

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
KIIS	KIIS.JAGGR2	KIIS	KIIS DYLLN BOWEE JAGGR	294.44/42.48 293.97/29.97 293.63/16.09	FL210 FL210 FL180			AT/ABOVE FL300, AT/BELOW FL340
OATHE	OATHE.JAGGR2	OATHE	OATHE BOWEE JAGGR	261.14/44.69 293.63/16.09	FL210 FL180			AT/ABOVE FL300, AT/BELOW FL340

(2) Arrival Route Description: FROM JAGGR ON TRACK 293.43/8.00 TO CROSS LYNKN AT/ABOVE FL270 AT 280KTS (MEA 16000), THENCE AS DEPICTED TO SISEE, THEN ON TRACK 353.43. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

Continued on block 16...

(3) Procedural Data Notes:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: TURBOJET AIRCRAFT ONLY. NOTE: EXPECT RUNWAY ASSIGNMENT FROM DENVER TRACON UPON INITIAL CONTACT. NOTE: CORRESPONDING RNAV STAR IS PURRL. EXPECT THE PURRL WHEN DENVER IS LANDING NORTH. NOTE: LANDING VANCE BRAND AIRPORT: EXPECT RADAR VECTORS TO RNAV (GPS) RWY29 APPROACH.

(4) Fixes and/or Holding Patterns: CHART HOLDING AT DYLLN (HOLD SE, RT, 294.44 INBOUND, 10 NM LEGS); CHART HOLDING AT JAGGR (HOLD SE, RT, 293.63 INBOUND, 10 NM LEGS); CHART HOLDING AT CLPTN (HOLD SE, RT, 293.38 INBOUND, 10 NM LEGS); CHART HOLDING AT OATHE (HOLD E, RT, 261.24 INBOUND, 10 NM LEGS); CHART HOLDING AT BOWEE (HOLD E, RT, 261.24 INBOUND, 10 NM LEGS).

(5) Communications: DEN APP CON, DEN ATIS, LMO CTAF

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
JAGGR RNAV	TWO	JAGGR.JAGGR2	ONE	15 NOV 2012	27 JUN 2013

(12) Airports Served					
Airport Name DENVER INTL		City/State DENVER, CO			
Airport Name VANCE BRAND		City/State LONGMONT, CO			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
(13) Lost Communications Procedure: LANDING DEN INTL: IN THE EVENT OF LOST COMMUNICATIONS PRIOR TO RUNWAY ASSIGNMENT, EXECUTE THE ILS RWY 17R APPROACH. LANDING VANCE BRAND: IN THE EVENT OF LOST COMMUNICATIONS PRIOR TO RUNWAY ASSIGNMENT, EXECUTE THE RNAV (GPS) RWY 29 APPROACH.					
(14) Remarks:					
(15) Additional Flight Data: DME/DME ASSESSMENT: SAT (RNP 2.0). REFERENCE MAGNETIC VARIATION = KDEN 8E/2015 CHART: VANCE BRAND AIRPORT. CHART: 280 KTS AT LYNKN, CHART: 280 KTS AT CLPTN, CHART: 250 KTS AT DANDD, CHART: 250 KTS AT HARUM, CHART: 210 KTS AT QWIKI.					
(6) Arrival Name JAGGR RNAV	(7) Number TWO	(8) STAR Computer Code JAGGR.JAGGR2	(9) Superseded Nr. ONE	(10) Dated 15 NOV 2012	(11) Effective Date 27 JUN 2013

(16) Continuation:

(2) Arrival Route Description:
(BLOCK 2 DETAILED ARRIVAL ROUTE DESCRIPTION FOR CHARTING)

FROM JAGGR ON TRACK 293.43/8.00 TO CROSS LYNKN AT/ABOVE FL270 AND AT 280 KTS (MEA 16000), THEN ON TRACK 293.38/27.97 TO CROSS CLPTN AT/ABOVE FL230 AND AT/BELOW FL270 AND AT 280 KTS (MEA 16000), THEN ON TRACK 292.77/13.00 TO CROSS DANDD AT/ABOVE FL200 AND AT/BELOW FL220 AND AT 250 KTS (MEA 16000), THEN ON TRACK 300.11/10.00 TO BAAND (MEA 15000), THEN ON TRACK 299.80/5.20 TO CROSS HASHE AT/ABOVE 15000 AND AT/BELOW 17000 (MEA 15000), THEN ON TRACK 299.65/11.76 TO CROSS HARUM AT/ABOVE 13000 AND AT 250 KTS (MEA 13000), THEN ON TRACK 299.91/7.39 TO CROSS JAAAM AT/ABOVE 13000 AND AT/BELOW 14000 (MEA 13000), THEN ON TRACK 352.82/5.25 TO CROSS OPREE AT/ABOVE 11000 AND AT/BELOW 12000 (MEA 11000), THEN ON TRACK 352.28/5.77 TO CROSS QWIKI AT 11000 AND AT 210 KTS (MEA 11000), THEN ON TRACK 353.43/8.67 TO ROOOL (MEA 9000), THEN ON TRACK 358.45/8.75 TO SISEE (MEA 8000), THEN ON TRACK 353.43.

