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 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
BLUE MESA	HBU.POWDR8	HBU VOR/DME	GRIPP INT	037.74/34.94 (HBU R-038)	FL200	16,400		
		GRIPP INT	BASEE INT	037.74 & 045.27/38.69 (HBU R-038 & DVV R-225)	FL200	16,400		
		BASEE INT	SKEED INT	045.27/8.38 (DVV R-225)	16,500			
		SKEED INT	COLAS INT	045.27/5.13 (DVV R-225)	15,600			
		COLAS INT	POWDR INT	045.27/5.16 (DVV R-225)	15,600			
GRAND JUNCTION	JNC.POWDR8	JNC VOR/DME	DIRDY INT	082.00/60.26 (JNC R-082)	FL270	13,000		
		DIRDY INT	GRIPP INT	082.00/50.19 (JNC R-082)	FL270	16,400		
		GRIPP INT	BASEE INT	037.74 & 045.27/38.69 (HBU R-038 & DVV R-225)	FL200	16,400		
		BASEE INT	SKEED INT	045.27/8.38 (DVV R-225)	16,500			
		SKEED INT	COLAS INT	045.27/5.13 (DVV R-225)	15,600			
		COLAS INT	POWDR INT	045.27/5.16 (DVV R-225)	15,600			
RED TABLE	DBL.POWDR8	DBL VOR/DME	JNETT INT	092.99/20.00 (DBL R-093)	16,500			
		JNETT INT	BASEE INT	092.99/32.85 (DBL R-093)	16,500			
		BASEE INT	SKEED INT	045.27/8.38 (DVV R-225)	16,500			
		SKEED INT	COLAS INT	045.27/5.13 (DVV R-225)	15,600			
		COLAS INT	POWDR INT	045.27/5.16 (DVV R-225)	15,600			

(2) Arrival Route Description:

...From over the POWDR intersection on the DVV VORTAC R-225 to HLLIE INT, then on DVV VORTAC R-225 to SLOPE, then on DVV VORTAC R-225 to DVV. Expect radar vectors to the final approach course at or before DVV VORTAC.

(3) Procedural Data Notes:

NOTE: VERTICAL NAVIGATION PLANNING INFORMATION TURBOJETS: Expect to cross POWDR at FL190 and 250 KIAS or as assigned by ATC.
NOTE: DME required. NOTE: Adjacent STAR is LARKS Arrival.
NOTE: Chart not to scale.

(4) Fixes and/or Holding Patterns: CHART: DEN, FQF, GLL, HLLIE INT, RLG, SLOPE. CHART HOLDING AT SKEED INT (HOLD SW, RT, 045.27 INBOUND); AT GRIPP INT (HOLD SW, RT, 037.74 INBOUND); AND AT HBU VOR/DME (HOLD SW, LT, 031.00 INBOUND).
COP: HBU R-038(65)/DVV R-225(77)

(5) Communications: Denver Approach Control. Buckley AFB, Centennial, Denver International, Front Range, and Rocky Mountain Metropolitan ATIS.

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
POWDR	**EIGHT**	**POWDR.POWDR8**	**SEVEN**	**5 JUNE 2008**	

(12) Airports Served	
Airport Name DENVER INTL	City/State DENVER, CO
Airport Name BUCKLEY AFB	City/State AURORA, CO
Airport Name CENTENNIAL	City/State DENVER, CO
Airport Name FORT COLLINS-LOVELAND MUNI	City/State LOVELAND, CO
Airport Name FRONT RANGE	City/State DENVER, CO
Airport Name GREELEY-WELD COUNTY	City/State GREELEY, CO
Airport Name ROCKY MOUNTAIN METROPOLITAN	City/State DENVER, CO

(13) Lost Communications Procedure:

(14) Remarks:

(15) Additional Flight Data:

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	5 JUNE 2008	

(16) Continuation:

(17) Changes:
CHANGED DVV R-222 TO R-225
CHANGED INBOUND COURSE FROM BASEE TO DVV TO 045
RAISED MEA ALTITUDE BETWEEN BASEE INT AND SKEED INT FROM 16,400 TO 16,500
RAISED MEA ALTITUDE BETWEEN SKEED INT AND COLAS INT FROM 14,500 TO 15,600
RAISED MEA ALTITUDE BETWEEN COLAS INT AND POWDR INT FROM 14,500 TO 15,600
RAISED MEA ALTITUDE BETWEEN DBL VOR/DME AND JNETT INT FROM 16,400 TO 16,500
RAISED MEA ALTITUDE BETWEEN JNETT INT AND BASEE INT FROM 16,400 TO 16,500

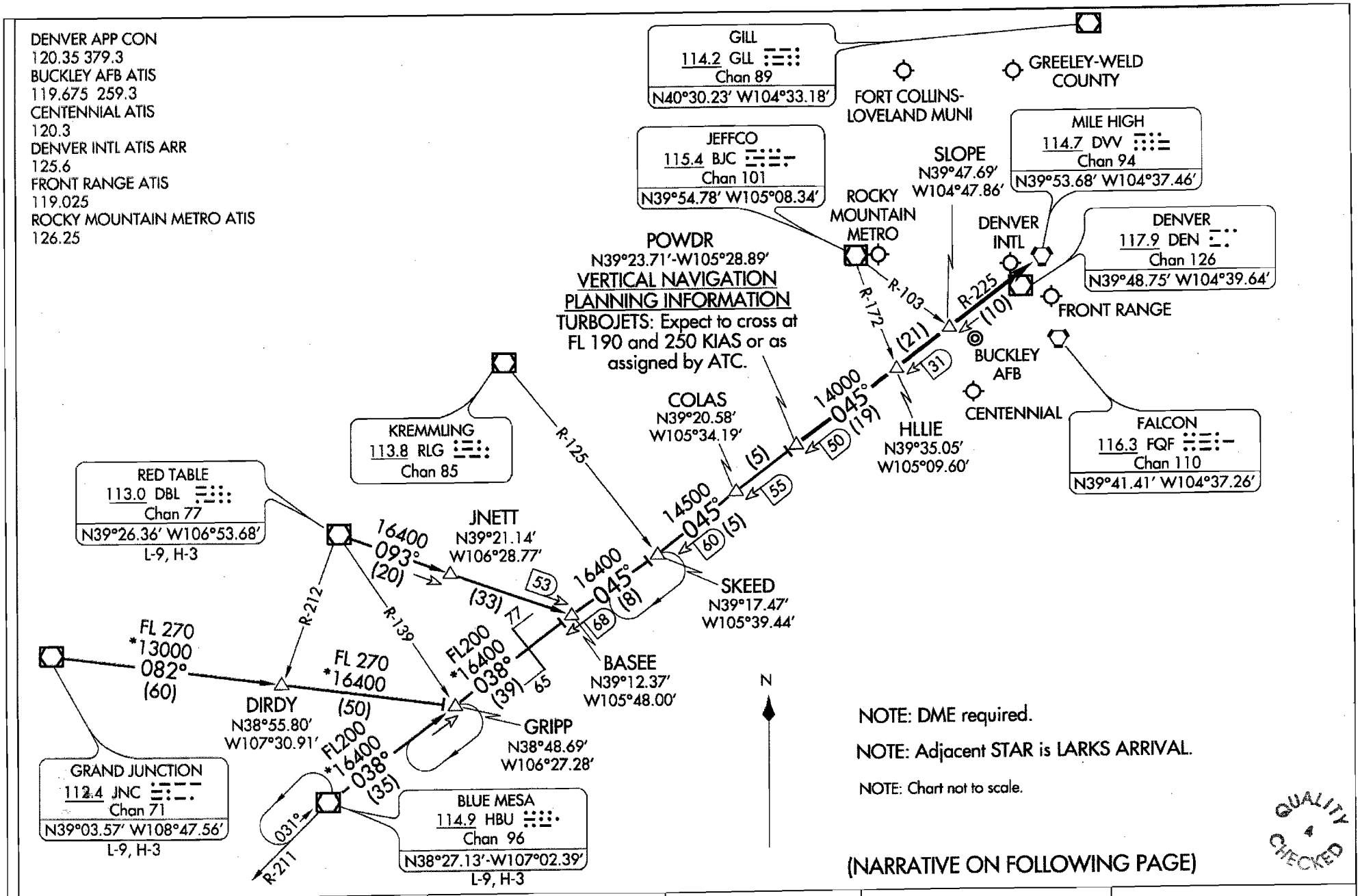
(18) Reasons for Changes:
DVV MAG VAR CHANGED FROM 11E TO 8E.
MRA ALTITUDES RAISED TO MATCH THOSE AT FIXES ON V328.

09/14/12: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 02/16/12.
1. CHANGED SLOPE INT TO SLOPE IN BOXES 2 AND 4.
2. REMOVED RJF FROM BOX 4.

