000 DIRECT WOSIM AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 112.23 INBOUND. CHART FAS OBST: 505 TOWER 364530N/1194223W. DISTANCE TO THLD FROM 250 HAT: 0.62 NM. WAAS CHANNEL # 50530 REFERENCE PATH ID: W29B CHART CIRCLING ICON. LTP HAE: 68.9 M							
FRA VORTAC		OCAVI (TF) (FB) (RNP 2.00)			159.22 / 18.00			4900									
OCAVI		IPUJE (TF) (FO) (RNP 2.00)			161.11 / 8.52			2700									
FRAME		IPUJE (TF) (FO) (RNP 2.00)			053.09 / 7.76			2700									
ALTTA (IAF)		IPUJE (NOPT) (TF) (FB) (RNP 1.00)			292.07 / 11.79			2600									
LATON (IAF)		IPUJE (NOPT) (TF) (FB) (RNP 1.00)			350.91 / 17.36			2600									
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD E IPUJE, LT, 292.46 INBOUND, 2600 FT. IN LIEU OF PT (IAF)																	
3. FAC: 292.40 FAF: ZUDAB DIST FAF TO MAP: 4.45 THLD: 4.45																	
4. MIN. ALT: IPUJE 2600, ZUDAB 1800, CUMUX/1.40 NM TO RW29L 820*																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 1800 GS ALT AT: ZUDAB 1800 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR																	
8. MSA FROM: RW29L 7800										MAG VAR: 13E EPOCH YEAR: 2020							
<b>MINIMUMS</b>																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	581	3/4	250	581	3/4	250	581	3/4	250	581	3/4	250					
LNAV/VNAV DA	667	1 1/8	336	667	1 1/8	336	667	1 1/8	336	667	1 1/8	336					
LNAV MDA	760	1	429	760	1	429	760	1 1/4	429	760	1 1/4	429					
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FRA VORTAC ON V230 NORTHEAST BOUND. *LNAV ONLY CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.																	
CITY AND STATE				ELEVATION: 336 TDZE: 331				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
FRESNO, CA				AIRPORT NAME:								RNAV (GPS) RWY 29L, AMDT 2B				AMDT: 2A	
				FRESNO YOSEMITE INTL								7 DECEMBER 2017				DATED 07/24/2014	

QUALITY  
 25  
 CHECKED

**US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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**TERMINAL ROUTES, (CONT.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
IPUJE (IF/IAF)	ZUDAB (TF) (FB) (RNP 1.00)	292.46 / 6.40	1800
ZUDAB (FAF)	CUMUX/1.40 NM TO RW29L (TF) (FB) (RNP 0.30)	292.40 / 3.05	
CUMUX/1.40 NM TO RW29L	RW29L (MAP) (TF) (FO) (RNP 0.30)	292.40 / 1.40	
RW29L (MAP)	581 MSL (CA)	292.40	
581 MSL	WOSIM (DF) (FO) (RNP 1.00)		2000

QUALITY  
25  
CHECKED

CITY AND STATE  
**FRESNO, CA**

**ELEVATION: 336 TDZE: 331**  
 AIRPORT NAME:  
**FRESNO YOSEMITE INTL**

FACILITY  
IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) RWY 29L, AMDT 2B**  
 7 DECEMBER 2017

SUP:  
 AMDT: **2A**  
 DATED: **07/24/2014**

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFAT
RUNWAY	RW29L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29B
LTP/FTP LATITUDE	364613.2055N
LTP/FTP LONGITUDE	1194236.4420W
LTP/FTP ELLIPSOIDAL HEIGHT	+00689
FPAP LATITUDE	364704.8300N
FPAP LONGITUDE	1194406.9000W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 7C31EB60

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01006
FPAP ORTHOMETRIC HEIGHT	+01006

QUALITY  
25  
CHECKED

CITY AND STATE  FRESNO, CA	ELEVATION: 336 AIRPORT NAME:  FRESNO YOSEMITE INTL	TDZE: 331  FRESNO YOSEMITE INTL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 29L, AMDT 2B  7 DECEMBER 2017	SUP:
					AMDT: 2A
					DATED: 07/24/2014