3. Quick Reference Record Charts

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The following charts show each specific record broken down by character. The top line indicates the character position. The middle line shows a box **9** for each character. The third line gives the field name. Note that blank spaces are designated by a **=**. Large fields will be designated in the second and third lines with '...' to show many characters. For example, a field with from column 20 to column 45 will be represented in line 1 as 20 ... 45 and in line 2 the boxes will be represented by **9** ... **9**. For the ease of the diagram, blank spaces between the Existence Flags are implied.

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Airport Records

A000 - Airport Identification Record

```
1    4   5      10  11     16  17  18   21  22  23  32  33  34  37  38  93  94  98  100 102
9999 9 999999 999999 9 9999 9 9...9 9 9...9 9...9 9 9 9 9
ID Code  OC Number  OC Edition  =  Airport ID  =  Site ID  =  Prev.  =  Existence Flags
                                                            Airport ID
```

A010 - Airport Name

```
1    4   5   6   75  76  77  78                88  89  93  94  96
9999 9 9...9 999 99999999999 9...9 9 9
ID Code  =  Name  =  Verified Date  =  Existence Flags
```

A020 - Airport Jurisdiction

```
1    4   5   6   45  46  47  66  89  93  94  96
9999 9 9...9 9 9...9 9...9 9 9
ID Code  =  City  =  State  =  Existence Flags
```

A030 - Airport Magnetic Declination

1 4	5 12	13	14 24	25 93	94	96
9999	9999999	9	999999999999	9...9	9	9
ID Code	Magnetic Declin.	=	Verified Date	=	Existence Flags	

A040 - Airport Status

1 4	5	6 7	8 18	19	20 30	31	32 42	43	44 54	55	56 66	67 93	94	96	98	100	102	104
9999	9	99	9...9	9	9...9	9	9...9	9	9...9	9	9...9	9...9	9	9	9	9	9	9
ID Code	Vess. Code	=	Verified Date	=	Survey Date	=	Published Date	=	Date of ALP	=	Date of ARP	=	Existence Flags					

A050 - Datum Tie

1 4	5	6 7	8	9 10	11	12 13	14	15 25	26	27 37	38	39 49	50 93	94	96	98	100	102	104
9999	9	99	9	99	9	99	9	9...9	9	9...9	9	9...9	9...9	9	9	9	9	9	9
ID Code	=	Horiz. Datum Tie Code	=	Ellips. Datum Tie Code	=	Ortho. Datum Tie Code	=	Date of Horiz. Datum Tie	=	Date of Ellips. Datum Tie	=	Date of Ortho. Datum Tie	=	Existence Flags					

A060 - Airport Elevation

1 4	5 34	35 49	50 64	65 93	94	96
9999	9...9	9...9	9...9	9...9	9	9
ID Code	=	Airport Elevation Ortho.	Geoid Height	=	Existence Flags	

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A070 - Reported Elements Record

1–4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	93	94–108
9999	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9...9	9...9
ID Code	=	Runway Reported Flag	=	Navaids Reported Flag	=	ASOS Reported Flag	=	Obstructions Reported Flag	=	STARS Reported Flag	=	Add Flag	=	Add Flag	=	Add Flag	=		Existence Flags

A080 - Air Traffic Control Tower Floor Elevation - indexed

1–4	5	6–9	35–49	50–64	65–77	78–88	89–91	92	93	94–96	98	100
9999	9	9999	9...9	9...9	9...9	99999999999	9...9	9	9	9	9	9
ID Code	=	Sequential Point	Elevation Ortho.	Elevation Ellips.	=	Verified Date	Src Code Elevation	=	=	Existence Flags		

A310 - Airport Reference System

1–4	5–9	10–14	15–19	20–24	25–29	30–34	35–93	94–96	98	100	102	104
9999	99999	99999	99999	99999	99999	99999	9...9	9	9	9	9	9
ID Code	Reference System Code	Zone Code	Horizontal Unit Code	Horizontal Datum Code	Vertical Unit Code	Vertical Datum Code	=	Existence Flags				

A710 - Airport Location Point

1–4	5–19	20–34	35–93	94	96
9999	999999999999999	999999999999999	9...9	9	9
ID Code	Latitude	Longitude	=	Existence Flags	

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A910 - Air Traffic Control Tower

1	4	5	34	35	49	50	64	65	77	78	88	89	91	92	93	94	96	98	100
9999		9...9		9...9		9...9		9...9		99999999999		9...9		9	9	9	9	9	9
ID Code		=		Elevation Ortho.		Elevation Ellips.		=		Verified Date		Src Code Elevation		=	=	Existence Flags			