	Name (Typed and Signed), Title and Organization	DATE
Developed By	Paul D. Garcia, Support Manager-Airspace & Procedures, ZDV-530, Denver ARTCC	2/06/2012
Approved	FIFO	
	Reg. ATD	

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	5 JUNE 2008	


DENVER APP CON
120.35 379.3
BUCKLEY AFB ATIS
119.675 259.3
CENTENNIAL ATIS
120.3
DENVER INTL ATIS ARR
125.6
FRONT RANGE ATIS
119.025
ROCKY MOUNTAIN METRO ATIS
126.25
GILL
114.2 GLL
Chan 89
N40°30.23' W104°33.18'
FORT COLLINS-LOVELAND MUNI
GREELEY-WELD COUNTY
JEFFCO
115.4 BJC
Chan 101
N39°54.78' W105°08.34'
MILE HIGH
114.7 DVV
Chan 94
N39°53.68' W104°37.46'
SLOPE
N39°47.69'
W104°47.86'
ROCKY MOUNTAIN METRO
DENVER INTL
DENVER
117.9 DEN
Chan 126
N39°48.75' W104°39.64'
POWDR
N39°23.71'-W105°28.89'
VERTICAL NAVIGATION PLANNING INFORMATION
TURBOJETS: Expect to cross at FL 190 and 250 KIAS or as assigned by ATC.
R-103
R-172
R-225
(10)
(21)
31
FRONT RANGE
BUCKLEY AFB
CENTENNIAL
14000
045°
(19)
50
HLLIE
N39°35.05'
W105°09.60'
FALCON
116.3 FQF
Chan 110
N39°41.41' W104°37.26'
COLAS
N39°20.58'
W105°34.19'
(5)
55
14500
045°
(5)
60
KREMMLING
113.8 RLG
Chan 85
R-125
RED TABLE
113.0 DBL
Chan 77
N39°26.36' W106°53.68'
L-9, H-3
16400
093°
(20)
JNETT
N39°21.14'
W106°28.77'
(33)
53
16400
045°
(8)
68
SKEED
N39°17.47'
W105°39.44'
R-212
R-139
77
65
BASEE
N39°12.37'
W105°48.00'
FL 270
*13000
082°
(60)
FL 270
*16400
(50)
FL200
*16400
038°
(39)
DIRDY
N38°55.80'
W107°30.91'
GRIPP
N38°48.69'
W106°27.28'
FL200
*16400
038°
(35)
GRAND JUNCTION
112.4 JNC
Chan 71
N39°03.57' W108°47.56'
L-9, H-3
031°
R-211
BLUE MESA
114.9 HBU
Chan 96
N38°27.13'-W107°02.39'
L-9, H-3
N
NOTE: DME required.
NOTE: Adjacent STAR is LARKS ARRIVAL.
NOTE: Chart not to scale.
(NARRATIVE ON FOLLOWING PAGE)
QUALITY 4 CHECKED

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DBL   K2011300VDHW N39262164W106534085    N39262164W106534085E0120118002     NARRED TABLE
        SUSAD        DVV   K2011470VTHW N39534088W104372761    N39534088W104372761E0080052792     NARMILE HIGH
        SUSAD        HBU   K2011490VDHW N38270775W107022325    N38270775W107022325E0140087302     NARBLUE MESA
        SUSAD        JNC   K2011240VDHW N39033444W108473327    N39033444W108473327E0150071002     NARGRAND JUNCTION

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BASEE K20    R   B N39122216W105480012                    E0092     NAR          BASEE
        SUSAEAENRT   COLAS K20    R     N39203499W105341122                    E0091     NAR          COLAS
        SUSAEAENRT   DIRDY K20    C   B N38554818W107305431                    E0099     NAR          DIRDY
        SUSAEAENRT   GRIPP K20    R     N38484197W106271727                    E0094     NAR          GRIPP
        SUSAEAENRT   HLLIE K20    R     N39350315W105093579                    E0089     NAR          HLLIE
        SUSAEAENRT   JNETT K20    R   L N39210832W106284649                    E0095     NAR          JNETT
        SUSAEAENRT   POWDR K20    C   B N39234279W105285367                    E0090     NAR          POWDR
        SUSAEAENRT   SKEED K20    R   L N39172804W105392645                    E0091     NAR          SKEED
        SUSAEAENRT   SLOPE K20    R     N39474130W104475150                    E0087     NAR          SLOPE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAPAK2AAPA      0     100YHN39341240W104505750E011005885          1800018000C    MNAR     CENTENNIAL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAPAK2EPOWDR81DBL   010DBL  K2D 0V       IF                                                  18000
        SUSAP KAPAK2EPOWDR81DBL   020JNETTK2EA0E       TF                  09300200
        SUSAP KAPAK2EPOWDR81DBL   030BASEEK2EA0E       TF                  09300329
        SUSAP KAPAK2EPOWDR81DBL   040SKEEDK2EA0E   H   TF                  04530084
        SUSAP KAPAK2EPOWDR81DBL   050COLASK2EA0E       TF                  04530051
        SUSAP KAPAK2EPOWDR81DBL   060POWDRK2EA0EE      TF                  04530052
        SUSAP KAPAK2EPOWDR81HBU   010HBU  K2D 0V  H    IF                                                  18000
        SUSAP KAPAK2EPOWDR81HBU   020GRIPPK2EA0E  H    TF                  03770349
        SUSAP KAPAK2EPOWDR81HBU   030BASEEK2EA0E       TF                  03770387
        SUSAP KAPAK2EPOWDR81HBU   040SKEEDK2EA0E   H   TF                  04530084
        SUSAP KAPAK2EPOWDR81HBU   050COLASK2EA0E       TF                  04530051
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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SUSAP KAPAK2EPOWDR81HBU   060POWDRK2EA0EE      TF                  04530052
SUSAP KAPAK2EPOWDR81JNC   010JNC  K2D 0V       IF                                  18000
SUSAP KAPAK2EPOWDR81JNC   020DIRDYK2EA0E       TF                  08200603
SUSAP KAPAK2EPOWDR81JNC   030GRIPPK2EA0E  H    TF                  08200502
SUSAP KAPAK2EPOWDR81JNC   040BASEEK2EA0E       TF                  03770387
SUSAP KAPAK2EPOWDR81JNC   050SKEEDK2EA0E  H    TF                  04530084
SUSAP KAPAK2EPOWDR81JNC   060COLASK2EA0E       TF                  04530051
SUSAP KAPAK2EPOWDR81JNC   070POWDRK2EA0EE      TF                  04530052
SUSAP KAPAK2EPOWDR82ALL   010POWDRK2EA0E       IF                                  18000
SUSAP KAPAK2EPOWDR82ALL   020HLLIEK2EA0E       TF                  0450
SUSAP KAPAK2EPOWDR82ALL   030SLOPEK2EA0E       TF                  0450
SUSAP KAPAK2EPOWDR82ALL   040DVV  K2D 0VE      TF                  0450
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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
SUSAP KAPAK2GRW10     0048001000 N39342242W104505357-0600     +175800582400005007 5D
SUSAP KAPAK2GRW17L    0100011670 N39350292W104510530+0900     +174850579300004710 0V
SUSAP KAPAK2GRW17R    0070001670 N39344434W104511338+0900     +175170580400004107 7V
SUSAP KAPAK2GRW28     0048002800 N39340546W104495635+0600     +174880579400003007 5R
SUSAP KAPAK2GRW35L    0070003470 N39333523W104511019-0900     +177160586900003707 7V
SUSAP KAPAK2GRW35R    0100013470 N39332418W104510074-0900     +177660588500005310 0IIAPA1
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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
	DBL	DBL	010		IF		FB					
	DBL	JNETT	020		TF		FB		093.0()	020.0		
	DBL	BASEE	030		TF		FB		093.0()	032.9		
	DBL	SKEED	040		TF		FB		045.3()	008.4		
	DBL	COLAS	050		TF		FB		045.3()	005.1		
	DBL	POWDR	060		TF		FB		045.3()	005.2		
	HBU	HBU	010		IF		FB					
	HBU	GRIPP	020		TF		FB		037.7()	034.9		
	HBU	BASEE	030		TF		FB		037.7()	038.7		
	HBU	SKEED	040		TF		FB		045.3()	008.4		
	HBU	COLAS	050		TF		FB		045.3()	005.1		
	HBU	POWDR	060		TF		FB		045.3()	005.2		
	JNC	JNC	010		IF		FB					
	JNC	DIRDY	020		TF		FB		082.0()	060.3		
	JNC	GRIPP	030		TF		FB		082.0()	050.2		
	JNC	BASEE	040		TF		FB		037.7()	038.7		
	JNC	SKEED	050		TF		FB		045.3()	008.4		
	JNC	COLAS	060		TF		FB		045.3()	005.1		
	JNC	POWDR	070		TF		FB		045.3()	005.2		
	ALL	POWDR	010		IF		FB					
	ALL	HLLIE	020		TF		FB		045.0()			
	ALL	SLOPE	030		TF		FB		045.0()			
	ALL	DVV	040		TF		FB		045.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DBL	N392621.64	W1065340.85	N3926.361	W10653.681
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HBU	N382707.75	W1070223.25	N3827.129	W10702.388
	JNC	N390334.44	W1084733.27	N3903.574	W10847.555
	BASEE	N391222.16	W1054800.12	N3912.369	W10548.002
	COLAS	N392034.99	W1053411.22	N3920.583	W10534.187
	DIRDY	N385548.18	W1073054.31	N3855.803	W10730.905
	GRIPP	N384841.97	W1062717.27	N3848.700	W10627.288
	HLLIE	N393503.15	W1050935.79	N3935.053	W10509.597
	JNETT	N392108.32	W1062846.49	N3921.139	W10628.775
	POWDR	N392342.79	W1052853.67	N3923.713	W10528.895
	SKEED	N391728.04	W1053926.45	N3917.467	W10539.441

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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SLOPE	N394741.30	W1044751.50	N3947.688	W10447.858
RW10	N393422.42	W1045053.57	N3934.374	W10450.893
RW17L	N393502.92	W1045105.30	N3935.049	W10451.088
RW17R	N393444.34	W1045113.38	N3934.739	W10451.223
RW28	N393405.46	W1044956.35	N3934.091	W10449.939
RW35L	N393335.23	W1045110.19	N3933.587	W10451.170
RW35R	N393324.18	W1045100.74	N3933.403	W10451.012

