

FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name COMIX (RNAV)	Number TWO	STAR Computer Code COMIX.COMIX2	Superseded Number ONE	Dated 03/02/2017	Effective Date 24MAY2018
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TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
HUULK	HUULK.COMIX2	HUULK	HUULK						
			DECEA	138.40	51.69	15000	7600		
			JOEKR	140.03	20.48	15000	3200		
			GAMBT	139.27	07.33	15000	3200		
			LEJEN	127.08	15.29	15000	2400	BETWEEN 15000 AND FL190	
			COMIX	127.46	09.09	12000	2300	BETWEEN 12000 AND 15000	
LOS ANGELES	LAX.COMIX2	LAX VORTAC	LAX VORTAC						
			MRVEL	121.75	13.80	15000	3000		
			SPYDE	121.29	20.04	15000	2600		
			GAMBT	124.78	09.18	15000	2400		
			LEJEN	127.08	15.29	15000	2400	BETWEEN 15000 AND FL190	
			COMIX	127.46	09.09	12000	2300	BETWEEN 12000 AND 15000	
SANTA CATALINA	SXC.COMIX2	SXC VORTAC	SXC VORTAC						BETWEEN FL250 AND FL290
			SLAER	088.00	11.34	15000	4300		
			LEJEN	089.52	30.38	15000	3300	BETWEEN 15000 AND FL190	
			COMIX	127.46	09.09	12000	2300	BETWEEN 12000 AND 15000	

ARRIVAL ROUTE DESCRIPTION:

FROM COMIX ON TRACK 133.93/6.36 TO FLSHH, THEN ON TRACK 133.73/9.69 TO CROSS LNTRN AT OR ABOVE 9000 AND AT 230 KIAS, THEN ON TRACK 133.93/7.79 TO CROSS XMANS AT OR ABOVE 7000, THEN ON TRACK 093.75/7.72 TO CROSS KLOMN AT 6000 AND AT 210 KIAS, THEN ON TRACK 103.74/4.03 TO CROSS NADDO AT 6000, THEN ON HEADING 095.00 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

- NOTE: RADAR REQUIRED
- NOTE: RNAV 1
- NOTE: DME/DME/IRU OR GPS REQUIRED
- NOTE: TURBOJET AND TURBOPROP AIRCRAFT ONLY

FIXES AND/OR HOLDING PATTERNS:

- CHART HOLDING AT MRVEL: HOLD NW, LT, 121.75 INBOUND, 10 NM LEGS.
- CHART HOLDING AT SLAER: HOLD W, LT, 088.00 INBOUND, 10 NM LEGS.



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
COMIX (RNAV)	TWO	COMIX.COMIX2	ONE	03/02/2017	24MAY2018

COMMUNICATIONS:

SOCAL APP CON
 ATIS

AIRPORTS SERVED:

SAN DIEGO INTL, SAN DIEGO, CA (KSAN)

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
 REFERENCE MAGNETIC VARIATION = KSAN 11/2020
 DO NOT CHART MOCAS

FLIGHT INSPECTED BY:

CHARLES D CUNNINGHAM	FICO	11/20/2017
Name	Organization	Date

Digitally signed by

BEV L BORDY

Oct 13, 2017 Signature

DEVELOPED BY:

Robert E. Henry - FAA Lead Jose Gonzalez - NATCA Co-Lead	Southern California Metroplex	04/14/2017
Name	Organization	Date

Digitally signed by

BEV L BORDY

Oct 13, 2017 Signature

APPROVED BY:

MARLON J. ROBINSON, MANAGER	AJV-5440	
Name	Organization	Date

Digitally signed by

BEV L BORDY

Oct 13, 2017 Signature

CHANGES:

1. MOVED LEJEN WP 1.00 NM SOUTH.
2. MOVED COMIX WP 301 FT SOUTH.
3. INCREASED ALTITUDE RESTRICTION AT LNTRN FROM AT OR ABOVE 8000 TO AT OR ABOVE 9000.
4. LOWERED MEA'S: DECEA, JOEKR, GAMBT, MRVEL, SPYDE, SLAER FROM 17000 TO 15000.
5. ADDED HOLDING AT MRVEL: HOLD NW, LT, 121.75 INBOUND, 10 NM LEGS.
6. ADDED HOLDING AT SLAER: HOLD W, LT, 088.00 INBOUND, 10 NM LEGS.
7. REMOVED MEA'S/MOCA'S FROM COMMON ROUTE.