Runway Records

R000 - Runway Identification

1	4	5	8	9	12	13	93	94	96
9999		9999		9999		9...9		9	9
ID Code		Low End ID Number		High End ID Number		=		Existence Flags	

R810 - Runway Width

1	4	5	19	20	77	78	88	89	90	91	93	94	96	98
9999		9...9		9...9		99999999999		9	9	9...9		9	9	9
ID Code		Width		=		Verified Date		=	Src Code Value	=		Existence Flags		

R010 - Runway Type

1	4	5	6	7	8	18	19	93	94	96
9999		9	9	9	99999999999		9...9		9	9
ID Code		=	Rwy Type Code	=	Verified Date		=		Existence Flags	

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R02* - Runway Flags

1	4	5	6	8	9	10	12	13	14	15	16	26	27	28	29	30	31	32	33	34	35	93	94	108
9999		9	999		9	999		9	9	9	9...9		9	9	9	9	9	9	9	9	9...9		9...9	
ID Code		=	Primary Condition		=	Suppl. Condition		=	Rwy Vessel Code	=	Runway Vessel Det. Date		=	Ana Flag Code	=	EOD Flag Code	=	AOC Flag Code	=	Profile Method Flag Code	=		Existence Flags	

R40* - Runway End Position

1	4	5	19	20	34	35	49	50	64	65	66	76	77	78	88	89	90	91	92	93	94	108
9999		9...9		9...9		9...9		9...9		9	9...9		9	9...9		9	9	9	9	9	9...9	
ID Code		Longitude		Latitude		Elevation Ortho.		Elevation Ellips.		=	Det. Date		=	Ver. Date		=	Src Horiz. Position	=	Src Vert. Position	=	Existence Flags	

R41* - Displaced Threshold - by position

1	4	5	19	20	34	35	49	50	64	65	66	76	77	78	88	89	90	91	92	93	94	108
9999		9...9		9...9		9...9		9...9		9	9...9		9	9...9		9	9	9	9	9	9...9	
ID Code		Longitude		Latitude		Elevation Ortho.		Elevation Ellips.		=	Det. Date		=	Ver. Date		=	Src	=	Src Horiz. Position	=	Vert. Position	Existence Flags

R51* - Displaced Threshold - by distance

1	4	5	19	20	34	35	49	50	64	65	66	76	77	78	88	89	90	91	92	93	94	96	98	100	102	104	106
9999		9...9		9...9		9...9		9...9		9	9...9		9	9...9		9	9	9	9	9	9	9	9	9	9	9	9
ID Code		Distance		=		Elevation Ortho.		Elevation Ellips.		=	Det. Date		=	Ver. Date		=	Src	=	Src Horiz. Position	=	Vert. Position	Existence Flags					

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R72* - Stopway - by position

1	4	5	19	20	34	35	93	94	96
9999	9999999999999999			9999999999999999		=	9...9	9	9
ID Code	Latitude			Longitude				Existence Flags	

R62* - Stopway - by length

1	4	5	19	20	34	35	65	66	76	77	78	88	89	90	91	92	93	94	96	98	100	102	104
9999	9...9	9...9	9...9	9...9	9	9...9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
ID Code	Distance	Width	=	Det. Date	=	Ver. Date	=	Src Code Distance	=	Src Code Width	=	Existence Flags											

R73* - Blastpad - by position

1	4	5	19	20	34	35	93	94	96
9999	9999999999999999			9999999999999999		=	9...9	9	9
ID Code	Latitude			Longitude				Existence Flags	

R63* - Blastpad - by Distance

1	4	5	19	20	34	35	65	66	76	77	78	88	89	90	91	92	93	94	96	98	100	102	104
9999	9...9	9...9	9...9	9...9	9	9...9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
ID Code	Distance	Width	= .	Det. Date	=	Ver. Date	=	Src Code Distance	=	Src Code Width	=	Existence Flags											

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R74* - Distance to Boundary - by position

1 4	5 19	20 34	35 93	94	96
9999	9999999999999999	9999999999999999	9...9	9	9
ID Code	Latitude	Longitude	=	Existence Flags	

R84* - Distance to Boundary - by distance

1 4	5 19	20 77	78 88	89	90	91 93	94	96	98
9999	9...9	9...9	99999999999	9	9	9...9	9	9	9
ID Code	Width	=	Verified Date	=	Src Code	= Value	Existence Flags		

R090 - Profile Point Status

1 4	5	6 8	9	10	11 93	94	96
9999	9	999	9	9	9...9	9	9
ID Code	=	Runway ID Num.	=	PP Type Code	=	Existence Flags	