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW10	05824	50
RW17L	05793	47
RW17R	05804	41
RW28	05794	30
RW35L	05869	37
RW35R	05885	53

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD         DBL   K2011300VDHW N39262164W106534085    N39262164W106534085E0120118002     NARRED TABLE
        SUSAD         DVV   K2011470VTHW N39534088W104372761    N39534088W104372761E0080052792     NARMILE HIGH
        SUSAD         HBU   K2011490VDHW N38270775W107022325    N38270775W107022325E0140087302     NARBLUE MESA
        SUSAD         JNC   K2011240VDHW N39033444W108473327    N39033444W108473327E0150071002     NARGRAND JUNCTION

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT    BASEE K20     R   B N39122216W105480012                    E0092     NAR           BASEE
        SUSAEAENRT    COLAS K20     R     N39203499W105341122                    E0091     NAR           COLAS
        SUSAEAENRT    DIRDY K20     C   B N38554818W107305431                    E0099     NAR           DIRDY
        SUSAEAENRT    GRIPP K20     R     N38484197W106271727                    E0094     NAR           GRIPP
        SUSAEAENRT    HLLIE K20     R     N39350315W105093579                    E0089     NAR           HLLIE
        SUSAEAENRT    JNETT K20     R   L N39210832W106284649                    E0095     NAR           JNETT
        SUSAEAENRT    POWDR K20     C   B N39234279W105285367                    E0090     NAR           POWDR
        SUSAEAENRT    SKEED K20     R   L N39172804W105392645                    E0091     NAR           SKEED
        SUSAEAENRT    SLOPE K20     R     N39474130W104475150                    E0087     NAR           SLOPE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBJCK2ABJC      0     090YHN39543170W105070190E011005673         1800018000C    MNAR     ROCKY MOUNTAIN METROPOLITAN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBJCK2EPOWDR81DBL   010DBL  K2D 0V       IF                                          18000
        SUSAP KBJCK2EPOWDR81DBL   020JNETTK2EA0E       TF                    09300200
        SUSAP KBJCK2EPOWDR81DBL   030BASEEK2EA0E       TF                    09300329
        SUSAP KBJCK2EPOWDR81DBL   040SKEEDK2EA0E   H   TF                    04530084
        SUSAP KBJCK2EPOWDR81DBL   050COLASK2EA0E       TF                    04530051
        SUSAP KBJCK2EPOWDR81DBL   060POWDRK2EA0EE      TF                    04530052
        SUSAP KBJCK2EPOWDR81HBU   010HBU  K2D 0V   H   IF                                          18000
        SUSAP KBJCK2EPOWDR81HBU   020GRIPPK2EA0E   H   TF                    03770349
        SUSAP KBJCK2EPOWDR81HBU   030BASEEK2EA0E       TF                    03770387
        SUSAP KBJCK2EPOWDR81HBU   040SKEEDK2EA0E   H   TF                    04530084
        SUSAP KBJCK2EPOWDR81HBU   050COLASK2EA0E       TF                    04530051
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

FAA Form 7100-3 (9/02)

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SUSAP KBJCK2EPOWDR81HBU   060POWDRK2EA0EE      TF                  04530052
SUSAP KBJCK2EPOWDR81JNC   010JNC  K2D 0V       IF                                  18000
SUSAP KBJCK2EPOWDR81JNC   020DIRDYK2EA0E       TF                  08200603
SUSAP KBJCK2EPOWDR81JNC   030GRIPPK2EA0E  H    TF                  08200502
SUSAP KBJCK2EPOWDR81JNC   040BASEEK2EA0E       TF                  03770387
SUSAP KBJCK2EPOWDR81JNC   050SKEEDK2EA0E  H    TF                  04530084
SUSAP KBJCK2EPOWDR81JNC   060COLASK2EA0E       TF                  04530051
SUSAP KBJCK2EPOWDR81JNC   070POWDRK2EA0EE      TF                  04530052
SUSAP KBJCK2EPOWDR82ALL   010POWDRK2EA0E       IF                                  18000
SUSAP KBJCK2EPOWDR82ALL   020HLLIEK2EA0E       TF                  0450
SUSAP KBJCK2EPOWDR82ALL   030SLOPEK2EA0E       TF                  0450
SUSAP KBJCK2EPOWDR82ALL   040DVV  K2D 0VE      TF                  0450

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RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SUSAP KBJCK2GRW11R   0070021133 N39545110W105075355-1100    +17126056730000040075V
SUSAP KBJCK2GRW20    0036002033 N39545053W105063904+0400    +16902056000000040075V
SUSAP KBJCK2GRW29L   0070022933 N39541212W105063933+1100    +16888055950000041075R
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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
	DBL	DBL	010		IF		FB					
	DBL	JNETT	020		TF		FB		093.0()	020.0		
	DBL	BASEE	030		TF		FB		093.0()	032.9		
	DBL	SKEED	040		TF		FB		045.3()	008.4		
	DBL	COLAS	050		TF		FB		045.3()	005.1		
	DBL	POWDR	060		TF		FB		045.3()	005.2		
	HBU	HBU	010		IF		FB					
	HBU	GRIPP	020		TF		FB		037.7()	034.9		
	HBU	BASEE	030		TF		FB		037.7()	038.7		
	HBU	SKEED	040		TF		FB		045.3()	008.4		
	HBU	COLAS	050		TF		FB		045.3()	005.1		
	HBU	POWDR	060		TF		FB		045.3()	005.2		
	JNC	JNC	010		IF		FB					
	JNC	DIRDY	020		TF		FB		082.0()	060.3		
	JNC	GRIPP	030		TF		FB		082.0()	050.2		
	JNC	BASEE	040		TF		FB		037.7()	038.7		
	JNC	SKEED	050		TF		FB		045.3()	008.4		
	JNC	COLAS	060		TF		FB		045.3()	005.1		
	JNC	POWDR	070		TF		FB		045.3()	005.2		
	ALL	POWDR	010		IF		FB					
	ALL	HLLIE	020		TF		FB		045.0()			
	ALL	SLOPE	030		TF		FB		045.0()			
	ALL	DVV	040		TF		FB		045.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DBL	N392621.64	W1065340.85	N3926.361	W10653.681
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HBU	N382707.75	W1070223.25	N3827.129	W10702.388
	JNC	N390334.44	W1084733.27	N3903.574	W10847.555
	BASEE	N391222.16	W1054800.12	N3912.369	W10548.002
	COLAS	N392034.99	W1053411.22	N3920.583	W10534.187
	DIRDY	N385548.18	W1073054.31	N3855.803	W10730.905
	GRIPP	N384841.97	W1062717.27	N3848.700	W10627.288
	HLLIE	N393503.15	W1050935.79	N3935.053	W10509.597
	JNETT	N392108.32	W1062846.49	N3921.139	W10628.775
	POWDR	N392342.79	W1052853.67	N3923.713	W10528.895
	SKEED	N391728.04	W1053926.45	N3917.467	W10539.441

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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SLOPE	N394741.30	W1044751.50	N3947.688	W10447.858
RW02	N395421.16	W1050705.08	N3954.353	W10507.085
RW11L	N395455.05	W1050742.28	N3954.918	W10507.705
RW11R	N395451.10	W1050753.55	N3954.852	W10507.893
RW20	N395450.53	W1050639.04	N3954.842	W10506.651
RW29L	N395412.12	W1050639.33	N3954.202	W10506.656
RW29R	N395404.95	W1050606.91	N3954.083	W10506.115

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW02	05616	30
RW11L	05660	41
RW11R	05673	40
RW20	05600	40
RW29L	05595	41
RW29R	05566	52

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        DVV   K2011470VTHW N39534088W104372761    N39534088W104372761E0080052792     NARMILE HIGH
        SUSAD        HBU   K2011490VDHW N38270775W107022325    N38270775W107022325E0140087302     NARBLUE MESA
        SUSAD        JNC   K2011240VDHW N39033444W108473327    N39033444W108473327E0150071002     NARGRAND JUNCTION

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   BASEE K20    R   B N39122216W105480012                    E0092    NAR          BASEE
        SUSAEAENRT   COLAS K20    R     N39203499W105341122                    E0091    NAR          COLAS
        SUSAEAENRT   DIRDY K20    C   B N38554818W107305431                    E0099    NAR          DIRDY
        SUSAEAENRT   GRIPP K20    R     N38484197W106271727                    E0094    NAR          GRIPP
        SUSAEAENRT   HLLIE K20    R     N39350315W105093579                    E0089    NAR          HLLIE
        SUSAEAENRT   JNETT K20    R   L N39210832W106284649                    E0095    NAR          JNETT
        SUSAEAENRT   POWDR K20    C   B N39234279W105285367                    E0090    NAR          POWDR
        SUSAEAENRT   SKEED K20    R   L N39172804W105392645                    E0091    NAR          SKEED
        SUSAEAENRT   SLOPE K20    R     N39474130W104475150                    E0087    NAR          SLOPE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KBKFK2EPOWDR81DBL   010DBL  K2D 0V       IF                                                  18000
        SUSAP KBKFK2EPOWDR81DBL   020JNETTK2EA0E       TF                  09300200
        SUSAP KBKFK2EPOWDR81DBL   030BASEEK2EA0E       TF                  09300329
        SUSAP KBKFK2EPOWDR81DBL   040SKEEDK2EA0E   H   TF                  04530084
        SUSAP KBKFK2EPOWDR81DBL   050COLASK2EA0E       TF                  04530051
        SUSAP KBKFK2EPOWDR81DBL   060POWDRK2EA0EE      TF                  04530052
        SUSAP KBKFK2EPOWDR81HBU   010HBU  K2D 0V   H   IF                                                  18000
        SUSAP KBKFK2EPOWDR81HBU   020GRIPPK2EA0E   H   TF                  03770349
        SUSAP KBKFK2EPOWDR81HBU   030BASEEK2EA0E       TF                  03770387
        SUSAP KBKFK2EPOWDR81HBU   040SKEEDK2EA0E   H   TF                  04530084
        SUSAP KBKFK2EPOWDR81HBU   050COLASK2EA0E       TF                  04530051
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