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COMIX (RNAV)	TWO	COMIX.COMIX2	ONE	03/02/2017	24MAY2018

REASONS:

1. OPERATIONAL REQUIREMENT.
2. TO COMPLY WITH DG CRITERIA AND ELIMINATE APPROVAL LETTER FOR DG.
3. METROPLEX TEAM LEGAL ACTION MITIGATION REQUEST.
4. CORRECTED MEA'S TO MATCH MINIMUM RESTRICTION AT LEJEN.
- 5, 6. ATC REQUEST - STANDARDIZE HOLDING DURING HIGH VOLUME PERIODS.
7. IAW 8260.3C, NO LONGER REQUIRED.

11/03/2018: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/13/2017

1. MOVED COMIX 301 FT SE, CHANGED ALL REFERENCE OF COMIX LAT/LONG FROM 330817.00N-1172904.00W TO 330814.77N-1172901.66W.
2. CHANGED IN ALL TRANSITION ROUTES AND EN ROUTE TRANSITIONS DIST LEJEN-COMIX FROM 09.04 TO 09.09.
3. CHANGED AT OR ABOVE ALTITUDE AT LNTRN FROM 8000 TO 9000.
4. CHANGED IN COMMON ROUTE: COMIX-FLSHH TRACK/DIS FROM 133.88 (144.88T)/06.40 TO 133.93 (144.93T)/06.36.



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name COMIX (RNAV)	Number TWO	STAR Computer Code COMIX.COMIX2	Superseded Number ONE	Dated 03/02/2017	Effective Date 24MAY2018
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
HUULK	343527.30N / 1183611.39W	Y		IF					HUULK.COMIX2
DECEA	335049.00N / 1180436.00W	Y	FB	TF	149.40	51.69			
JOEKR	333251.45N / 1175243.94W	Y	FB	TF	151.03	20.48			
GAMBT	332628.52N / 1174823.14W	Y	FB	TF	150.27	07.33			
LEJEN.	331504.14N / 1173612.49W	Y	FB	TF	138.08	15.29	15000BFL190		
COMIX	330814.77N / 1172901.66W	Y	FB	TF	138.46	09.09	12000B15000		

En Route Transition									
LAX VORTAC	335559.33N / 1182555.24W	Y		IF					LAX.COMIX2
MRVEL	334635.77N / 1181346.05W	Y	FB	TF	132.75	13.80			
SPYDE	333304.00N / 1175602.00W	Y	FB	TF	132.29	20.04			
GAMBT	332628.52N / 1174823.14W	Y	FB	TF	135.78	09.18			
LEJEN.	331504.14N / 1173612.49W	Y	FB	TF	138.08	15.29	15000BFL190		
COMIX	330814.77N / 1172901.66W	Y	FB	TF	138.46	09.09	12000B15000		

En Route Transition									
SXC VORTAC	332230.20N / 1182511.68W	Y		IF			FL250BFL290		SXC.COMIX2
SLAER	332042.85N / 1181149.83W	Y	FB	TF	099.00	11.34			
LEJEN.	331504.14N / 1173612.49W	Y	FB	TF	100.52	30.38	15000BFL190		
COMIX	330814.77N / 1172901.66W	Y	FB	TF	138.46	09.09	12000B15000		

Common Route									
COMIX	330814.77N / 1172901.66W	Y		IF			12000B15000		COMIX.COMIX2
FLSHH	330302.00N / 1172441.00W	Y	FB	TF	144.93	06.36			
LNTRN	325506.00N / 1171802.00W	Y	FB	TF	144.73	09.69	AT/ABOVE 9000	AT 230K	
XMANS	324842.48N / 1171243.31W	Y	FB	TF	144.93	07.79	AT/ABOVE 7000		
KLOMN	324643.94N / 1170351.83W	Y	FB	TF	104.75	07.72	AT 6000	AT 210K	
NADDO	324502.50N / 1165931.47W	Y	FO	TF	114.74	04.03	AT 6000		
KSAN				VM	106.00				