R490 - Profile Point - by position

1 4	5 19	20 34	35 49	50 64	65	66 76	77	78 88	89	90	91	92	93	94 108
9999	9...9	9...9	9...9	9...9	9	9...9	9	9...9	9	9	9	9	9	9...9
ID Code	Longitude	Latitude	Elevation Ortho.	Elevation Ellips.	=	Det. Date	=	Ver. Date	=	Src	= Horiz. Position	Src	= Vert. Position	Existence Flags

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R590 - Profile Point - by distance

1	4	5	19	20	34	35	49	50	64	65	66	76	77	78	88	89	90	91	92	93	94	106
9999		9...9		9...9		9...9		9...9		9	9...9		9	9...9		9	9	9	9	9	9...9	
ID Code		Distance		=		Elevation Ortho.		Elevation Ellips.		=	Det. Date		=	Ver. Date		=	Src	= Horiz. Position	Src	= Vert. Position	Existence Flags	

Feature Records

F000 - Feature Identification

1	4	5	6	9	10	11	50	51	93	94	96
9999		9	9999		9	9...9		9...9		9	9
ID Code		=	Sequential Point Number		=	Feature Description		=		Existence Flags	

F010 - Feature Status

1	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	23	24	93	94	96	98	100	102	104	106
9999		9	9	9	9...9		9	9	9	9	9	9	9	9	9	9...9		9...9		9	9	9	9	9	9	9
ID Code		=	Fea. Status Flag	=	Accuracy Code		=	Point Survey Status	=	Control Type	=	Navaid Type	=	Special Attrib.	=	Survey Type		=	Existence Flags							

F410 - Feature Position

1	4	5	19	20	34	35	49	50	64	65	66	76	77	78	88	89	90	91	92	93	94	108
9999		9...9		9...9		9...9		9...9		9	9...9		9	9...9		9	9	9	9	9	9...9	
ID Code		Longitude		Latitude		Elevation Ortho.		Elevation Ellips.		=	Det. Date		=	Ver. Date		=	Src	= Horiz. Position	Src	= Vert. Position	Existence Flags	

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F020 - Reference Base Elevation

1	4	5	34	35	49	50	64	65	91	92	93	94	96	98
9999		9...9		9...9		9...9		9...9		9	9	9	9	9
ID Code		=		Elevation Ortho.		Elevation Ellips.		=		Src Code	=	Existence Flags		

F030 - Auxiliary Date

1	4	5	6	16	17	93	94
9999		9	99999999999		9...9		9
ID Code		=	Auxiliary Date		=		Existence Flags

F040 - Feature Cross-Reference Record

1	4	5	6	9	10	11	57	58	59	61	62	63	77	92	93	94	96	98	100	102
9999		9	9999		9	9...9		9	999		9	9...9		9	9	9	9	9	9	9
ID Code		=	Facility ID	.	=	Runway End IDs		=	Usage Status Code		=	Z Elev Offset		Src Code	=	Existence Flags				

F050 - Feature Comment Record

1	4	5	6	85	86	93	94
9999		9	99999999999		9...9		9
ID Code		=	Comment		=		Existence Flags

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Miscellaneous Records

C310 - Airport Reference System

1 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	35 – 93	94	96	98	100	102	104
9999	99999	99999	99999	99999	99999	99999	9…9	9	9	9	9	9	9
ID Code	Reference System Code	Zone Code	Horizontal Unit Code	Horizontal Datum Code	Vertical Unit Code	Vertical Datum Code	=	Existence Flags					

C010 - NGVD29 to NAVD88 Conversion Factor

1 – 4	5	6 – 12	13 – 93	94
9999	9	999999	9…9	9
ID Code	=	Conversion Factor	=	Existence Flags

V000 - Version Number Record

1 – 4	5	6 – 12	14 – 24	23 – 93	94	96
9999	9	99999	9…9	9…9	9	9
ID Code	=	Exchange File Version	Version Date	=	Existence Flags	

T000 - Task Status Record

1 – 4	5	6	7	8 – 27	28	29 – 39	40	41 – 51	52 – 93	94	96	98	100
9999	9	9	9	9…9	9	9…9	9	9…9	9…9	9	9	9	9
ID Code	=	Task Code	=	User	=	Date Started	=	Date Completed	=	Existence Flags			

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L000 - List Record

1 4	5 7	8 11	12	13	14 15	16	17	18 29	30 93	94	96	98
9999	9...9	9999	9	9	99	9	9	9...9	9...9	9	9	9
ID Code	=	Record ID	=	=	Field Number	=	=	List File Name	=	Existence Flags		

X000 - End of File Record

1 4
9999
ID Code

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