FAA Form 7100-3 (9/02)

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SUSAP KBKFK2EPOWDR81HBU   060POWDRK2EA0EE      TF                    04530052
SUSAP KBKFK2EPOWDR81JNC   010JNC  K2D 0V       IF                                  18000
SUSAP KBKFK2EPOWDR81JNC   020DIRDYK2EA0E       TF                    08200603
SUSAP KBKFK2EPOWDR81JNC   030GRIPPK2EA0E  H    TF                    08200502
SUSAP KBKFK2EPOWDR81JNC   040BASEEK2EA0E       TF                    03770387
SUSAP KBKFK2EPOWDR81JNC   050SKEEDK2EA0E  H    TF                    04530084
SUSAP KBKFK2EPOWDR81JNC   060COLASK2EA0E       TF                    04530051
SUSAP KBKFK2EPOWDR81JNC   070POWDRK2EA0EE      TF                    04530052
SUSAP KBKFK2EPOWDR82ALL   010POWDRK2EA0E       IF                                  18000
SUSAP KBKFK2EPOWDR82ALL   020HLLIEK2EA0E       TF                    0450
SUSAP KBKFK2EPOWDR82ALL   030SLOPEK2EA0E       TF                    0450
SUSAP KBKFK2EPOWDR82ALL   040DVV  K2D 0VE      TF                    0450

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SUSAP KBKFK2GRW32     0110063231 N39411875W104443304-0700     +17261056640000044150IIBKF1
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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
	DBL	DBL	010		IF		FB					
	DBL	JNETT	020		TF		FB		093.0()	020.0		
	DBL	BASEE	030		TF		FB		093.0()	032.9		
	DBL	SKEED	040		TF		FB		045.3()	008.4		
	DBL	COLAS	050		TF		FB		045.3()	005.1		
	DBL	POWDR	060		TF		FB		045.3()	005.2		
	HBU	HBU	010		IF		FB					
	HBU	GRIPP	020		TF		FB		037.7()	034.9		
	HBU	BASEE	030		TF		FB		037.7()	038.7		
	HBU	SKEED	040		TF		FB		045.3()	008.4		
	HBU	COLAS	050		TF		FB		045.3()	005.1		
	HBU	POWDR	060		TF		FB		045.3()	005.2		
	JNC	JNC	010		IF		FB					
	JNC	DIRDY	020		TF		FB		082.0()	060.3		
	JNC	GRIPP	030		TF		FB		082.0()	050.2		
	JNC	BASEE	040		TF		FB		037.7()	038.7		
	JNC	SKEED	050		TF		FB		045.3()	008.4		
	JNC	COLAS	060		TF		FB		045.3()	005.1		
	JNC	POWDR	070		TF		FB		045.3()	005.2		
	ALL	POWDR	010		IF		FB					
	ALL	HLLIE	020		TF		FB		045.0()			
	ALL	SLOPE	030		TF		FB		045.0()			
	ALL	DVV	040		TF		FB		045.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DBL	N392621.64	W1065340.85	N3926.361	W10653.681
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HBU	N382707.75	W1070223.25	N3827.129	W10702.388
	JNC	N390334.44	W1084733.27	N3903.574	W10847.555
	BASEE	N391222.16	W1054800.12	N3912.369	W10548.002
	COLAS	N392034.99	W1053411.22	N3920.583	W10534.187
	DIRDY	N385548.18	W1073054.31	N3855.803	W10730.905
	GRIPP	N384841.97	W1062717.27	N3848.700	W10627.288
	HLLIE	N393503.15	W1050935.79	N3935.053	W10509.597
	JNETT	N392108.32	W1062846.49	N3921.139	W10628.775
	POWDR	N392342.79	W1052853.67	N3923.713	W10528.895
	SKEED	N391728.04	W1053926.45	N3917.467	W10539.441

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

FAA Form 7100-3 (9/02)

SLOPE	N394741.30	W1044751.50	N3947.688	W10447.858
RW14	N394253.93	W1044541.16	N3942.899	W10445.686
RW32	N394118.75	W1044433.04	N3941.313	W10444.551

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW14	05591	42
RW32	05664	44

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAD        DVV   K2011470VTHW N39534088W104372761    N39534088W104372761E0080052792     NARMILE HIGH
         SUSAD        HBU   K2011490VDHW N38270775W107022325    N38270775W107022325E0140087302     NARBLUE MESA
         SUSAD        JNC   K2011240VDHW N39033444W108473327    N39033444W108473327E0150071002     NARGRAND JUNCTION

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAEAENRT   COLAS K20    R     N39203499W105341122                    E0091    NAR          COLAS
         SUSAEAENRT   DIRDY K20    C   B N38554818W107305431                    E0099    NAR          DIRDY
         SUSAEAENRT   GRIPP K20    R     N38484197W106271727                    E0094    NAR          GRIPP
         SUSAEAENRT   HLLIE K20    R     N39350315W105093579                    E0089    NAR          HLLIE
         SUSAEAENRT   JNETT K20    R   L N39210832W106284649                    E0095    NAR          JNETT
         SUSAEAENRT   POWDR K20    C   B N39234279W105285367                    E0090    NAR          POWDR
         SUSAEAENRT   SKEED K20    R   L N39172804W105392645                    E0091    NAR          SKEED
         SUSAEAENRT   SLOPE K20    R     N39474130W104475150                    E0087    NAR          SLOPE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAP KDENK2EPOWDR81DBL   050COLASK2EA0E       TF                  04530051
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         SUSAP KDENK2EPOWDR81HBU   040SKEEDK2EA0E   H   TF                  04530084
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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SUSAP KDENK2EPOWDR81JNC   030GRIPPK2EA0E  H    TF                  08200502
SUSAP KDENK2EPOWDR81JNC   040BASEEK2EA0E       TF                  03770387
SUSAP KDENK2EPOWDR81JNC   050SKEEDK2EA0E  H    TF                  04530084
SUSAP KDENK2EPOWDR81JNC   060COLASK2EA0E       TF                  04530051
SUSAP KDENK2EPOWDR81JNC   070POWDRK2EA0EE      TF                  04530052
SUSAP KDENK2EPOWDR82ALL   010POWDRK2EA0E       IF                                  18000
SUSAP KDENK2EPOWDR82ALL   020HLLIEK2EA0E       TF                  0450
SUSAP KDENK2EPOWDR82ALL   030SLOPEK2EA0E       TF                  0450
SUSAP KDENK2EPOWDR82ALL   040DVV  K2D 0VE      TF                  0450

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RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SUSAP KDENK2GRW16R   0160001725 N39534487W104414590+0000    +16040053220000055200IIDQQ1
SUSAP KDENK2GRW17L   0120001725 N39515383W104382870+0300    +16059053280000048150IIBXP1
SUSAP KDENK2GRW17R   0120001725 N39514048W104393656+0500    +16210053780000060150IIACX1
SUSAP KDENK2GRW25    0120002625 N39502637W104410217+0000    +16142053550000055150IIERP1
SUSAP KDENK2GRW26    0120002626 N39523808W104371015+0500    +15955052940000055150IIJOY1
SUSAP KDENK2GRW34L   0160003525 N39510679W104414772+0000    +16056053270000050200IIDXU3
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SUSAP KDENK2GRW35L   0120003525 N39494193W104393798-0500    +16381054340000057150IIAQD3
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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
	DBL	DBL	010		IF		FB					
	DBL	JNETT	020		TF		FB		093.0()	020.0		
	DBL	BASEE	030		TF		FB		093.0()	032.9		
	DBL	SKEED	040		TF		FB		045.3()	008.4		
	DBL	COLAS	050		TF		FB		045.3()	005.1		
	DBL	POWDR	060		TF		FB		045.3()	005.2		
	HBU	HBU	010		IF		FB					
	HBU	GRIPP	020		TF		FB		037.7()	034.9		
	HBU	BASEE	030		TF		FB		037.7()	038.7		
	HBU	SKEED	040		TF		FB		045.3()	008.4		
	HBU	COLAS	050		TF		FB		045.3()	005.1		
	HBU	POWDR	060		TF		FB		045.3()	005.2		
	JNC	JNC	010		IF		FB					
	JNC	DIRDY	020		TF		FB		082.0()	060.3		
	JNC	GRIPP	030		TF		FB		082.0()	050.2		
	JNC	BASEE	040		TF		FB		037.7()	038.7		
	JNC	SKEED	050		TF		FB		045.3()	008.4		
	JNC	COLAS	060		TF		FB		045.3()	005.1		
	JNC	POWDR	070		TF		FB		045.3()	005.2		
	ALL	POWDR	010		IF		FB					
	ALL	HLLIE	020		TF		FB		045.0()			
	ALL	SLOPE	030		TF		FB		045.0()			
	ALL	DVV	040		TF		FB		045.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DBL	N392621.64	W1065340.85	N3926.361	W10653.681
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HBU	N382707.75	W1070223.25	N3827.129	W10702.388
	JNC	N390334.44	W1084733.27	N3903.574	W10847.555
	BASEE	N391222.16	W1054800.12	N3912.369	W10548.002
	COLAS	N392034.99	W1053411.22	N3920.583	W10534.187
	DIRDY	N385548.18	W1073054.31	N3855.803	W10730.905
	GRIPP	N384841.97	W1062717.27	N3848.700	W10627.288
	HLLIE	N393503.15	W1050935.79	N3935.053	W10509.597
	JNETT	N392108.32	W1062846.49	N3921.139	W10628.775
	POWDR	N392342.79	W1052853.67	N3923.713	W10528.895
	SKEED	N391728.04	W1053926.45	N3917.467	W10539.441

