

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> US Department of Transportation Federal Aviation Administration </div> <div style="text-align: center; flex-grow: 1;"> <h2 style="margin: 0;">STAR - Standard Terminal Arrival</h2> </div> <div style="text-align: right; font-size: 0.8em;"> 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 </div> </div>								
(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
BROMA	BROMA.CCASH1	BROMA	BROMA	084.56/14.20	5000	4500		
RUSTS	RUSTS.CCASH1	RUSTS	GHOST					
			RUSTS	083.07/34.57	7000	4500		
			BROMA	084.56/14.20	5000	4500		
			GHOST					
(2) Arrival Route Description: FROM GHOST ON TRACK 081.56/10.25 TO CCASH (MEA 3100). LANDING OUN/TIK: FROM CCASH ON TRACK 081.34/5.09 TO FALAB (MEA 3000), THEN ON TRACK 081.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE. LANDING PWA RW17L: FROM CCASH ON TRACK 081.35/9.37 TO DIGHT (MEA 3000), THEN ON TRACK 001.07/13.29 TO KOLPE (MEA 2700), THEN ON TRACK 354.83/4.88 TO HEDIP (MEA 2600), THEN ON TRACK 355.00. 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.								
(4) Fixes and/or Holding Patterns:								
(5) Communications: OKC APP CON, PWA ATIS, TIK ATIS, OUN AWOS-3.								
(6) Arrival Name CCASH (RNAV)	(7) Number ONE	(8) STAR Computer Code GHOST.CCASH1	(9) Superseded Nr. NONE	(10) Dated	(11) Effective Date <div style="text-align: center; font-weight: bold; font-size: 1.2em;">24 JULY 2014</div>			

(12) Airports Served					
Airport Name	WILEY POST AIRPORT		City/State	OKLAHOMA CITY, OK	
Airport Name	TINKER AIR FORCE BASE		City/State	OKLAHOMA CITY, OK	
Airport Name	UNIVERSITY OF OKLAHOMA WESTHEIMER AIRPORT		City/State	NORMAN, OK	
Airport Name			City/State		
Airport Name			City/State		
Airport Name			City/State		
(13) Lost Communications Procedure:					
(14) Remarks:					
(15) Additional Flight Data: DME/DME ASSESSMENT: SAT (RNP 2.0). REFERENCE MAGNETIC VARIATION = KPWA 05E/2010 					
(6) Arrival Name CCASH (RNAV)	(7) Number ONE	(8) STAR Computer Code GHOST.CCASH1	(9) Superseded Nr. NONE	(10) Dated	(11) Effective Date 24 JULY 2014

(16) Continuation:**(2) Arrival Route Description:**

LANDING PWA RW35R: FROM CCASH ON TRACK 081.34/5.09 TO FALAB (MEA 3000), THEN ON TRACK 081.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

(17) Changes:**(18) Reasons for Changes:**

3/27/2014: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 5-16-2013.
CHANGED STAR COMPUTER CODE FROM CCASH.CCASH1 TO GHOST.CCASH1

Developed By	Name (Typed and Signed), Title and Organization			DATE	
	ANDY BANKS TRAFFIC MANAGER, PORT WORTH ARTS			5-16-2013	
Approved				1 5.15.14	
(6) Arrival Name CCASH (RNAV)	(7) Number ONE	(8) STAR Computer Code GHOST.CCASH1	(9) Superseded Nr. NONE	(10) Dated	(11) Effective Date 24 JULY 2014

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										
BROMA	351515.80N / 0983010.04W	Y		IF					BROMA.CCASH1	
GHOST	351521.09N / 0981249.73W	Y	FB	TF	089.56	14.20				
En Route Transition										
RUSTS	351413.01N / 0991221.47W	Y		IF					RUSTS.CCASH1	
BROMA	351515.80N / 0983010.04W	Y	FB	TF	088.07	34.57				
GHOST	351521.09N / 0981249.73W	Y	FB	TF	089.56	14.20				
Common Route										
GHOST	351521.09N / 0981249.73W	Y		IF					GHOST.CCASH1	
CCASH	351557.40N / 0980020.23W	Y	FB	TF	086.56	10.25				
Runway Transition										
CCASH	351557.40N / 0980020.23W	Y		IF						
FALAB	351616.76N / 0975407.93W	Y	FO	TF	086.34	05.09				
(11) Arrival Name CCASH (RNAV)		(12) Number ONE		(13) STAR Computer Code GHOST.CCASH1		(14) Superseded Nr. NONE		(15) Dated		(16) Effective Date 24 JULY 2014

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	
KOUN:ALL RWYS				FM	086.00					
Runway Transition										
CCASH	351557.40N / 0980020.23W	Y		IF						
FALAB	351616.76N / 0975407.93W	Y	FO	TF	086.34	05.09				
KTIK:ALL RWYS				FM	086.00					
Runway Transition										
CCASH	351557.40N / 0980020.23W	Y		IF						
DIGHT	351632.73N / 0974854.79W	Y	FB	TF	086.35	09.37				
KOLPE	352947.03N / 0974711.54W	Y	FB	TF	006.07	13.29				
HEDIP	353440.31N / 0974712.59W	Y	FO	TF	359.83	04.88				
KPWA:PWA RW17L				FM	360.00					
Runway Transition										
CCASH	351557.40N / 0980020.23W	Y		IF						
(11) Arrival Name CCASH (RNAV)		(12) Number ONE		(13) STAR Computer Code GHOST.CCASH1			(14) Superseded Nr. NONE		(15) Dated	(16) Effective Date 24 JULY 2014