(17) Changes: 1. DELETED ALTITUDE RESTRICTION AT ROOOL. 2. AMENDED COMMON ROUTE TO START AT JAGGR. 3. TRUNCATED OATHE AND KIISS TRANSITIONS TO END AT JAGGR.

(18) Reasons for Changes: 1. ATC REQUEST. 2-3. NEEDED TO COMPLY WITH NAMING CONVENTION CRITERIA.

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US Department of Transportation Federal Aviation Administration				RNAV STAR (Data Record)					
(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
En Route Transition									
KIISS	381136.34N / 1012636.25W	Y		IF					KIISS.JAGGR2
DYLLN	383416.08N / 1021218.74W	Y	FB	TF	302.44	42.48			
BOWEE	385004.51N / 1024450.92W	Y	FB	TF	301.97	29.97			
JAGGR	385829.82N / 1030224.74W	Y	FB	TF	301.63	16.09	+FL300, -FL340		
En Route Transition									
OATHE	385059.03N / 1014739.33W	Y		IF					OATHE.JAGGR2
BOWEE	385004.51N / 1024450.92W	Y	FB	TF	269.14	44.69			
JAGGR	385829.82N / 1030224.74W	Y	FB	TF	301.63	16.09	+FL300, -FL340		
Common Route									
JAGGR	385829.82N / 1030224.74W	Y		IF			+FL300, -FL340		JAGGR.JAGGR2
LYNKN	390240.14N / 1031110.79W	Y	FB	TF	301.43	08.00	+FL270	280K	
CLPTN	391710.87N / 1034156.10W	Y	FB	TF	301.38	27.97	+FL230, -FL270	280K	
DANDD	392349.54N / 1035620.88W	Y	FB	TF	300.77	13.00	+FL200, -FL220	250K	
(11) Arrival Name JAGGR RNAV	(12) Number TWO	(13) STAR Computer Code JAGGR.JAGGR2	(14) Superseded Nr. ONE	(15) Dated 15 NOV 2012	(16) Effective Date 27 JUN 2013				

US Department of Transportation Federal Aviation Administration					RNAV STAR (Data Record)						
BAAND	392959.57N / 1040630.51W	Y	FB	TF	308.11	10.00					
HASHE	393310.97N / 1041149.48W	Y	FB	TF	307.80	05.20	+15000, -17000				
HARUM	394021.87N / 1042353.25W	Y	FB	TF	307.65	11.76	+13000	250K			
JAAAM	394454.15N / 1043126.56W	Y	FB	TF	307.91	07.39	+13000, -14000				
OPREE	395009.15N / 1043120.74W	Y	FB	TF	000.82	05.25	+11000, -12000				
QWIKE	395555.43N / 1043118.56W	Y	FB	TF	000.28	05.77	11000	210K			
ROOOL	400435.69N / 1043101.62W	Y	FB	TF	001.43	08.67					
SISEE	401317.74N / 1042944.67W	Y	FO	TF	006.45	08.75					
KDEN				FM	001.43						
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STAR (Data Record)

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ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	KIISS	KIISS	010		IF		FB					
	KIISS	DYLLN	020		TF		FB	1.0				
	KIISS	BOWEE	030		TF		FB	1.0				
	KIISS	JAGGR	040		TF		FB	1.0			BT FL340FL300	
	OATHE	OATHE	010		IF		FB					
	OATHE	BOWEE	020		TF		FB	1.0				
	OATHE	JAGGR	030		TF		FB	1.0			BT FL340FL300	
	ALL	JAGGR	010		IF		FB				BT FL340FL300	
	ALL	LYNKN	020		TF		FB	1.0			AA FL270	AT 280
	ALL	CLPTN	030		TF		FB	1.0			BT FL270FL230	AT 280
	ALL	DANDD	040		TF		FB	1.0			BT FL220FL200	AT 250
	ALL	BAAND	050		TF		FB	1.0				
	ALL	HASHE	060		TF		FB	1.0			BT 1700015000	
	ALL	HARUM	070		TF		FB	1.0			AA 13000	AT 250
	ALL	JAAAM	080		TF		FB	1.0			BT 1400013000	
	ALL	OPREE	090		TF		FB	1.0			BT 1200011000	
	ALL	QWIKE	100		TF		FB	1.0			AT 11000	AT 210
	ALL	ROOOL	110		TF		FB	1.0				
	ALL	SISEE	120		TF		FO	1.0				
	ALL	SISEE	130		FM		FB		353.4()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	BAAND	N392959.57	W1040630.51	N3929.993	W10406.509
	BOWEE	N385004.51	W1024450.92	N3850.075	W10244.849
	CLPTN	N391710.87	W1034156.10	N3917.181	W10341.935
	DANDD	N392349.54	W1035620.88	N3923.826	W10356.348
	DYLLN	N383416.08	W1021218.74	N3834.268	W10212.312
	HARUM	N394021.87	W1042353.25	N3940.365	W10423.888
	HASHE	N393310.97	W1041149.48	N3933.183	W10411.825
	JAAAM	N394454.15	W1043126.56	N3944.903	W10431.443
	JAGGR	N385829.82	W1030224.74	N3858.497	W10302.412
	KIISS	N381136.34	W1012636.25	N3811.606	W10126.604
	LYNKN	N390240.14	W1031110.79	N3902.669	W10311.180
	OATHE	N385059.03	W1014739.33	N3850.984	W10147.656
	OPREE	N395009.15	W1043120.74	N3950.153	W10431.346
	QWIKE	N395555.43	W1043118.56	N3955.924	W10431.309

(11)
Arrival Name
JAGGR RNAV

(12)
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(13)
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ROOOL	N400435.69	W1043101.62	N4004.595	W10431.027
SISSE	N401317.74	W1042944.67	N4013.296	W10429.745
RW07	N395027.40	W1044335.96	N3950.457	W10443.599
RW08	N395239.20	W1043944.03	N3952.653	W10439.734
RW16L	N395349.33	W1044112.50	N3953.822	W10441.208
RW16R	N395344.87	W1044145.90	N3953.748	W10441.765
RW17L	N395153.83	W1043828.70	N3951.897	W10438.478
RW17R	N395140.48	W1043936.56	N3951.675	W10439.609
RW25	N395026.37	W1044102.17	N3950.440	W10441.036
RW26	N395238.08	W1043710.15	N3952.635	W10437.169
RW34L	N395106.79	W1044147.72	N3951.113	W10441.795
RW34R	N395150.77	W1044113.88	N3951.846	W10441.231
RW35L	N394941.93	W1043937.98	N3949.699	W10439.633
RW35R	N394955.27	W1043830.16	N3949.921	W10438.503

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW07	05350	55
RW08	05354	52
RW16L	05350	60
RW16R	05322	55
RW17L	05328	48
RW17R	05378	60
RW25	05355	55
RW26	05294	55
RW34L	05327	50
RW34R	05354	59
RW35L	05434	57
RW35R	05370	59

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	KIISS	DYLLN	020		TF		FB	1.0				
	KIISS	BOWEE	030		TF		FB	1.0				
	KIISS	JAGGR	040		TF		FB	1.0			BT FL340FL300	
	OATHE	OATHE	010		IF		FB					
	OATHE	BOWEE	020		TF		FB	1.0				
	OATHE	JAGGR	030		TF		FB	1.0			BT FL340FL300	
	ALL	JAGGR	010		IF		FB				BT FL340FL300	
	ALL	LYNKN	020		TF		FB	1.0			AA FL270	AT 280
	ALL	CLPTN	030		TF		FB	1.0			BT FL270FL230	AT 280
	ALL	DANDD	040		TF		FB	1.0			BT FL220FL200	AT 250
	ALL	BAAND	050		TF		FB	1.0				
	ALL	HASHE	060		TF		FB	1.0			BT 1700015000	
	ALL	HARUM	070		TF		FB	1.0			AA 13000	AT 250
	ALL	JAAAM	080		TF		FB	1.0			BT 1400013000	
	ALL	OPREE	090		TF		FB	1.0			BT 1200011000	
	ALL	QWIKE	100		TF		FB	1.0			AT 11000	AT 210
	ALL	ROOOL	110		TF		FB	1.0				
	ALL	SISEE	120		TF		FO	1.0				
	ALL	SISEE	130		FM		FB		353.4()			

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SISEE	N401317.74	W1042944.67	N4013.296	W10429.745
RW11	N401004.59	W1051015.10	N4010.077	W10510.252
RW29	N400939.02	W1050923.07	N4009.650	W10509.385

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW11	05055	24
RW29	05031	37

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