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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SLOPE	N394741.30	W1044751.50	N3947.688	W10447.858
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

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        SUSAD        DVV   K2011470VTHW N39534088W104372761    N39534088W104372761E0080052792     NARMILE HIGH
        SUSAD        HBU   K2011490VDHW N38270775W107022325    N38270775W107022325E0140087302     NARBLUE MESA
        SUSAD        JNC   K2011240VDHW N39033444W108473327    N39033444W108473327E0150071002     NARGRAND JUNCTION

                 1         2         3         4         5         6         7         8         9         0         1         2         3
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        SUSAEAENRT   BASEE K20    R   B N39122216W105480012                    E0092    NAR          BASEE
        SUSAEAENRT   COLAS K20    R     N39203499W105341122                    E0091    NAR          COLAS
        SUSAEAENRT   DIRDY K20    C   B N38554818W107305431                    E0099    NAR          DIRDY
        SUSAEAENRT   GRIPP K20    R     N38484197W106271727                    E0094    NAR          GRIPP
        SUSAEAENRT   HLLIE K20    R     N39350315W105093579                    E0089    NAR          HLLIE
        SUSAEAENRT   JNETT K20    R   L N39210832W106284649                    E0095    NAR          JNETT
        SUSAEAENRT   POWDR K20    C   B N39234279W105285367                    E0090    NAR          POWDR
        SUSAEAENRT   SKEED K20    R   L N39172804W105392645                    E0091    NAR          SKEED
        SUSAEAENRT   SLOPE K20    R     N39474130W104475150                    E0087    NAR          SLOPE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KFNLK2AFNL     0     085YHN40270658W105004081E009005016          1800018000C    MNAR    FORT COLLINS-LOVELAND MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KFNLK2EPOWDR81DBL   020JNETTK2EA0E       TF                  09300200
        SUSAP KFNLK2EPOWDR81DBL   030BASEEK2EA0E       TF                  09300329
        SUSAP KFNLK2EPOWDR81DBL   040SKEEDK2EA0E   H   TF                  04530084
        SUSAP KFNLK2EPOWDR81DBL   050COLASK2EA0E       TF                  04530051
        SUSAP KFNLK2EPOWDR81DBL   060POWDRK2EA0EE      TF                  04530052
        SUSAP KFNLK2EPOWDR81HBU   010HBU  K2D 0V   H   IF                                                  18000
        SUSAP KFNLK2EPOWDR81HBU   020GRIPPK2EA0E   H   TF                  03770349
        SUSAP KFNLK2EPOWDR81HBU   030BASEEK2EA0E       TF                  03770387
        SUSAP KFNLK2EPOWDR81HBU   040SKEEDK2EA0E   H   TF                  04530084
        SUSAP KFNLK2EPOWDR81HBU   050COLASK2EA0E       TF                  04530051
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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SUSAP KFNLK2EPOWDR81HBU   060POWDRK2EA0EE      TF                    04530052
SUSAP KFNLK2EPOWDR81JNC   010JNC  K2D 0V       IF                                  18000
SUSAP KFNLK2EPOWDR81JNC   020DIRDYK2EA0E       TF                    08200603
SUSAP KFNLK2EPOWDR81JNC   030GRIPPK2EA0E  H    TF                    08200502
SUSAP KFNLK2EPOWDR81JNC   040BASEEK2EA0E       TF                    03770387
SUSAP KFNLK2EPOWDR81JNC   050SKEEDK2EA0E  H    TF                    04530084
SUSAP KFNLK2EPOWDR81JNC   060COLASK2EA0E       TF                    04530051
SUSAP KFNLK2EPOWDR81JNC   070POWDRK2EA0EE      TF                    04530052
SUSAP KFNLK2EPOWDR82ALL   010POWDRK2EA0E       IF                                  18000
SUSAP KFNLK2EPOWDR82ALL   020HLLIEK2EA0E       TF                    0450
SUSAP KFNLK2EPOWDR82ALL   030SLOPEK2EA0E       TF                    0450
SUSAP KFNLK2EPOWDR82ALL   040DVV  K2D 0VE      TF                    0450

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RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SUSAP KFNLK2GRW06    0022730616 N40271008W105004166-0100    +1505104990000050040D
SUSAP KFNLK2GRW15    0085001514 N40274421W105010270+0500    +1500004973000050100R
SUSAP KFNLK2GRW24    0022732416 N40271753W105001393+0100    +1504204987000050040D
SUSAP KFNLK2GRW33    0085003314 N40262508W105002589-0500    +1512905016000051100IIFNL1
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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
	DBL	DBL	010		IF		FB					
	DBL	JNETT	020		TF		FB		093.0()	020.0		
	DBL	BASEE	030		TF		FB		093.0()	032.9		
	DBL	SKEED	040		TF		FB		045.3()	008.4		
	DBL	COLAS	050		TF		FB		045.3()	005.1		
	DBL	POWDR	060		TF		FB		045.3()	005.2		
	HBU	HBU	010		IF		FB					
	HBU	GRIPP	020		TF		FB		037.7()	034.9		
	HBU	BASEE	030		TF		FB		037.7()	038.7		
	HBU	SKEED	040		TF		FB		045.3()	008.4		
	HBU	COLAS	050		TF		FB		045.3()	005.1		
	HBU	POWDR	060		TF		FB		045.3()	005.2		
	JNC	JNC	010		IF		FB					
	JNC	DIRDY	020		TF		FB		082.0()	060.3		
	JNC	GRIPP	030		TF		FB		082.0()	050.2		
	JNC	BASEE	040		TF		FB		037.7()	038.7		
	JNC	SKEED	050		TF		FB		045.3()	008.4		
	JNC	COLAS	060		TF		FB		045.3()	005.1		
	JNC	POWDR	070		TF		FB		045.3()	005.2		
	ALL	POWDR	010		IF		FB					
	ALL	HLLIE	020		TF		FB		045.0()			
	ALL	SLOPE	030		TF		FB		045.0()			
	ALL	DVV	040		TF		FB		045.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DBL	N392621.64	W1065340.85	N3926.361	W10653.681
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HBU	N382707.75	W1070223.25	N3827.129	W10702.388
	JNC	N390334.44	W1084733.27	N3903.574	W10847.555
	BASEE	N391222.16	W1054800.12	N3912.369	W10548.002
	COLAS	N392034.99	W1053411.22	N3920.583	W10534.187
	DIRDY	N385548.18	W1073054.31	N3855.803	W10730.905
	GRIPP	N384841.97	W1062717.27	N3848.700	W10627.288
	HLLIE	N393503.15	W1050935.79	N3935.053	W10509.597
	JNETT	N392108.32	W1062846.49	N3921.139	W10628.775
	POWDR	N392342.79	W1052853.67	N3923.713	W10528.895
	SKEED	N391728.04	W1053926.45	N3917.467	W10539.441

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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SLOPE	N394741.30	W1044751.50	N3947.688	W10447.858
RW06	N402710.08	W1050041.66	N4027.168	W10500.694
RW15	N402744.21	W1050102.70	N4027.737	W10501.045
RW24	N402717.53	W1050013.93	N4027.292	W10500.232
RW33	N402625.08	W1050025.89	N4026.418	W10500.432

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW06	04990	50
RW15	04973	50
RW24	04987	50
RW33	05016	51

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        DBL   K2011300VDHW N39262164W106534085    N39262164W106534085E0120118002     NARRED TABLE
        SUSAD        DVV   K2011470VTHW N39534088W104372761    N39534088W104372761E0080052792     NARMILE HIGH
        SUSAD        HBU   K2011490VDHW N38270775W107022325    N38270775W107022325E0140087302     NARBLUE MESA
        SUSAD        JNC   K2011240VDHW N39033444W108473327    N39033444W108473327E0150071002     NARGRAND JUNCTION

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WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   BASEE K20    R   B N39122216W105480012                    E0092    NAR          BASEE
        SUSAEAENRT   COLAS K20    R     N39203499W105341122                    E0091    NAR          COLAS
        SUSAEAENRT   DIRDY K20    C   B N38554818W107305431                    E0099    NAR          DIRDY
        SUSAEAENRT   GRIPP K20    R     N38484197W106271727                    E0094    NAR          GRIPP
        SUSAEAENRT   HLLIE K20    R     N39350315W105093579                    E0089    NAR          HLLIE
        SUSAEAENRT   JNETT K20    R   L N39210832W106284649                    E0095    NAR          JNETT
        SUSAEAENRT   POWDR K20    C   B N39234279W105285367                    E0090    NAR          POWDR
        SUSAEAENRT   SKEED K20    R   L N39172804W105392645                    E0091    NAR          SKEED
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AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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SUSAP KFTGK2EPOWDR81HBU   060POWDRK2EA0EE      TF                  04530052
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SUSAP KFTGK2EPOWDR81JNC   030GRIPPK2EA0E  H    TF                  08200502
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SUSAP KFTGK2EPOWDR81JNC   050SKEEDK2EA0E  H    TF                  04530084
SUSAP KFTGK2EPOWDR81JNC   060COLASK2EA0E       TF                  04530051
SUSAP KFTGK2EPOWDR81JNC   070POWDRK2EA0EE      TF                  04530052
SUSAP KFTGK2EPOWDR82ALL   010POWDRK2EA0E       IF                                  18000
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SUSAP KFTGK2EPOWDR82ALL   030SLOPEK2EA0E       TF                  0450
SUSAP KFTGK2EPOWDR82ALL   040DVV  K2D 0VE      TF                  0450