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STAR (Data Record)

QUALITY
2
CHECKED

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BROMA	BROMA	010		IF		FB					
	BROMA	GHOST	020		TF		FB	1.0				
	RUSTS	RUSTS	010		IF		FB					
	RUSTS	BROMA	020		TF		FB	1.0				
	RUSTS	GHOST	030		TF		FB	1.0				
	ALL	GHOST	010		IF		FB					
	ALL	CCASH	020		TF		FB	1.0				
	ALL	FALAB	030		TF		FO	1.0				
	ALL	FALAB	040		FM		FB		081.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	END	N362041.90	W0975506.08	N3620.698	W09755.101
	BROMA	N351515.80	W0983010.04	N3515.263	W09830.167
	CCASH	N351557.40	W0980020.23	N3515.957	W09800.337
	FALAB	N351616.76	W0975407.93	N3516.279	W09754.132
	GHOST	N351521.09	W0981249.73	N3515.352	W09812.829
	RUSTS	N351413.01	W0991221.47	N3514.217	W09912.358
	RW03	N351410.37	W0972832.88	N3514.173	W09728.548
	RW17	N351523.18	W0972823.21	N3515.386	W09728.387
	RW21	N351448.26	W0972759.06	N3514.804	W09727.984
	RW35	N351431.77	W0972822.84	N3514.530	W09728.381

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW03	01175	40
	RW17	01182	51
	RW21	01179	40
	RW35	01177	40



(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
CCASH (RNAV)	ONE	GHOST.CCASH1	NONE		24 JULY 2014

**US Department of Transportation
Federal Aviation Administration**

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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QUALITY
2
CHECKED

(11) Arrival Name CCASH (RNAV)	(12) Number ONE	(13) STAR Computer Code GHOST.CCASH1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 24 JULY 2014
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STAR (Data Record)

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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BROMA	BROMA	010		IF		FB					
	BROMA	GHOST	020		TF		FB	1.0				
	RUSTS	RUSTS	010		IF		FB					
	RUSTS	BROMA	020		TF		FB	1.0				
	RUSTS	GHOST	030		TF		FB	1.0				
		GHOST	010		IF		FB					
		CCASH	020		TF		FB	1.0				
	RW17L	CCASH	010		IF		FB					
	RW17L	DIGHT	020		TF		FB	1.0				
	RW17L	KOLPE	030		TF		FB	1.0				
	RW17L	HEDIP	040		TF		FO	1.0				
	RW17L	HEDIP	050		FM		FB		355.0()			
	RW35R	CCASH	010		IF		FB					
	RW35R	FALAB	020		TF		FO	1.0				
	RW35R	FALAB	030		FM		FB		081.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	END	N362041.90	W0975506.08	N3620.698	W09755.101
	BROMA	N351515.80	W0983010.04	N3515.263	W09830.167
	CCASH	N351557.40	W0980020.23	N3515.957	W09800.337
	DIGHT	N351632.73	W0974854.79	N3516.546	W09748.913
	FALAB	N351616.76	W0975407.93	N3516.279	W09754.132
	GHOST	N351521.09	W0981249.73	N3515.352	W09812.829
	RUSTS	N351413.01	W0991221.47	N3514.217	W09912.358
	HEDIP	N353440.31	W0974712.59	N3534.672	W09747.210
	KOLPE	N352947.03	W0974711.54	N3529.784	W09747.192
	RW17L	N353239.61	W0973843.81	N3532.660	W09738.730
	RW35R	N353131.93	W0973843.79	N3531.532	W09738.730

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	01291	54
	RW35R	01299	50

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
CCASH (RNAV)	ONE	GHOST.CCASH1	NONE		24 JULY 2014

STAR (Data Record)

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Page 9 of 10

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BROMA	BROMA	010		IF		FB					
	BROMA	GHOST	020		TF		FB	1.0				
	RUSTS	RUSTS	010		IF		FB					
	RUSTS	BROMA	020		TF		FB	1.0				
	RUSTS	GHOST	030		TF		FB	1.0				
	ALL	GHOST	010		IF		FB					
	ALL	CCASH	020		TF		FB	1.0				
	ALL	FALAB	030		TF		FO	1.0				
	ALL	FALAB	040		FM		FB		081.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	END	N362041.90	W0975506.08	N3620.698	W09755.101
	BROMA	N351515.80	W0983010.04	N3515.263	W09830.167
	CCASH	N351557.40	W0980020.23	N3515.957	W09800.337
	FALAB	N351616.76	W0975407.93	N3516.279	W09754.132
	GHOST	N351521.09	W0981249.73	N3515.352	W09812.829
	RUSTS	N351413.01	W0991221.47	N3514.217	W09912.358
	RW13	N352529.47	W0972415.51	N3525.491	W09724.259
	RW18	N352544.41	W0972255.56	N3525.740	W09722.926
	RW31	N352424.53	W0972244.38	N3524.409	W09722.740
	RW36	N352354.62	W0972255.67	N3523.910	W09722.928

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01227	47
	RW18	01260	51
	RW31	01276	71
	RW36	01291	51

(11)
Arrival Name
CCASH (RNAV)

(12)
Number
ONE

(13)
STAR Computer Code
GHOST.CCASH1

(14)
Superseded Nr.
NONE

(15)
Dated

(16)
Effective Date
24 JULY 2014