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SUSAP KFTGK2GRW17    0080001720 N39470815W104312724+0500    +1650805473000055100IIFZR1
SUSAP KFTGK2GRW26    0080002632 N39473682W104321243-0400    +1654705485000045100IIFTG1
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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
	DBL	DBL	010		IF		FB					
	DBL	JNETT	020		TF		FB		093.0()	020.0		
	DBL	BASEE	030		TF		FB		093.0()	032.9		
	DBL	SKEED	040		TF		FB		045.3()	008.4		
	DBL	COLAS	050		TF		FB		045.3()	005.1		
	DBL	POWDR	060		TF		FB		045.3()	005.2		
	HBU	HBU	010		IF		FB					
	HBU	GRIPP	020		TF		FB		037.7()	034.9		
	HBU	BASEE	030		TF		FB		037.7()	038.7		
	HBU	SKEED	040		TF		FB		045.3()	008.4		
	HBU	COLAS	050		TF		FB		045.3()	005.1		
	HBU	POWDR	060		TF		FB		045.3()	005.2		
	JNC	JNC	010		IF		FB					
	JNC	DIRDY	020		TF		FB		082.0()	060.3		
	JNC	GRIPP	030		TF		FB		082.0()	050.2		
	JNC	BASEE	040		TF		FB		037.7()	038.7		
	JNC	SKEED	050		TF		FB		045.3()	008.4		
	JNC	COLAS	060		TF		FB		045.3()	005.1		
	JNC	POWDR	070		TF		FB		045.3()	005.2		
	ALL	POWDR	010		IF		FB					
	ALL	HLLIE	020		TF		FB		045.0()			
	ALL	SLOPE	030		TF		FB		045.0()			
	ALL	DVV	040		TF		FB		045.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DBL	N392621.64	W1065340.85	N3926.361	W10653.681
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HBU	N382707.75	W1070223.25	N3827.129	W10702.388
	JNC	N390334.44	W1084733.27	N3903.574	W10847.555
	BASEE	N391222.16	W1054800.12	N3912.369	W10548.002
	COLAS	N392034.99	W1053411.22	N3920.583	W10534.187
	DIRDY	N385548.18	W1073054.31	N3855.803	W10730.905
	GRIPP	N384841.97	W1062717.27	N3848.700	W10627.288
	HLLIE	N393503.15	W1050935.79	N3935.053	W10509.597
	JNETT	N392108.32	W1062846.49	N3921.139	W10628.775
	POWDR	N392342.79	W1052853.67	N3923.713	W10528.895
	SKEED	N391728.04	W1053926.45	N3917.467	W10539.441

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

FAA Form 7100-3 (9/02)

SLOPE	N394741.30	W1044751.50	N3947.688	W10447.858
RW08	N394738.42	W1043354.87	N3947.640	W10433.915
RW17	N394708.15	W1043127.24	N3947.136	W10431.454
RW26	N394736.82	W1043212.43	N3947.614	W10432.207
RW35	N394549.10	W1043127.22	N3945.818	W10431.454

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW08	05450	50
RW17	05473	55
RW26	05485	45
RW35	05512	54

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DBL   K2011300VDHW N39262164W106534085    N39262164W106534085E0120118002     NARRED TABLE
        SUSAD        DVV   K2011470VTHW N39534088W104372761    N39534088W104372761E0080052792     NARMILE HIGH
        SUSAD        HBU   K2011490VDHW N38270775W107022325    N38270775W107022325E0140087302     NARBLUE MESA
        SUSAD        JNC   K2011240VDHW N39033444W108473327    N39033444W108473327E0150071002     NARGRAND JUNCTION

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BASEE K20    R   B N39122216W105480012                    E0092    NAR          BASEE
        SUSAEAENRT   COLAS K20    R     N39203499W105341122                    E0091    NAR          COLAS
        SUSAEAENRT   DIRDY K20    C   B N38554818W107305431                    E0099    NAR          DIRDY
        SUSAEAENRT   GRIPP K20    R     N38484197W106271727                    E0094    NAR          GRIPP
        SUSAEAENRT   HLLIE K20    R     N39350315W105093579                    E0089    NAR          HLLIE
        SUSAEAENRT   JNETT K20    R   L N39210832W106284649                    E0095    NAR          JNETT
        SUSAEAENRT   POWDR K20    C   B N39234279W105285367                    E0090    NAR          POWDR
        SUSAEAENRT   SKEED K20    R   L N39172804W105392645                    E0091    NAR          SKEED
        SUSAEAENRT   SLOPE K20    R     N39474130W104475150                    E0087    NAR          SLOPE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGXYK2AGXY     0     100YHN40261470W104375960E011004697          1800018000C    MNAR    GREELEY-WELD COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGXYK2EPOWDR81DBL   010DBL  K2D 0V       IF                                                  18000
        SUSAP KGXYK2EPOWDR81DBL   020JNETTK2EA0E       TF                  09300200
        SUSAP KGXYK2EPOWDR81DBL   030BASEEK2EA0E       TF                  09300329
        SUSAP KGXYK2EPOWDR81DBL   040SKEEDK2EA0E  H    TF                  04530084
        SUSAP KGXYK2EPOWDR81DBL   050COLASK2EA0E       TF                  04530051
        SUSAP KGXYK2EPOWDR81DBL   060POWDRK2EA0EE      TF                  04530052
        SUSAP KGXYK2EPOWDR81HBU   010HBU  K2D 0V  H    IF                                                  18000
        SUSAP KGXYK2EPOWDR81HBU   020GRIPPK2EA0E  H    TF                  03770349
        SUSAP KGXYK2EPOWDR81HBU   030BASEEK2EA0E       TF                  03770387
        SUSAP KGXYK2EPOWDR81HBU   040SKEEDK2EA0E  H    TF                  04530084
        SUSAP KGXYK2EPOWDR81HBU   050COLASK2EA0E       TF                  04530051
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

FAA Form 7100-3 (9/02)

```
SUSAP KGXYK2EPOWDR81HBU   060POWDRK2EA0EE      TF                  04530052
SUSAP KGXYK2EPOWDR81JNC   010JNC  K2D 0V       IF                                  18000
SUSAP KGXYK2EPOWDR81JNC   020DIRDYK2EA0E       TF                  08200603
SUSAP KGXYK2EPOWDR81JNC   030GRIPPK2EA0E  H    TF                  08200502
SUSAP KGXYK2EPOWDR81JNC   040BASEEK2EA0E       TF                  03770387
SUSAP KGXYK2EPOWDR81JNC   050SKEEDK2EA0E  H    TF                  04530084
SUSAP KGXYK2EPOWDR81JNC   060COLASK2EA0E       TF                  04530051
SUSAP KGXYK2EPOWDR81JNC   070POWDRK2EA0EE      TF                  04530052
SUSAP KGXYK2EPOWDR82ALL   010POWDRK2EA0E       IF                                  18000
SUSAP KGXYK2EPOWDR82ALL   020HLLIEK2EA0E       TF                  0450
SUSAP KGXYK2EPOWDR82ALL   030SLOPEK2EA0E       TF                  0450
SUSAP KGXYK2EPOWDR82ALL   040DVV  K2D 0VE      TF                  0450

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
SUSAP KGXYK2GRW09    0058010944 N40255047W104384602-0300    +14024046610000050100R
SUSAP KGXYK2GRW16    0100001668 N40272250W104375605-0500    +14133046970000046100R
SUSAP KGXYK2GRW27    0058012744 N40253523W104373372+0300    +13973046450000050100R
SUSAP KGXYK2GRW34    0100003468 N40255464W104375165+0500    +13998046531100481001IDCI1
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

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
	DBL	DBL	010		IF		FB					
	DBL	JNETT	020		TF		FB		093.0()	020.0		
	DBL	BASEE	030		TF		FB		093.0()	032.9		
	DBL	SKEED	040		TF		FB		045.3()	008.4		
	DBL	COLAS	050		TF		FB		045.3()	005.1		
	DBL	POWDR	060		TF		FB		045.3()	005.2		
	HBU	HBU	010		IF		FB					
	HBU	GRIPP	020		TF		FB		037.7()	034.9		
	HBU	BASEE	030		TF		FB		037.7()	038.7		
	HBU	SKEED	040		TF		FB		045.3()	008.4		
	HBU	COLAS	050		TF		FB		045.3()	005.1		
	HBU	POWDR	060		TF		FB		045.3()	005.2		
	JNC	JNC	010		IF		FB					
	JNC	DIRDY	020		TF		FB		082.0()	060.3		
	JNC	GRIPP	030		TF		FB		082.0()	050.2		
	JNC	BASEE	040		TF		FB		037.7()	038.7		
	JNC	SKEED	050		TF		FB		045.3()	008.4		
	JNC	COLAS	060		TF		FB		045.3()	005.1		
	JNC	POWDR	070		TF		FB		045.3()	005.2		
	ALL	POWDR	010		IF		FB					
	ALL	HLLIE	020		TF		FB		045.0()			
	ALL	SLOPE	030		TF		FB		045.0()			
	ALL	DVV	040		TF		FB		045.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DBL	N392621.64	W1065340.85	N3926.361	W10653.681
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HBU	N382707.75	W1070223.25	N3827.129	W10702.388
	JNC	N390334.44	W1084733.27	N3903.574	W10847.555
	BASEE	N391222.16	W1054800.12	N3912.369	W10548.002
	COLAS	N392034.99	W1053411.22	N3920.583	W10534.187
	DIRDY	N385548.18	W1073054.31	N3855.803	W10730.905
	GRIPP	N384841.97	W1062717.27	N3848.700	W10627.288
	HLLIE	N393503.15	W1050935.79	N3935.053	W10509.597
	JNETT	N392108.32	W1062846.49	N3921.139	W10628.775
	POWDR	N392342.79	W1052853.67	N3923.713	W10528.895
	SKEED	N391728.04	W1053926.45	N3917.467	W10539.441

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

FAA Form 7100-3 (9/02)

SLOPE	N394741.30	W1044751.50	N3947.688	W10447.858
RW09	N402550.47	W1043846.02	N4025.841	W10438.767
RW16	N402722.50	W1043756.05	N4027.375	W10437.934
RW27	N402535.23	W1043733.72	N4025.587	W10437.562
RW34	N402554.64	W1043751.65	N4025.911	W10437.861

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW09	04661	50
RW16	04697	46
RW27	04645	50
RW34	04653	48

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
POWDR	EIGHT	POWDR.POWDR8	SEVEN	06/05/2008	15 NOV 2012

RADIO FIX AND HOLDING DATA RECORD

NAME: BASEE **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 391222.16N/1054800.12W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	RED TABLE	DBL	VOR/DME	H	092.99	104.99	52.85	52.85		16500	45000
2	MILE HIGH	DVV	VORTAC	H	225.27	233.27	68.42	68.42		16500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DVV	VORTAC	R-225	69	16000	19800
DBL	VOR/DME	R-093	53	16000	26300

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
RED TABLE (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V108	1, 2				(US)
STAR	POWDR	1, 2		KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
FIX MOVED 11.95 FT ONTO V108 CENTERLINE, COORDINATES REVISED
MRA FOR FAC 1 AND 2 RAISED FROM 16400 TO 16500
ADDED DIST FROM FAC FOR FAC 1 AND 2
UPDATED FIX USE
ADDED ENROUTE HIGH CHARTING

DEVELOPED BY: **DATE:** 01/31/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BLUE MESA VOR/DME **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 382707.75N/1070223.25W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BLUE MESA	HBU	VOR/DME	H							45000

FIX RESTRICTIONS:
MCA V95 12900 NORTHEAST BOUND
MCA V160 12900 NORTHEAST BOUND
MCA V421 12900 NORTHBOUND
MCA V95-421 12600 SOUTHBOUND

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	HBU	VOR/DME	211.00	031.00	L	1-1 1/2		13800	29000	10	22
2	SW	HBU	VOR/DME	211.00	031.00	L	1-1 1/2		12000	29000	9	22
3	N		WP	354.50	174.50	L		8	13000	14000	11	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	381603.00N/1071957.00W	10525	4E
1	310	AAO	381024.00N/1072612.00W	12431	4E
2	230	AAO	381636.00N/1071848.00W	10230	4E
3	230	AAO	384042.00N/1070554.00W	11559	2C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	258
1	310	361
2	230	224
3	230	367

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKE-OFF MINIMUMS	KGUC	GUNNISON	CO (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED
CHART PAT 1 ON ENROUTE LOW.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	ROCKIES			KBKF	AURORA	CO (US)
DP	SPRINGS			KCOS	COLORADO SPRINGS	CO (US)
DP	CORTEZ			KCEZ	CORTEZ	CO (US)
DP	TAKE-OFF MINIMUMS			KCEZ	CORTEZ	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	ROCKIES			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	ROCKIES			KBJC	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	ROCKIES			KDEN	DENVER	CO (US)
DP	DENVER			KFTG	DENVER	CO (US)
DP	ROCKIES			KFTG	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	ROCKIES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND MESA			KGJT	GRAND JUNCTION	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	ROCKIES			KGXY	GREELEY	CO (US)
DP	TAKE-OFF MINIMUMS		1	KGUC	GUNNISON	CO (US)
DP	BLUE MESA			KMTJ	MONTROSE	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)

QUALITY CHECKED

EN ROUTE	J10				(US)
EN ROUTE	J10-128				(US)
EN ROUTE	J128				(US)
EN ROUTE	J146				(US)
EN ROUTE	J206				(US)
EN ROUTE	J240				(US)
EN ROUTE	J28				(US)
EN ROUTE	V160				(US)
EN ROUTE	V244				(US)
EN ROUTE	V26-244				(US)
EN ROUTE	V421				(US)
EN ROUTE	V484				(US)
EN ROUTE	V95				(US)
EN ROUTE	V95-421				(US)
IAP	GPS-B	2	KGUC	GUNNISON	CO (US)
IAP	ILS OR LOC RWY 6	2	KGUC	GUNNISON	CO (US)
IAP	RNAV (RNP) RWY 24	3	KGUC	GUNNISON	CO (US)
IAP	RNAV (RNP) RWY 6	3	KGUC	GUNNISON	CO (US)
IAP	VOR OR GPS-A	2	KGUC	GUNNISON	CO (US)
STAR	DEBERRY		KCOS	COLORADO SPRINGS	CO (US)
STAR	LARKS		KDEN	DENVER	CO (US)
STAR	POWDR	2	KDEN	DENVER	CO (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED FIX USE
UPDATED 230K PAT 1 AND 2 CONTROLLING OBSTACLES TO NEW DTED AAO, AND UPDATED PRECIPITOUS ADJUSTMENT

DEVELOPED BY: **DATE:** 02/01/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: COLAS **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 392034.99N/1053411.22W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MILE HIGH	DVV	VORTAC	H	225.27	233.27	54.91	54.91		15600	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DVV	VORTAC	R-225	55	14500	45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
MILE HIGH (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	POWDR	1		KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED FIX USE
UPDATED FAC 1 MAG BRG FROM 222.27 TO 225.27
FIX MOVED 2.17FT, COORDINATES REVISED
RAISED FAC 1 MRA FROM 14500 TO 15600

DEVELOPED BY: **DATE:** 01/27/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: DIRDY **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 385548.18N/1073054.31W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	RED TABLE	DBL	VOR/DME	H	211.67	223.67	42.07	42.07		15000	45000
2	GRAND JUNCTION	JNC	VOR/DME	H	082.00	097.00	60.26	60.26		15000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
JNC	VOR/DME	R-082	61	15000	45000
DBL	VOR/DME	R-212	43	15000	45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
RED TABLE (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GRAND JUNCTION	1, 2		KGJT	GRAND JUNCTION	CO (US)
DP	GRAND MESA	1, 2		KGJT	GRAND JUNCTION	CO (US)
EN ROUTE	V361	1, 2				(US)
IAP	RNAV (GPS) Y RWY 17			KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) Z RWY 17			KMTJ	MONTROSE	CO (US)
STAR	POWDR	1, 2		KDEN	DENVER	CO (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED FIX USE
FAC 1 AND 2, ADDED DIST FROM FAC
DELETED FAC 3

6/21/2012: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 1/31/12
1. ADDED 60.26 DME TO FAC 2

DEVELOPED BY: **DATE:** 01/31/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: GRIPP **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 384841.97N/1062717.27W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BLUE MESA	HBU	VOR/DME	H	037.74	051.74	34.94	34.94		17500	45000
2	RED TABLE	DBL	VOR/DME	H	139.23	151.23		42.87		17500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DBL	VOR/DME	R-139	43	16400	45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	HBU	VOR/DME	037.74	037.74	R	1 1/2		17500	45000	18	31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	385532.10N/1061906.00W	14620	6C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	265	375

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
BLUE MESA (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	POWDR	1, 2	1	KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED FIX USE
FAC 1 BRG CHANGED FROM 037.75/051.75 TO 037.74/051.74, ADDED DIST FROM FAC
PAT 1 CRS CHANNGED FROM 037.75 TO 037.74, SAME CONTROLLING OBSTACLE
ADDED PRECIPITOUS TERRAIN DATA TO FORM
FIX MOVED 36.96 FT, COORDINATES REVISED
FAC 2 ADDED DIST FROM FAC

DEVELOPED BY: **DATE:** 01/31/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HLLIE **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 393503.15N/1050935.79W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MILE HIGH	DVV	VORTAC	H	225.27	233.27	31.00	31.00		14000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
MILE HIGH (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	POWDR	1		KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED FIX USE
UPDATED FAC 1 MAG BRG FROM 222.27 TO 225.27
REMOVED FAC 2
REMOVED INT FROM FIX TYPE
FIX MOVED 2.18 FT, COORDINATES REVISED

DEVELOPED BY: **DATE:** 01/27/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JNETT **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 392108.32N/1062846.49W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	RED TABLE	DBL	VOR/DME	H	092.99	104.99	20.00	20.00		16400	45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
RED TABLE (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V108	1				(US)
STAR	POWDR	1		KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED FIX USE
RAISED MRA FROM 16000 TO 16400
FAC1 ADDED DIST FROM FAC

DEVELOPED BY: **DATE:** 01/31/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: POWDR **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 392342.79N/1052853.67W **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 FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MILE HIGH	DVV	VORTAC	H	225.27	233.27	49.75	49.75		15600	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DVV	VORTAC	R-225	50	14000	45000

FIX RESTRICTIONS:
MRA V328 15600

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
MILE HIGH (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V328	1				(US)
STAR	CREDE (RNAV)			KBJC	DENVER	CO (US)
STAR	CREDE (RNAV)			KDEN	DENVER	CO (US)
STAR	POWDR	1		KDEN	DENVER	CO (US)
STAR	TELLR (RNAV)			KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED FIX USE
UPDATED FAC 1 MAG BRG FROM 222.27 TO 225.27
REMOVED FAC 2
FIX MOVED 2.45 FT, COORDINATES REVISED
CHANGED FAC 1 MRA FROM 14000 TO 15600

6/8/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 1/27/2012
1. ADDED WP TO FIX TYPE

DEVELOPED BY: **DATE:** 01/27/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SKEED **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 391728.04N/1053926.45W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MILE HIGH	DVV	VORTAC	H	225.27	233.27	60.04	60.04		16500	45000
2	KREMMLING	RLG	VOR/DME	H	125.28	139.28		56.07		16500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DVV	VORTAC	R-225	61	14500	45000
RLG	VOR/DME	R-125	57	16500	23900

FIX RESTRICTIONS:
MRA V328 16500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	DVV	VORTAC	225.27	045.27	R	1 1/2		16500	45000	18	31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	391428.60N/1052949.90W	12631	6C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	265	375

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
MILE HIGH (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V328	1, 2				(US)
STAR	POWDR	1, 2	1	KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED FIX USE
UPDATED FAC 1 MAG BRG FROM 222.27 TO 225.27
FIX MOVED 2.45 FT, COORDINATES REVISED
RAISED FAC 1 MRA FROM 14500 TO 16500
RAISED FAC 2 MRA FROM 16400 TO 16500
PAT 1 MIN ALT RAISED FROM 16400 TO 16500

DEVELOPED BY: **DATE:** 01/27/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SLOPE **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 394741.30N/1044751.50W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MILE HIGH	DVV	VORTAC	H	225.27	233.27	10.00	10.00		14000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
MILE HIGH (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	POWDR	1		KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED FIX USE
UPDATED FAC 1 MAG BRG FROM 222.27 TO 225.27
REMOVED FAC 2
REMOVED INT FROM FIX TYPE
FIX MOVED 2.17FT, COORDINATES REVISED

DEVELOPED BY: **DATE:** 01/27/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: GRAND JUNCTION VOR/DME **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 390334.44N/1084733.27W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	GRAND JUNCTION	JNC	VOR/DME	H							45000

FIX RESTRICTIONS:
MCA V187 10700 SOUTHBOUND
MCA V391 10700 SOUTHBOUND

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	JNC	VOR/DME	232.32	052.32	L	1-1 1/2		10000	45000	9	29
2	W	JNC	VOR/DME	255.00	075.00	L	1		10000	12000	9	9
3	W		WP	257.00	077.00	L		7	9000	12000	10	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	385000.30N/1084629.60W	9920	6C
1	230	AAO	385512.00N/1085830.00W	7930	4E
2	230	TOWER (08-000494)	390356.00N/1084454.00W	7476	5E
2	310	AAO	385451.00N/1084354.00W	8970	4E
3	230	TOWER (08-000494)	390356.00N/1084454.00W	7476	5E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	230	370
1	230	242
2	230	216
2	310	309
3	230	223

REASON FOR NONSTANDARD HOLDING:
PAT 3 TERRAIN
PAT 1 TERRAIN
PAT 2 TERRAIN

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 12000

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LDA/DME RWY 29	KGJT	GRAND JUNCTION	CO (US)
2	MONUMENT	KGJT	GRAND JUNCTION	CO (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	PITKN (RNAV)			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	DENVER			KFTG	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND JUNCTION		2	KGJT	GRAND JUNCTION	CO (US)
DP	GRAND MESA		2	KGJT	GRAND JUNCTION	CO (US)
DP	MONUMENT		2	KGJT	GRAND JUNCTION	CO (US)
DP	NOKXI (RNAV)			KGJT	GRAND JUNCTION	CO (US)
DP	RHONE (RNAV)		3	KGJT	GRAND JUNCTION	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	BRICK			KMTJ	MONTROSE	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	SALT LAKE			KSLC	SALT LAKE CITY	UT (US)
EN ROUTE	J12					(US)
EN ROUTE	J15					(US)
EN ROUTE	J80					(US)
EN ROUTE	V134					(US)

QUALITY 6 CHECKED

EN ROUTE	V187					(US)
EN ROUTE	V220					(US)
EN ROUTE	V26					(US)
EN ROUTE	V382					(US)
EN ROUTE	V391					(US)
EN ROUTE	V484					(US)
EN ROUTE	V591					(US)
EN ROUTE	V8					(US)
IAP	ILS OR LOC RWY 11	1		KGJT	GRAND JUNCTION	CO (US)
IAP	LDA/DME RWY 29	1	1	KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (GPS) RWY 29			KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (GPS) Y RWY 11			KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (RNP) Z RWY 11		3	KGJT	GRAND JUNCTION	CO (US)
IAP	TAKE-OFF MINIMUMS			KGJT	GRAND JUNCTION	CO (US)
IAP	ILS OR LOC/DME RWY 17			KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) Y RWY 8			KRIL	RIFLE	CO (US)
IAP	RNAV (GPS) Z RWY 8			KRIL	RIFLE	CO (US)
IAP	VOR-A			KCNY	MOAB	UT (US)
STAR	POWDR			KDEN	DENVER	CO (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, AREA, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 19 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
1. MODIFIED PAT 3 MINIMUM HOLDING ALTITUDE FROM 10000 TO 9000.
2. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/12/2011 **OFFICE:** AJV-354 **NAME:** ROY CURRIE

APPROVED BY: **DATE:** 07/12/2011 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN ATCT, GJT ATCT
OTHER:

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: RED TABLE VOR/DME **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 392621.64N/1065340.85W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	RED TABLE	DBL	VOR/DME	H							45000

FIX RESTRICTIONS:
SPECIAL GLENO-ONE (RNP), KASE, ASPEN, CO
SPECIAL RNAV (GPS) Z RWY 15, KASE, ASPEN, CO
SPECIAL LOC/DME RWY 15, KASE, ASPEN, CO

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	DBL	VOR/DME	344.00	164.00	R	1-1 1/2		14000	29000	10	22

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	392506.00N/1064648.00W	11979	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	375

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	GLENO-ONE (RNP)			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	SARDD (OBSTACLE)			KASE	ASPEN	CO (US)
DP	TAKE-OFF MINIMUMS			KASE	ASPEN	CO (US)
DP	ROCKIES			KBKF	AURORA	CO (US)
DP	SPRINGS			KCOS	COLORADO SPRINGS	CO (US)
DP	ROCKIES		1	KAPA	DENVER	CO (US)
DP	ROCKIES		1	KBJC	DENVER	CO (US)
DP	ROCKIES		1	KDEN	DENVER	CO (US)
DP	ROCKIES		1	KFTG	DENVER	CO (US)
DP	GYPSUM			KEGE	EAGLE	CO (US)
DP	MEEKER			KEGE	EAGLE	CO (US)
DP	TAKE-OFF MINIMUMS			KEGE	EAGLE	CO (US)
DP	ROCKIES		1	KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND JUNCTION			KGJT	GRAND JUNCTION	CO (US)
DP	GRAND MESA			KGJT	GRAND JUNCTION	CO (US)
DP	ROCKIES		1	KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	UYRIG (RNAV) DP			KRIL	RIFLE	CO (US)
EN ROUTE	J206					(US)
EN ROUTE	J60					(US)
EN ROUTE	J80					(US)
EN ROUTE	V108					(US)
EN ROUTE	V134					(US)
EN ROUTE	V356					(US)
EN ROUTE	V361					(US)
EN ROUTE	V421					(US)
IAP	LOC/DME RWY 15			KASE	ASPEN	CO (US)
IAP	LOC/DME-E			KASE	ASPEN	CO (US)
IAP	RNAV (GPS) Z RWY 15			KASE	ASPEN	CO (US)
IAP	ROARING FORK VISUAL RWY 15			KASE	ASPEN	CO (US)
IAP	VOR/DME OR GPS-C		1	KASE	ASPEN	CO (US)
IAP	ILS RWY 26			KRIL	RIFLE	CO (US)
IAP	LOC/DME-A			KRIL	RIFLE	CO (US)
IAP	RNAV (GPS) Z RWY 26			KRIL	RIFLE	CO (US)
IAP	RNAV (RNP) Y RWY 26			KRIL	RIFLE	CO (US)
STAR	LARKS			KDEN	DENVER	CO (US)
STAR	POWDR			KDEN	DENVER	CO (US)

QUALITY 6 CHECKED

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 11/18/2010

REASON FOR REVISION:
UPDATED FIX USE
REMOVED ESV DATA

DEVELOPED BY:	**DATE:** 06/23/2010	**OFFICE:** AVN-130	**NAME:** CHARLES SCHNEIDER
APPROVED BY:	**DATE:**	**OFFICE:** AVN-130	**NAME:** DEZ SILAGYI
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: ASE, DEN APP CON
OTHER: