

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AF7103 *****
AF7103 DESIGNATION - OSC 1 FLDNR
AF7103 PID - AF7103
AF7103 STATE/COUNTY- FL/OSCEOLA
AF7103 COUNTRY - US
AF7103 USGS QUAD - LAKE MARIAN NW (1972)
AF7103
AF7103 *CURRENT SURVEY CONTROL
AF7103
AF7103* NAD 83(2011) POSITION- 27 59 38.54521(N) 081 10 34.97841(W) ADJUSTED
AF7103* NAD 83(2011) ELLIP HT- -4.572 (meters) (06/27/12) ADJUSTED
AF7103* NAD 83(2011) EPOCH - 2010.00
AF7103* NAVD 88 ORTHO HEIGHT - 22.984 (meters) 75.41 (feet) ADJUSTED
AF7103
AF7103 NAD 83(2011) X - 864,527.863 (meters) COMP
AF7103 NAD 83(2011) Y - -5,569,324.864 (meters) COMP
AF7103 NAD 83(2011) Z - 2,975,919.976 (meters) COMP
AF7103 LAPLACE CORR - -1.10 (seconds) DEFLEC12B
AF7103 GEOID HEIGHT - -27.565 (meters) GEOID12B
AF7103 DYNAMIC HEIGHT - 22.950 (meters) 75.30 (feet) COMP
AF7103 MODELED GRAVITY - 979,146.9 (mgal) NAVD 88
AF7103
AF7103 VERT ORDER - SECOND CLASS II
AF7103
AF7103 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AF7103 Standards:
AF7103 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AF7103 Horiz Ellip SD_N SD_E SD_h (unitless)
AF7103 -----
AF7103 NETWORK 1.14 1.59 0.41 0.51 0.81 -0.04752022
AF7103 -----
AF7103 Click here for local accuracies and other accuracy information.
AF7103
AF7103
AF7103.The horizontal coordinates were established by GPS observations
AF7103.and adjusted by the National Geodetic Survey in June 2012.
AF7103
AF7103.NAD 83(2011) refers to NAD 83 coordinates where the reference
AF7103.frame has been affixed to the stable North American tectonic plate. See
AF7103.NA2011 for more information.
AF7103
AF7103.The horizontal coordinates are valid at the epoch date displayed above
AF7103.which is a decimal equivalence of Year/Month/Day.
AF7103
AF7103.The orthometric height was determined by differential leveling and
AF7103.adjusted by the NATIONAL GEODETIC SURVEY
AF7103.in June 1991.
AF7103
AF7103.Significant digits in the geoid height do not necessarily reflect accuracy.
AF7103.GEOID12B height accuracy estimate available here.
AF7103
AF7103.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AF7103
AF7103.The Laplace correction was computed from DEFLEC12B derived deflections.
AF7103

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AF7103.The ellipsoidal height was determined by GPS observations
AF7103.and is referenced to NAD 83.

AF7103

AF7103.The dynamic height is computed by dividing the NAVD 88
AF7103.geopotential number by the normal gravity value computed on the
AF7103.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AF7103.degrees latitude (g = 980.6199 gals.).

AF7103

AF7103.The modeled gravity was interpolated from observed gravity values.

AF7103

AF7103. The following values were computed from the NAD 83(2011) position.

AF7103

AF7103;	North	East	Units	Scale	Factor	Converg.
AF7103;SPC FL E	- 405,561.113	182,650.700	MT	0.99994489	-0 04	58.0
AF7103;SPC FL E	- 1,330,578.42	599,246.50	sFT	0.99994489	-0 04	58.0
AF7103;UTM 17	- 3,096,554.719	482,656.620	MT	0.99960371	-0 04	58.0

AF7103

AF7103!	Elev Factor	x	Scale Factor	=	Combined Factor
AF7103!SPC FL E	- 1.00000072	x	0.99994489	=	0.99994561
AF7103!UTM 17	- 1.00000072	x	0.99960371	=	0.99960443

AF7103

SUPERSEDED SURVEY CONTROL

AF7103

AF7103	NAD 83(2007)-	27 59	38.54541(N)	081 10	34.97965(W)	AD(2002.00)	0
AF7103	ELLIP H (02/10/07)		-4.579 (m)			GP(2002.00)	
AF7103	NAD 83(1999)-	27 59	38.54536(N)	081 10	34.97932(W)	AD()	1
AF7103	ELLIP H (01/28/04)		-4.578 (m)			GP()	3 1
AF7103	NAVD 88 (01/28/04)		22.98 (m)		75.4 (f)	LEVELING	3
AF7103	NGVD 29 (09/01/92)		23.353 (m)		76.62 (f)	ADJUSTED	2 2

AF7103

AF7103.Superseded values are not recommended for survey control.

AF7103

AF7103.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AF7103.[See file dsdata.txt](#) to determine how the superseded data were derived.

AF7103

AF7103_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML8265696554(NAD 83)

AF7103

AF7103_MARKER: DB = BENCH MARK DISK

AF7103_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AF7103_STAMPING: OSC 1 1983 BSM

AF7103_MARK LOGO: FLDNR

AF7103_PROJECTION: FLUSH

AF7103_MAGNETIC: O = OTHER; SEE DESCRIPTION

AF7103_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AF7103+STABILITY: SURFACE MOTION

AF7103_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AF7103+SATELLITE: SATELLITE OBSERVATIONS - March 06, 2005

AF7103

AF7103	HISTORY	- Date	Condition	Report By
AF7103	HISTORY	- 1983	MONUMENTED	FLDNR
AF7103	HISTORY	- 20030429	GOOD	FLDEP
AF7103	HISTORY	- 20050306	GOOD	GEOCAC

AF7103

STATION DESCRIPTION

AF7103

AF7103'DESCRIBED BY FL DEPT OF NAT RES 1983

AF7103'14.75 MI WNW FROM KENANSVILLE.

AF7103'BEGIN AT THE INTERSECTION OF U.S. HIGHWAY 441 AND STATE ROAD 523

AF7103'(CANOE CREEK ROAD) IN KENANSVILLE, GO 14.75 MILES NORTH AND WEST

AF7103'ALONG STATE ROAD 523 TO THE

AF7103'INTERSECTION OF JOE OVERSTREET ROAD AND THE MARK. THE MARK BEARS

AF7103'26.0 FEET SOUTHEAST OF THE CENTERLINE OF JOE OVERSTREET ROAD, 48.0

AF7103'FEET SOUTHWEST OF THE CENTERLINE OF STATE ROAD 523, 8.1 FEET

AF7103'SOUTHEAST OF A STOP SIGN/STREET SIGN, AND 2.0 FEET EAST OF A CORNER

AF7103'FENCE POST WITH A WITNESS SIGN ATTACHED.

AF7103'THE MARK IS 0.2 FT BELOW GROUND.

AF7103

AF7103

STATION RECOVERY (2003)

AF7103

AF7103'RECOVERY NOTE BY FL DEPT OF ENV PRO 2003 (BPJ)

AF7103'THE MARK IS ABOUT 18.0 MI SOUTH-SOUTHEAST OF ST. CLOUD IN SECTION 1,

AF7103'TOWNSHIP 29 SOUTH,

AF7103'RANGE 31 EAST.

AF7103'

AF7103'TO REACH THE MARK FROM THE INTERSECTION OF THE FLORIDA TURNPIKE (STATE

AF7103'ROAD 91)

AF7103'UNDERPASS AND STATE ROAD 523, ABOUT 11.0 MI SOUTH OF ST. CLOUD, GO

AF7103'SOUTHEAST ON STATE ROAD 523(CANOE CREEK ROAD) FOR 8.0 MI TO THE

AF7103'JUNCTION OF JOE OVERSTREET ROAD ON THE RIGHT AND THE MARK ON THE

AF7103'RIGHT, SET IN THE TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH THE

AF7103'GROUND AND ABOUT 1.0 FT BELOW THE LEVEL OF JOE OVERSTREET ROAD.

AF7103'

AF7103'LOCATED 47.7 FT WEST-SOUTHWEST OF THE APPROXIMATE CENTERLINE OF STATE

AF7103'ROAD 523, 28.8 FT SOUTHEAST OF THE APPROXIMATE CENTERLINE OF JOE

AF7103'OVERSTREET ROAD, 10.2 FT SOUTH OF A STOP SIGN, 2.5 FT NORTHWEST OF A

AF7103'CARSONITE WITNESS POST, 1.8 FT SOUTH OF A WOODEN FENCE CORNER POST AND

AF7103'1.5 FT SOUTH-SOUTHWEST OF A CARSONITE WITNESS POST.

AF7103'

AF7103'NOTE UNKNOWN MAGNETISM.

AF7103

AF7103

STATION RECOVERY (2005)

AF7103

AF7103'RECOVERY NOTE BY GEOCACHING 2005 (MAG)

AF7103'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AF7643 *****
AF7643 DESIGNATION - K 113
AF7643 PID - AF7643
AF7643 STATE/COUNTY- FL/POLK
AF7643 COUNTRY - US
AF7643 USGS QUAD - LAKE WEOHYAKAPKA SE (1993)
AF7643
AF7643 *CURRENT SURVEY CONTROL
AF7643
AF7643* NAD 83(2011) POSITION- 27 48 20.62130(N) 081 15 57.92713(W) ADJUSTED
AF7643* NAD 83(2011) ELLIP HT- -8.104 (meters) (06/27/12) ADJUSTED
AF7643* NAD 83(2011) EPOCH - 2010.00
AF7643* NAVD 88 ORTHO HEIGHT - 18.8 (meters) 62. (feet) VERTCON
AF7643
AF7643 GEOID HEIGHT - -26.914 (meters) GEOID12B
AF7643 NAD 83(2011) X - 857,289.198 (meters) COMP
AF7643 NAD 83(2011) Y - -5,580,320.184 (meters) COMP
AF7643 NAD 83(2011) Z - 2,957,475.599 (meters) COMP
AF7643 LAPLACE CORR - -0.39 (seconds) DEFLEC12B
AF7643
AF7643 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AF7643 Standards:
AF7643 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AF7643 Horiz Ellip SD_N SD_E SD_h (unitless)
AF7643 -----
AF7643 NETWORK 1.70 2.20 0.64 0.70 1.12 0.48421491
AF7643 -----
AF7643 Click here for local accuracies and other accuracy information.
AF7643
AF7643
AF7643.The horizontal coordinates were established by GPS observations
AF7643.and adjusted by the National Geodetic Survey in June 2012.
AF7643
AF7643.NAD 83(2011) refers to NAD 83 coordinates where the reference
AF7643.frame has been affixed to the stable North American tectonic plate. See
AF7643.NA2011 for more information.
AF7643
AF7643.The horizontal coordinates are valid at the epoch date displayed above
AF7643.which is a decimal equivalence of Year/Month/Day.
AF7643
AF7643.The NAVD 88 height was computed by applying the VERTCON shift value to
AF7643.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
AF7643
AF7643.Significant digits in the geoid height do not necessarily reflect accuracy.
AF7643.GEOID12B height accuracy estimate available here.
AF7643
AF7643.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AF7643
AF7643.The Laplace correction was computed from DEFLEC12B derived deflections.
AF7643
AF7643.The ellipsoidal height was determined by GPS observations
AF7643.and is referenced to NAD 83.
AF7643
AF7643. The following values were computed from the NAD 83(2011) position.
AF7643

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	North	East	Units	Scale Factor	Converg.
AF7643;					
AF7643;SPC FL E	- 384,709.855	173,781.504	MT	0.99994966	-0 07 26.9
AF7643;SPC FL E	- 1,262,168.92	570,148.15	sFT	0.99994966	-0 07 26.9
AF7643;SPC FL W	- 384,897.508	272,314.595	MT	1.00000570	+0 20 32.5
AF7643;SPC FL W	- 1,262,784.57	893,418.80	sFT	1.00000570	+0 20 32.5
AF7643;UTM 17	- 3,075,710.575	473,790.450	MT	0.99960848	-0 07 26.9
AF7643					
AF7643!	- Elev Factor	x Scale Factor	=	Combined Factor	
AF7643!SPC FL E	- 1.00000127	x 0.99994966	=	0.99995093	
AF7643!SPC FL W	- 1.00000127	x 1.00000570	=	1.00000697	
AF7643!UTM 17	- 1.00000127	x 0.99960848	=	0.99960975	

AF7643

AF7643

SUPERSEDED SURVEY CONTROL

AF7643

AF7643	NAD 83(2007)-	27 48 20.62149(N)	081 15 57.92797(W)	AD(2002.00)	0
AF7643	ELLIP H (02/10/07)	-8.100 (m)		GP(2002.00)	
AF7643	NAD 83(1999)-	27 48 20.62118(N)	081 15 57.92779(W)	AD()	2
AF7643	ELLIP H (07/06/01)	-8.050 (m)		GP()	4 2
AF7643	NAD 83(1990)-	27 48 20.62124(N)	081 15 57.92771(W)	AD()	2
AF7643	ELLIP H (12/04/92)	-8.052 (m)		GP()	3 2
AF7643	NGVD 29 (12/04/92)	19.1 (m)	GEOID90 model used	GPS OBS	

AF7643

AF7643.Superseded values are not recommended for survey control.

AF7643

AF7643.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AF7643.[See file dsdata.txt](#) to determine how the superseded data were derived.

AF7643

AF7643_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML7379075710(NAD 83)

AF7643

AF7643_MARKER: I = METAL ROD

AF7643_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)

AF7643_STAMPING: K113 1991

AF7643_MARK LOGO: NGS

AF7643_PROJECTION: RECESSED 30 CENTIMETERS

AF7643_MAGNETIC: N = NO MAGNETIC MATERIAL

AF7643_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AF7643_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AF7643+SATELLITE: SATELLITE OBSERVATIONS - January 18, 2001

AF7643_ROD/PIPE-DEPTH: 14.3 meters

AF7643

AF7643 HISTORY - Date Condition Report By

AF7643 HISTORY - 1991 MONUMENTED KEISCH

AF7643 HISTORY - 19970210 GOOD USPSQD

AF7643 HISTORY - 20010118 MARK NOT FOUND FLDEP

AF7643 HISTORY - 20070414 MARK NOT FOUND FLDEP

AF7643 HISTORY - 20110309 GOOD FL-105

AF7643

AF7643

STATION DESCRIPTION

AF7643

AF7643'DESCRIBED BY KEITH AND SCHNARS - LAKELAND 1991

AF7643'THE STATION IS LOCATED 20 MI (32.2 KM) SOUTHEAST OF LAKE WALES AND 2.7

AF7643'MI (4.3 KM) EAST OF INDIAN LAKE ESTATES IN THE NORTH RIGHT-OF-WAY OF

AF7643'S.R. 60 NEAR THE SOUTHEAST CORNER OF SECTION 1, TOWNSHIP 31 SOUTH,

AF7643'RANGE 30 EAST, POLK COUNTY, FLORIDA.

AF7643'TO REACH THE STATION FROM THE INTERSECTION OF S.R. 60 AND C.R. 630

AF7643'EAST OF INDIAN LAKE ESTATES, GO EAST ON S.R. 60 FOR 2.9 MI (4.7 KM)

AF7643'TO THE STATION IN THE NORTH RIGHT-OF-WAY. THE STATION LIES SOUTH OF

AF7643'THE FLYING EAGLE SHINER RANCH, 8.5 FT (2.6 M) NORTH OF THE NORTH EDGE

AF7643'OF PAVEMENT, 95 FT (29.0 M) NORTH NORTHWEST OF A POWER POLE (NUMBER

AF7643'147) LOCATED ON THE SOUTH SIDE OF ROAD, AND 35 FT (10.7 M) SOUTHEAST

AF7643'OF A BARBWIRE FENCE CORNER. ACCESS TO DATUM POINT--THE STATION IS

AF7643'RECESSED 1.0 FT (0.3 M) BELOW GROUND INSIDE A NGS LOGO CAP WHICH IS

AF7643'MOUNTED ON A 5 1/4 INCH DIAMETER PVC PIPE SET IN A CONCRETE COLLAR.

AF7643'REFERENCES--

AF7643'KEITH AND SCHNARS NAIL AND DISC, SET AT EDGE OF PAVEMENT, SOUTH 57

AF7643'DEGREES WEST AT 26.37 FT (8.04 M).

AF7643'FOUND 4 INCH BY 4 INCH CONCRETE MONUMENT, NORTH 43 DEGREES WEST AT
AF7643'35.57 FT (10.84 M).
AF7643'KEITH AND SCHNARS REFERENCE CAP, SET ON 5/8 INCH IRON ROD, NORTH 53
AF7643'DEGREES EAST AT 56.26 FT (17.15 M).
AF7643'KEITH AND SCHNARS NAIL AND DISC, SET AT EDGE OF PAVEMENT, SOUTH 55
AF7643'DEGREES EAST AT 24.16 FT (7.36 M).
AF7643'SET CARSONITE WITNESS POST, NORTH 3 DEGREES WEST AT 23.41 FT (7.14 M)
AF7643
AF7643 STATION RECOVERY (1997)
AF7643
AF7643'RECOVERY NOTE BY US POWER SQUADRON 1997
AF7643'RECOVERED IN GOOD CONDITION.
AF7643
AF7643 STATION RECOVERY (2001)
AF7643
AF7643'RECOVERY NOTE BY FL DEPT OF ENV PRO 2001 (JLM)
AF7643'MARK NOT FOUND.
AF7643
AF7643 STATION RECOVERY (2007)
AF7643
AF7643'RECOVERY NOTE BY FL DEPT OF ENV PRO 2007 (BPJ)
AF7643'THE MARK WAS SEARCHED FOR BUT NOT FOUND.
AF7643
AF7643 STATION RECOVERY (2011)
AF7643
AF7643'RECOVERY NOTE BY POLK COUNTY FLORIDA 2011 (DL)
AF7643'RECOVERED IN GOOD CONDITION

*** retrieval complete.
Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
DL6642 *****
DL6642 DESIGNATION - Q 733
DL6642 PID - DL6642
DL6642 STATE/COUNTY- FL/OSCEOLA
DL6642 COUNTRY - US
DL6642 USGS QUAD - KISSIMMEE (1987)
DL6642
DL6642 *CURRENT SURVEY CONTROL
DL6642
DL6642* NAD 83(2011) POSITION- 28 17 42.09438(N) 081 26 10.41603(W) ADJUSTED
DL6642* NAD 83(2011) ELLIP HT- -4.378 (meters) (06/27/12) ADJUSTED
DL6642* NAD 83(2011) EPOCH - 2010.00
DL6642* NAVD 88 ORTHO HEIGHT - 23.415 (meters) 76.82 (feet) ADJUSTED
DL6642
DL6642 NAD 83(2011) X - 836,918.551 (meters) COMP
DL6642 NAD 83(2011) Y - -5,557,630.102 (meters) COMP
DL6642 NAD 83(2011) Z - 3,005,331.833 (meters) COMP
DL6642 LAPLACE CORR - -1.54 (seconds) DEFLEC12B
DL6642 GEOID HEIGHT - -27.782 (meters) GEOID12B
DL6642 DYNAMIC HEIGHT - 23.380 (meters) 76.71 (feet) COMP
DL6642 MODELED GRAVITY - 979,164.9 (mgal) NAVD 88
DL6642
DL6642 VERT ORDER - FIRST CLASS II
DL6642
DL6642 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
DL6642 Standards:
DL6642 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
DL6642 Horiz Ellip SD_N SD_E SD_h (unitless)
DL6642 -----
DL6642 NETWORK 0.45 1.16 0.19 0.18 0.59 -0.02357964
DL6642 -----
DL6642 Click here for local accuracies and other accuracy information.
DL6642
DL6642
DL6642.The horizontal coordinates were established by GPS observations
DL6642.and adjusted by the National Geodetic Survey in June 2012.
DL6642
DL6642.NAD 83(2011) refers to NAD 83 coordinates where the reference
DL6642.frame has been affixed to the stable North American tectonic plate. See
DL6642.NA2011 for more information.
DL6642
DL6642.The horizontal coordinates are valid at the epoch date displayed above
DL6642.which is a decimal equivalence of Year/Month/Day.
DL6642
DL6642.The orthometric height was determined by differential leveling and
DL6642.adjusted by the NATIONAL GEODETIC SURVEY
DL6642.in April 2010.
DL6642
DL6642.No vertical observational check was made to the station.
DL6642
DL6642.Significant digits in the geoid height do not necessarily reflect accuracy.
DL6642.GEOID12B height accuracy estimate available here.
DL6642
DL6642.The X, Y, and Z were computed from the position and the ellipsoidal ht.
DL6642

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DL6642.The Laplace correction was computed from DEFLEC12B derived deflections.

DL6642

DL6642.The ellipsoidal height was determined by GPS observations

DL6642.and is referenced to NAD 83.

DL6642

DL6642.The dynamic height is computed by dividing the NAVD 88

DL6642.geopotential number by the normal gravity value computed on the

DL6642.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

DL6642.degrees latitude (g = 980.6199 gals.).

DL6642

DL6642.The modeled gravity was interpolated from observed gravity values.

DL6642

DL6642. The following values were computed from the NAD 83(2011) position.

DL6642

DL6642;		North	East	Units	Scale Factor	Converg.
DL6642;SPC FL E	-	438,979.620	157,211.648	MT	0.99996376	-0 12 24.4
DL6642;SPC FL E	-	1,440,218.97	515,785.22	sFT	0.99996376	-0 12 24.4
DL6642;UTM 17	-	3,129,961.824	457,226.247	MT	0.99962258	-0 12 24.4

DL6642

DL6642! - Elev Factor x Scale Factor = Combined Factor

DL6642!SPC FL E - 1.00000069 x 0.99996376 = 0.99996445

DL6642!UTM 17 - 1.00000069 x 0.99962258 = 0.99962327

DL6642

DL6642: Primary Azimuth Mark

Grid Az

DL6642:SPC FL E - ISM C 108 22 12.4

DL6642:UTM 17 - ISM C 108 22 12.4

DL6642

DL6642	PID	Reference Object	Distance	Geod. Az
DL6642				ddmmss.s
DL6642	AE9521	ISM C	402.839 METERS	1080948.0
DL6642	AK6922	KISSPORT	266.361 METERS	23850

DL6642

DL6642

SUPERSEDED SURVEY CONTROL

DL6642

DL6642 NAD 83(2007)- 28 17 42.09448(N) 081 26 10.41684(W) AD(2002.00) B

DL6642 ELLIP H (04/05/10) -4.367 (m) GP(2002.00) 3 1

DL6642 NAVD 88 (04/05/10) 23.43 (m) 76.9 (f) LEVELING 3

DL6642

DL6642.Superseded values are not recommended for survey control.

DL6642

DL6642.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

DL6642.[See file dsdata.txt](#) to determine how the superseded data were derived.

DL6642

DL6642_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM5722629961(NAD 83)

DL6642

DL6642_MARKER: F = FLANGE-ENCASED ROD

DL6642_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)

DL6642_STAMPING: Q 733 2009

DL6642_MARK LOGO: NGS

DL6642_PROJECTION: FLUSH

DL6642_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

DL6642_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

DL6642_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DL6642+SATELLITE: SATELLITE OBSERVATIONS - March 11, 2014

DL6642_ROD/PIPE-DEPTH: 16.4 meters

DL6642

DL6642	HISTORY	- Date	Condition	Report By
DL6642	HISTORY	- 20090807	MONUMENTED	FLDEP
DL6642	HISTORY	- 20090903	GOOD	FLDEP
DL6642	HISTORY	- 20091001	GOOD	WOOLPT
DL6642	HISTORY	- 20140311	GOOD	USIMAG

DL6642

DL6642 STATION DESCRIPTION

DL6642

DL6642'DESCRIBED BY FL DEPT OF ENV PRO 2009
DL6642'THE MARK IS ABOUT 10.0 MI (16.1 KM) WEST-NORTHWEST OF SAINT CLOUD, 4.9
DL6642'MI (7.9 KM) EAST-NORTHEAST OF INTERCESSION CITY, 1.8 MI (2.9 KM) WEST
DL6642'OF KISSIMMEE, IN SECTION 20, TOWNSHIP 25 SOUTH, RANGE 29 EAST.
DL6642'
DL6642'TO REACH THE MARK FROM THE INTERSECTION OF JOHN YOUNG PARKWAY-U.S.
DL6642'HIGHWAY 423 AND THE SPACE COAST PARKWAY-U.S. HIGHWAY 192 (WEST VINE
DL6642'STREET) IN KISSIMMEE, GO WEST ON THE SPACE COAST PARKWAY-U.S. HIGHWAY
DL6642'192 (WEST VINE STREET) FOR 2.0 MI (3.2 KM) TO THE INTERSECTION OF DYER
DL6642'BOULEVARD, TURN LEFT ON DYER BOULEVARD AND GO SOUTH FOR 0.6 MI (1.0
DL6642'KM) TO THE KISSIMMEE AIRPORT ADMINISTRATION BUILDING ON THE LEFT AND
DL6642'THE MARK ON THE LEFT, A STAINLESS STEEL ROD DRIVEN TO REFUSAL AT A
DL6642'DEPTH OF 53.8 FT (16.4 M) WITH AN NGS LOGO CAP FLUSH WITH THE GROUND
DL6642'AND ABOUT 0.5 FT (0.2 M) ABOVE THE LEVEL OF THE PARKING LOT, THE DATUM
DL6642'POINT IS RECESSED 0.5 FT (0.15 M) BELOW THE LEVEL OF THE NGS LOGO CAP.
DL6642'LOCATED 180.0 FT (54.9 M) EAST OF THE APPROXIMATE CENTERLINE OF DYER
DL6642'BOULEVARD, 110.4 FT (33.6 M) NORTH-NORTHEAST OF THE NORTHWEST CORNER
DL6642'OF THE AIRPORT ADMINISTRATION BUILDING, 3.3 FT (1.0 M) WEST OF THE
DL6642'EAST PARKING LOT MEDIAN CURB, 2.9 FT (0.9 M) EAST OF THE WEST PARKING
DL6642'LOT MEDIAN CURB AND 1.6 FT (0.5 M) SOUTH OF A CARSONITE WITNESS POST.
DL6642'
DL6642'NOTE A MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.
DL6642'
DL6642'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH (13 CM) NGS
DL6642'LOGO CAP.
DL6642
DL6642 STATION RECOVERY (2009)
DL6642
DL6642'RECOVERY NOTE BY FL DEPT OF ENV PRO 2009 (BPJ)
DL6642'RECOVERED AS DESCRIBED IN L27307.
DL6642
DL6642 STATION RECOVERY (2009)
DL6642
DL6642'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2009 (MPB)
DL6642'RECOVERED IN GOOD CONDITION
DL6642
DL6642 STATION RECOVERY (2014)
DL6642
DL6642'RECOVERY NOTE BY US IMAGING INC 2014 (SC)
DL6642'RECOVERED AS DESCRIBED

*** retrieval complete.
Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AK6933 *****
AK6933 DESIGNATION -  FLGPS 44 AZ MK
AK6933 PID          -  AK6933
AK6933 STATE/COUNTY-  FL/OSCEOLA
AK6933 COUNTRY      -  US
AK6933 USGS QUAD    -  NARCOOSSEE SE (1988)
AK6933
AK6933                                *CURRENT SURVEY CONTROL
AK6933
AK6933* NAD 83(2011) POSITION- 28 16 30.22794(N) 081 00 11.59398(W) NO CHECK
AK6933* NAD 83(2011) ELLIP HT-   -8.048 (meters)                (06/27/12) NO CHECK
AK6933* NAD 83(2011) EPOCH   - 2010.00
AK6933* NAVD 88 ORTHO HEIGHT -   20.113 (meters)                65.99 (feet) ADJUSTED
AK6933
AK6933 NAD 83(2011) X   -   879,058.822 (meters)                COMP
AK6933 NAD 83(2011) Y   -  -5,552,178.799 (meters)                COMP
AK6933 NAD 83(2011) Z   -   3,003,381.881 (meters)                COMP
AK6933 LAPLACE CORR    -           -0.43 (seconds)                DEFLEC12B
AK6933 GEOID HEIGHT    -           -28.162 (meters)                GEOID12B
AK6933 DYNAMIC HEIGHT  -           20.083 (meters)                65.89 (feet) COMP
AK6933 MODELED GRAVITY -   979,172.9 (mgal)                NAVD 88
AK6933
AK6933 VERT ORDER      -  SECOND    CLASS I
AK6933
AK6933 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AK6933 Standards:
AK6933          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
AK6933          Horiz Ellip              SD_N   SD_E   SD_h          (unitless)
AK6933 -----
AK6933 NETWORK      2.19   2.14              0.80   0.91   1.09          0.53241472
AK6933 -----
AK6933 Click here for local accuracies and other accuracy information.
AK6933
AK6933
AK6933.The horizontal coordinates were established by GPS observations
AK6933.and adjusted by the National Geodetic Survey in June 2012.
AK6933
AK6933.NAD 83(2011) refers to NAD 83 coordinates where the reference
AK6933.frame has been affixed to the stable North American tectonic plate. See
AK6933.NA2011 for more information.
AK6933
AK6933.The horizontal coordinates are valid at the epoch date displayed above
AK6933.which is a decimal equivalence of Year/Month/Day.
AK6933
AK6933.No horizontal observational check was made to the station.
AK6933.
AK6933.The orthometric height was determined by differential leveling and
AK6933.adjusted by the NATIONAL GEODETIC SURVEY
AK6933.in December 1995.
AK6933
AK6933.Significant digits in the geoid height do not necessarily reflect accuracy.
AK6933.GEOID12B height accuracy estimate available here.
AK6933
AK6933.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AK6933

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AK6933.The Laplace correction was computed from DEFLEC12B derived deflections.

AK6933

AK6933.The ellipsoidal height was determined by GPS observations

AK6933.and is referenced to NAD 83.

AK6933

AK6933.The dynamic height is computed by dividing the NAVD 88

AK6933.geopotential number by the normal gravity value computed on the

AK6933.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AK6933.degrees latitude (g = 980.6199 gals.).

AK6933

AK6933.The modeled gravity was interpolated from observed gravity values.

AK6933

AK6933. The following values were computed from the NAD 83(2011) position.

AK6933

AK6933;		North	East	Units	Scale Factor	Converg.
AK6933;SPC FL E	-	436,690.174	199,684.047	MT	0.99994118	-0 00 05.5
AK6933;SPC FL E	-	1,432,707.68	655,130.08	sFT	0.99994118	-0 00 05.5
AK6933;UTM 17	-	3,127,673.159	499,684.155	MT	0.99960000	-0 00 05.5

AK6933

AK6933! - Elev Factor x Scale Factor = Combined Factor

AK6933!SPC FL E - 1.00000126 x 0.99994118 = 0.99994244

AK6933!UTM 17 - 1.00000126 x 0.99960000 = 0.99960126

AK6933

AK6933:		Primary Azimuth Mark	Grid Az
AK6933:SPC FL E	-	FLGPS 44	090 21 38.5
AK6933:UTM 17	-	FLGPS 44	090 21 38.5

AK6933

AK6933	-----		
AK6933	PID	Reference Object	Distance
AK6933			Geod. Az
AK6933			ddmmss.s
AK6933	AK6919	FLGPS 44	APPROX. 0.8 KM 0902133.0

AK6933

AK6933 SUPERSEDED SURVEY CONTROL

AK6933

AK6933	NAD 83(2007)-	28 16 30.22790(N)	081 00 11.59484(W)	AD(2002.00)	0
AK6933	ELLIP H (02/10/07)	-8.024 (m)		GP(2002.00)	
AK6933	NAD 83(1999)-	28 16 30.22803(N)	081 00 11.59465(W)	AD()	1
AK6933	ELLIP H (12/13/01)	-8.013 (m)		GP()	5 1
AK6933	NAD 83(1990)-	28 16 30.22702(N)	081 00 11.59425(W)	AD()	1
AK6933	NGVD 29 (02/04/91)	20.5 (m)	RAPSU86 model used	GPS OBS	

AK6933

AK6933.Superseded values are not recommended for survey control.

AK6933

AK6933.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AK6933.[See file dsdata.txt](#) to determine how the superseded data were derived.

AK6933

AK6933_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM9968427673(NAD 83)

AK6933

AK6933_MARKER: F = FLANGE-ENCASED ROD

AK6933_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

AK6933_STAMPING: FLGPS 44 AZ MK 1989

AK6933_MARK LOGO: NGS

AK6933_PROJECTION: FLUSH

AK6933_MAGNETIC: N = NO MAGNETIC MATERIAL

AK6933_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AK6933_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AK6933+SATELLITE: SATELLITE OBSERVATIONS - December 18, 2002

AK6933_ROD/PIPE-DEPTH: 37.6 meters

AK6933_SLEEVE-DEPTH : 0.91 meters

AK6933

AK6933	HISTORY	- Date	Condition	Report By
AK6933	HISTORY	- 1989	MONUMENTED	NGS
AK6933	HISTORY	- 19920726	GOOD	FLDNR
AK6933	HISTORY	- 20021218	GOOD	FLDEP

AK6933

AK6933

STATION DESCRIPTION

AK6933

AK6933'DESCRIBED BY NATIONAL GEODETIC SURVEY 1989

AK6933'THE STATION IS LOCATED ABOUT 28.65 KM (17.80 MI) EAST OF ST. CLOUD,
AK6933'25.75 KM (16.00 MI) SOUTHWEST OF COCOA, IN SECTION 27, T 25 S, R 33 E.
AK6933'OWNERSHIP--COUNTY ROAD RIGHT-OF-WAY.

AK6933'TO REACH THE STATION FROM THE INTERSECTION OF COUNTY ROADS 419 AND 532
AK6933'NEAR ST. CLOUD, GO WEST FOR 7.72 KM (4.80 MI) ON COUNTY ROAD 532 TO A
AK6933'DIRT ROAD RIGHT, TAYLOR WOODS ROAD. CONTINUE STRAIGHT AHEAD AND GO
AK6933'WEST FOR 0.80 KM (0.50 MI) ON COUNTY ROAD 532 TO THE STATION ON RIGHT.
AK6933'THE STATION IS RECESSED 9 CM BELOW GROUND. LOCATED 17.92 M (58.8 FT)
AK6933'NORTH FROM THE APPROXIMATE CENTER OF COUNTY ROAD 532, 3.08 M
AK6933'(10.1 FT) SOUTH FROM A FENCE LINE AND 2.99 M (9.8 FT) SOUTH FROM A
AK6933'CARSONITE WITNESS POST. NOTE--ACCESS TO DATUM POINT IS HAD THROUGH A
AK6933'5-INCH LOGO CAP.

AK6933'DESCRIBED BY R.L. MALLOY.

AK6933

AK6933

STATION RECOVERY (1992)

AK6933

AK6933'RECOVERY NOTE BY FL DEPT OF NAT RES 1992

AK6933'THE MARK IS ABOUT 17.8 MI (28.6 KM) WEST OF COCOA, IN SECTION 27,
AK6933'TOWNSHIP 25 SOUTH, RANGE 33 EAST.

AK6933'TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 1 AND STATE
AK6933'ROAD 520 IN COCOA, GO WEST ON STATE ROAD 520 FOR 3.8 MI (6.1 KM) TO
AK6933'THE INTERSECTION OF U.S. INTERSTATE 95 AND STATE ROAD 520, CONTINUE
AK6933'WEST ON STATE ROAD 520 FOR 1.85 MI (2.98 KM) TO THE JUNCTION OF
AK6933'STATE ROAD 524, CONTINUE WEST ON STATE ROAD 520 FOR 2.95 MI
AK6933'(4.75 KM) TO THE ST. JOHNS RIVER BRIDGE, CONTINUE WEST ON STATE ROAD
AK6933'520 FOR 3.05 MI (4.91 KM) TO THE JUNCTION OF COUNTY ROAD 532, TURN
AK6933'LEFT AND GO SOUTHERLY ON COUNTY ROAD 532 FOR 2.55 MI (4.10 KM) TO
AK6933'THE ORANGE AND OSCEOLA COUNTY LINE, CONTINUE SOUTHERLY ON COUNTY ROAD
AK6933'532 FOR 5.60 MI (9.01 KM) TO A LONG CURVE LEADING WESTERLY, CONTINUE
AK6933'WEST ON COUNTY ROAD 532 FOR 5.0 MI (8.0 KM) TO A DIRT ROAD RIGHT
AK6933'(TAYLOR WOODS ROAD)CONTINUE WEST ON COUNTY ROAD 532 FOR 0.5 MI
AK6933'(0.8 KM) TO THE STATION ON THE RIGHT, RECESSED 0.3 FT (9.1 CM)
AK6933'BELOW THE GROUND.

AK6933'LOCATED 58.8 FT (17.9 M) NORTH OF THE CENTERLINE OF COUNTY ROAD 532,
AK6933'10.1 FT (3.1 M) SOUTH OF A FENCE LINE AND 9.8 FT (3.0 M) SOUTH OF A
AK6933'CARSONITE WITNESS POST.

AK6933'NOTE ACCESS TO DATUM POINT IS THROUGH A 5-INCH LOGO CAP.

AK6933

AK6933

STATION RECOVERY (2002)

AK6933

AK6933'RECOVERY NOTE BY FL DEPT OF ENV PRO 2002 (JLM)

AK6933'THE MARK IS ABOUT 16.6 MI SOUTHWEST OF COCOA, 14.1 MI EAST-NORTHEAST
AK6933'OF ST. CLOUD, 12.0 MI NORTHEAST OF ASHTON, IN SECTION 27, TOWNSHIP 25
AK6933'SOUTH, RANGE 33 EAST.

AK6933'

AK6933'TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 192, 441 (13TH
AK6933'STREET) AND COUNTY ROAD 523 (VERMONT AVENUE, CANOE CREEK ROAD) IN ST.
AK6933'CLOUD, GO EAST ON U.S. HIGHWAY 192, 441 (13TH STREET, EAST BRONSON
AK6933'HIGHWAY) FOR 3.0 MI TO THE INTERSECTION OF STATE ROAD 15, CONTINUE
AK6933'EAST ON U.S. HIGHWAY 192,441 (BRONSON HIGHWAY) FOR 1.25 MI TO THE
AK6933'JUNCTION OF NOVA ROAD (COUNTY ROAD 532) ON THE LEFT, TURN LEFT ON
AK6933'NOVA ROAD (COUNTY ROAD 532) AND GO NORTHEAST FOR 3.65 MI TO CANAL
AK6933'C-32C, CONTINUE EAST ON NOVA ROAD FOR 3.1 MI TO THE WEST END OF
AK6933'BRIDGE NUMBER 924115 OVER ECONLOCKHATCHEE RIVER SWAMP, CONTINUE EAST
AK6933'ON NOVA ROAD (COUNTY ROAD 532) FOR 6.5 MI TO THE MARK ON THE LEFT, A
AK6933'STAINLESS STEEL ROD DRIVEN INTO THE GROUND WITH A NGS LOGO CAP FLUSH
AK6933'WITH THE GROUND AND 1.0 FT BELOW THE LEVEL OF COUNTY ROAD 532 (NOVA
AK6933'ROAD), THE DATUM POINT IS RECESSED 0.2 FT BELOW THE LEVEL OF THE NGS
AK6933'LOGO CAP.

AK6933'

AK6933'LOCATED 58.8 FT NORTH OF THE CENTERLINE OF COUNTY ROAD 532, 10.1 FT
AK6933'SOUTH OF A FENCE LINE AND 9.8 FT SOUTH OF A CARSONITE WITNESS POST.

AK6933'

AK6933'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH NGS LOGO CAP.

AK6933'

AK6933'NOTE A BAR MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AB5482 *****
AB5482 DESIGNATION - 95 056A
AB5482 PID - AB5482
AB5482 STATE/COUNTY- FL/OSCEOLA
AB5482 COUNTRY - US
AB5482 USGS QUAD - NARCOOSSEE (1970)
AB5482
AB5482 *CURRENT SURVEY CONTROL
AB5482
AB5482* NAD 83(2011) POSITION- 28 16 33.31621(N) 081 09 37.32431(W) ADJUSTED
AB5482* NAD 83(2011) ELLIP HT- -6.799 (meters) (06/27/12) ADJUSTED
AB5482* NAD 83(2011) EPOCH - 2010.00
AB5482* NAVD 88 ORTHO HEIGHT - 21.300 (meters) 69.88 (feet) ADJUSTED
AB5482
AB5482 NAD 83(2011) X - 863,820.611 (meters) COMP
AB5482 NAD 83(2011) Y - -5,554,525.526 (meters) COMP
AB5482 NAD 83(2011) Z - 3,003,466.199 (meters) COMP
AB5482 LAPLACE CORR - -0.77 (seconds) DEFLEC12B
AB5482 GEOID HEIGHT - -28.082 (meters) GEOID12B
AB5482 DYNAMIC HEIGHT - 21.269 (meters) 69.78 (feet) COMP
AB5482 MODELED GRAVITY - 979,165.3 (mgal) NAVD 88
AB5482
AB5482 VERT ORDER - SECOND CLASS I
AB5482
AB5482 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AB5482 Standards:
AB5482 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AB5482 Horiz Ellip SD_N SD_E SD_h (unitless)
AB5482 -----
AB5482 NETWORK 0.83 1.33 0.34 0.34 0.68 -0.02759380
AB5482 -----
AB5482 Click here for local accuracies and other accuracy information.
AB5482
AB5482
AB5482.The horizontal coordinates were established by GPS observations
AB5482.and adjusted by the National Geodetic Survey in June 2012.
AB5482
AB5482.NAD 83(2011) refers to NAD 83 coordinates where the reference
AB5482.frame has been affixed to the stable North American tectonic plate. See
AB5482.NA2011 for more information.
AB5482
AB5482.The horizontal coordinates are valid at the epoch date displayed above
AB5482.which is a decimal equivalence of Year/Month/Day.
AB5482
AB5482.The orthometric height was determined by differential leveling and
AB5482.adjusted by the NATIONAL GEODETIC SURVEY
AB5482.in September 2004.
AB5482
AB5482.Significant digits in the geoid height do not necessarily reflect accuracy.
AB5482.GEOID12B height accuracy estimate available here.
AB5482
AB5482.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AB5482
AB5482.The Laplace correction was computed from DEFLEC12B derived deflections.
AB5482

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AB5482.The ellipsoidal height was determined by GPS observations
 AB5482.and is referenced to NAD 83.

AB5482

AB5482.The dynamic height is computed by dividing the NAVD 88
 AB5482.geopotential number by the normal gravity value computed on the
 AB5482.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AB5482.degrees latitude (g = 980.6199 gals.).

AB5482

AB5482.The modeled gravity was interpolated from observed gravity values.

AB5482

AB5482. The following values were computed from the NAD 83(2011) position.

AB5482

AB5482;		North	East	Units	Scale Factor	Converg.
AB5482;SPC FL E	-	436,795.665	184,267.194	MT	0.99994423	-0 04 33.5
AB5482;SPC FL E	-	1,433,053.78	604,549.95	sFT	0.99994423	-0 04 33.5
AB5482;UTM 17	-	3,127,778.614	484,272.562	MT	0.99960305	-0 04 33.5
AB5482!	-	Elev Factor	x	Scale Factor	=	Combined Factor
AB5482!SPC FL E	-	1.00000107	x	0.99994423	=	0.99994530
AB5482!UTM 17	-	1.00000107	x	0.99960305	=	0.99960412

AB5482

AB5482:		Primary Azimuth Mark	Grid Az
AB5482:SPC FL E	-	95 056	267 18 35.3
AB5482:UTM 17	-	95 056	267 18 35.3

AB5482

AB5482	PID	Reference Object	Distance	Geod. Az
AB5482				dddmss.s
AB5482	AB5483	95 056	APPROX. 1.5 KM	2671401.8

AB5482

SUPERSEDED SURVEY CONTROL

AB5482

AB5482	NAD 83(2007)-	28 16 33.31622(N)	081 09 37.32547(W)	AD(2002.00)	0
AB5482	ELLIP H (02/10/07)	-6.767 (m)		GP(2002.00)	
AB5482	NAD 83(1999)-	28 16 33.31645(N)	081 09 37.32540(W)	AD()	1
AB5482	ELLIP H (05/31/01)	-6.760 (m)		GP()	4 1
AB5482	NAD 83(1990)-	28 16 33.31541(N)	081 09 37.32498(W)	AD()	1
AB5482	ELLIP H (07/11/96)	-6.730 (m)		GP()	4 1
AB5482	NAVD 88 (04/30/08)	21.30 (m)	69.9 (f)	LEVELING	3
AB5482	NAVD 88 (07/11/96)	21.3 (m)	GEOID93 model used	GPS OBS	

AB5482

AB5482.Superseded values are not recommended for survey control.

AB5482

AB5482.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AB5482.[See file dsdata.txt](#) to determine how the superseded data were derived.

AB5482

AB5482_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM8427227778(NAD 83)

AB5482

AB5482_MARKER: DD = SURVEY DISK

AB5482_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AB5482_STAMPING: 95-056A 1995

AB5482_MARK LOGO: FL-097

AB5482_PROJECTION: PROJECTING 1 CENTIMETERS

AB5482_MAGNETIC: O = OTHER; SEE DESCRIPTION

AB5482_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AB5482+STABILITY: SURFACE MOTION

AB5482_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AB5482+SATELLITE: SATELLITE OBSERVATIONS - January 20, 2010

AB5482

AB5482	HISTORY	- Date	Condition	Report By
AB5482	HISTORY	- 1995	MONUMENTED	ADRGs
AB5482	HISTORY	- 20021204	GOOD	FLDEP
AB5482	HISTORY	- 20050313	GOOD	GEOCAC
AB5482	HISTORY	- 20070815	GOOD	WILMIL
AB5482	HISTORY	- 20080117	GOOD	MAPTEC

AB5482 HISTORY - 20100120 GOOD INDIV

AB5482

AB5482 STATION DESCRIPTION

AB5482

AB5482'DESCRIBED BY ADR GEODETIC SERVICES 1995 (BAW)

AB5482'TO REACH FROM THE INTERSECTION OF COUNTY ROAD 15 (NARCOOSEE ROAD) AND

AB5482'US ROUTE 192 LOCATED 2.5 MI (4.0 KM) EAST OF THE CITY OF SAINT CLOUD,

AB5482'TRAVEL 1.25 MI (2.01 KM) EAST ALONG US ROUTE 192 TO THE INTERSECTION

AB5482'OF US ROUTE 192 AND COUNTY ROAD 523 (NOVA ROAD) . TURN LEFT AND

AB5482'PROCEED 4.65 MI (7.48 KM) EAST-NORTHEAST ALONG NOVA ROAD TO THE

AB5482'STATION ON THE LEFT.

AB5482

AB5482 STATION RECOVERY (2002)

AB5482

AB5482'RECOVERY NOTE BY FL DEPT OF ENV PRO 2002 (JLM)

AB5482'THE MARK IS ABOUT 8.5 MI NORTHWEST OF HOLOPAW, 8.5 MI EAST-NORTHEAST

AB5482'OF ST. CLOUD, 4.5 MI NORTHEAST OF ASHTON, IN SECTION 25, TOWNSHIP 25

AB5482'SOUTH, RANGE 31 EAST.

AB5482'

AB5482'TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 192, 441 (13TH

AB5482'STREET) AND COUNTY ROAD 523 (VERMONT AVENUE, CANOE CREEK ROAD) IN ST.

AB5482'CLOUD, GO EAST ON U.S. HIGHWAY 192, 441 (13TH STREET, EAST BRONSON

AB5482'HIGHWAY) FOR 3.0 MI TO THE INTERSECTION OF STATE ROAD 15, CONTINUE

AB5482'EAST ON U.S. HIGHWAY 192, 441 (BRONSON HIGHWAY) FOR 1.25 MI TO THE

AB5482'JUNCTION OF NOVA ROAD (COUNTY ROAD 532) ON THE LEFT, TURN LEFT ON

AB5482'NOVA ROAD (COUNTY ROAD 532), GO NORTHEAST FOR 3.65 MI TO CANAL C-32C

AB5482'AND THE JUNCTION OF SUNGROVE ROAD ON THE LEFT AND THE MARK ON THE

AB5482'LEFT, SET IN THE TOP OF A 6-INCH SQUARE PREFABRICATED CONCRETE POST

AB5482'SURROUNDED BY CONCRETE LEVEL WITH THE GROUND AND ABOUT LEVEL WITH NOVA

AB5482'ROAD.

AB5482'

AB5482'LOCATED 97.0 FT SOUTH OF THE CENTER OF A METAL GATE, 21.1 FT NORTH OF

AB5482'THE CENTERLINE OF NOVA ROAD, 13.1 FT EAST OF THE NORTHWEST CORNER OF

AB5482'THE NORTH SIDE OF THE BRIDGE AND 17.2 FT NORTHWEST OF SURVEY MARK OS

AB5482'99 1980.

AB5482

AB5482 STATION RECOVERY (2005)

AB5482

AB5482'RECOVERY NOTE BY GEOCACHING 2005 (MAG)

AB5482'RECOVERED IN GOOD CONDITION.

AB5482

AB5482 STATION RECOVERY (2007)

AB5482

AB5482'RECOVERY NOTE BY WILSONMILLER 2007 (JHL)

AB5482'RECOVERED IN GOOD CONDITION

AB5482

AB5482 STATION RECOVERY (2008)

AB5482

AB5482'RECOVERY NOTE BY MAPTECH INCORPORATED 2008 (BH)

AB5482'RECOVERED AS DESCRIBED

AB5482

AB5482 STATION RECOVERY (2010)

AB5482

AB5482'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2010 (RF)

AB5482'RECOVERED BY CALVIN, GIORDANO AND ASSOCIATES

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AB5503 *****
AB5503 DESIGNATION - 95 064
AB5503 PID - AB5503
AB5503 STATE/COUNTY- FL/OSCEOLA
AB5503 COUNTRY - US
AB5503 USGS QUAD - LAKE TOHOPEKALIGA (1987)
AB5503
AB5503 *CURRENT SURVEY CONTROL
AB5503
AB5503* NAD 83(2011) POSITION- 28 12 02.77491(N) 081 27 59.06394(W) ADJUSTED
AB5503* NAD 83(2011) ELLIP HT- -4.830 (meters) (06/27/12) ADJUSTED
AB5503* NAD 83(2011) EPOCH - 2010.00
AB5503* NAVD 88 ORTHO HEIGHT - 22.8 (meters) 75. (feet) GPS OBS
AB5503
AB5503 NAVD 88 orthometric height was determined with geoid model GEOID93
AB5503 GEOID HEIGHT - -28.458 (meters) GEOID93
AB5503 GEOID HEIGHT - -27.646 (meters) GEOID12B
AB5503 NAD 83(2011) X - 834,724.559 (meters) COMP
AB5503 NAD 83(2011) Y - -5,562,958.861 (meters) COMP
AB5503 NAD 83(2011) Z - 2,996,129.916 (meters) COMP
AB5503 LAPLACE CORR - -1.82 (seconds) DEFLEC12B
AB5503
AB5503 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AB5503 Standards:
AB5503 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AB5503 Horiz Ellip SD_N SD_E SD_h (unitless)
AB5503 -----
AB5503 NETWORK 3.07 3.55 1.43 1.00 1.81 -0.02050261
AB5503 -----
AB5503 Click here for local accuracies and other accuracy information.
AB5503
AB5503
AB5503.The horizontal coordinates were established by GPS observations
AB5503.and adjusted by the National Geodetic Survey in June 2012.
AB5503
AB5503.NAD 83(2011) refers to NAD 83 coordinates where the reference
AB5503.frame has been affixed to the stable North American tectonic plate. See
AB5503.NA2011 for more information.
AB5503
AB5503.The horizontal coordinates are valid at the epoch date displayed above
AB5503.which is a decimal equivalence of Year/Month/Day.
AB5503
AB5503.The orthometric height was determined by GPS observations and a
AB5503.high-resolution geoid model.
AB5503
AB5503.Significant digits in the geoid height do not necessarily reflect accuracy.
AB5503.GEOID12B height accuracy estimate available here.
AB5503
AB5503.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AB5503
AB5503.The Laplace correction was computed from DEFLEC12B derived deflections.
AB5503
AB5503.The ellipsoidal height was determined by GPS observations
AB5503.and is referenced to NAD 83.
AB5503

```

AB5503. The following values were computed from the NAD 83(2011) position.

AB5503

AB5503;		North	East	Units	Scale Factor	Converg.
AB5503;SPC FL E	-	428,545.385	154,211.093	MT	0.99996704	-0 13 13.5
AB5503;SPC FL E	-	1,405,985.98	505,940.89	sFT	0.99996704	-0 13 13.5
AB5503;UTM 17	-	3,119,531.149	454,226.716	MT	0.99962586	-0 13 13.5

AB5503

AB5503!		Elev Factor	x	Scale Factor	=	Combined Factor
AB5503!SPC FL E	-	1.00000076	x	0.99996704	=	0.99996780
AB5503!UTM 17	-	1.00000076	x	0.99962586	=	0.99962662

AB5503

AB5503

SUPERSEDED SURVEY CONTROL

AB5503

AB5503	NAD 83(2007)-	28 12 02.77502(N)	081 27 59.06486(W)	AD(2002.00)	0
AB5503	ELLIP H (02/10/07)	-4.814 (m)		GP(2002.00)	
AB5503	NAD 83(1999)-	28 12 02.77542(N)	081 27 59.06485(W)	AD()	1
AB5503	ELLIP H (05/31/01)	-4.815 (m)		GP()	4 1
AB5503	NAD 83(1990)-	28 12 02.77441(N)	081 27 59.06439(W)	AD()	1
AB5503	ELLIP H (07/11/96)	-4.773 (m)		GP()	4 1

AB5503

AB5503.Superseded values are not recommended for survey control.

AB5503

AB5503.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AB5503.[See file dsdata.txt](#) to determine how the superseded data were derived.

AB5503

AB5503_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM5422619531(NAD 83)

AB5503

AB5503_MARKER: DD = SURVEY DISK

AB5503_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AB5503_STAMPING: GPS 95-064

AB5503_MARK LOGO: FL-097

AB5503_MAGNETIC: O = OTHER; SEE DESCRIPTION

AB5503_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AB5503+STABILITY: SURFACE MOTION

AB5503_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AB5503+SATELLITE: SATELLITE OBSERVATIONS - September 11, 2003

AB5503

AB5503	HISTORY	- Date	Condition	Report By
AB5503	HISTORY	- 1995	MONUMENTED	ADRGs
AB5503	HISTORY	- 20030911	GOOD	FL-105

AB5503

AB5503

STATION DESCRIPTION

AB5503

AB5503'DESCRIBED BY ADR GEODETIC SERVICES 1995 (BAW)
 AB5503'THE STATION IS SITUATED IN OSCEOLA COUNTY, FLORIDA AND IS 6.2 MI (10.0
 AB5503'KM) SOUTH AND 3.0 MI (4.8 KM) WEST OF THE CITY OF KISSIMMEE. TO REACH
 AB5503'THE STATION FROM THE INTERSECTION OF US 192 AND US 441 IN THE
 AB5503'NORTHEAST SECTION OF KISSIMMEE, GO WEST ON US 192 AND US 17/92 FOR 0.7
 AB5503'MI (1.1 KM) TO THE INTERSECTION OF US 192 AND US 17/92 SPLIT. TURN
 AB5503'LEFT AND GO SOUTH AND WEST ON US 17/92 FOR 5.1 MI (8.2 KM) TO THE
 AB5503'INTERSECTION OF US 17/92 AND COUNTY ROAD 535 (HAM BROWN ROAD) . TURN
 AB5503'LEFT AND GO SOUTH ON COUNTY ROAD 535 FOR 4.0 MI (6.4 KM) TO THE
 AB5503'STATION ON THE LEFT. THE STATION IS 21.5 FT (6.6 M) EAST OF THE
 AB5503'CENTERLINE OF COUNTY ROAD 535, 48.5 FT (14.8 M) NORTH OF AN EAST-WEST
 AB5503'FENCE LINE, 150 FT (45.7 M) SOUTH OF THE CENTERLINE OF A PRIVATE DRIVE
 AB5503'LEADING TO THE EAST AND 4.5 FT (1.4 M) WEST OF A NORTH-SOUTH WHITE
 AB5503'TIMBER FENCE.

AB5503

AB5503

STATION RECOVERY (2003)

AB5503

AB5503'RECOVERY NOTE BY POLK COUNTY FLORIDA 2003 (RWY)

AB5503'RECOVERED AS DESCRIBED. RECOVERY NOTE BY POLK COUNTY PROPERTY

AB5503'APPRAISER GIS DEPARTMENT.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AK6935 *****
AK6935 DESIGNATION -   FLGPS 53 AZ MK
AK6935 PID          -   AK6935
AK6935 STATE/COUNTY-  FL/OSCEOLA
AK6935 COUNTRY      -   US
AK6935 USGS QUAD    -   DEER PARK (1980)
AK6935
AK6935                                *CURRENT SURVEY CONTROL
AK6935
AK6935* NAD 83(2011) POSITION- 28 07 00.93841(N) 080 55 47.46409(W) NO CHECK
AK6935* NAD 83(2011) ELLIP HT-  -12.778 (meters)                (06/27/12) NO CHECK
AK6935* NAD 83(2011) EPOCH   - 2010.00
AK6935* NAVD 88 ORTHO HEIGHT - 15.284 (meters)                50.14 (feet) ADJUSTED
AK6935
AK6935 NAD 83(2011) X   - 887,472.566 (meters)                COMP
AK6935 NAD 83(2011) Y   - -5,559,221.302 (meters)                COMP
AK6935 NAD 83(2011) Z   - 2,987,934.216 (meters)                COMP
AK6935 LAPLACE CORR    -  -0.80 (seconds)                DEFLEC12B
AK6935 GEOID HEIGHT    -  -28.075 (meters)                GEOID12B
AK6935 DYNAMIC HEIGHT  - 15.262 (meters)                50.07 (feet) COMP
AK6935 MODELED GRAVITY - 979,157.1 (mgal)                NAVD 88
AK6935
AK6935 VERT ORDER      - SECOND CLASS I
AK6935
AK6935 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AK6935 Standards:
AK6935          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
AK6935          Horiz Ellip              SD_N   SD_E   SD_h          (unitless)
AK6935 -----
AK6935 NETWORK      2.23   2.63           0.88   0.91   1.34          0.36775354
AK6935 -----
AK6935 Click here for local accuracies and other accuracy information.
AK6935
AK6935
AK6935.The horizontal coordinates were established by GPS observations
AK6935.and adjusted by the National Geodetic Survey in June 2012.
AK6935
AK6935.NAD 83(2011) refers to NAD 83 coordinates where the reference
AK6935.frame has been affixed to the stable North American tectonic plate. See
AK6935.NA2011 for more information.
AK6935
AK6935.The horizontal coordinates are valid at the epoch date displayed above
AK6935.which is a decimal equivalence of Year/Month/Day.
AK6935
AK6935.No horizontal observational check was made to the station.
AK6935.
AK6935.The orthometric height was determined by differential leveling and
AK6935.adjusted by the NATIONAL GEODETIC SURVEY
AK6935.in March 2002.
AK6935
AK6935.Significant digits in the geoid height do not necessarily reflect accuracy.
AK6935.GEOID12B height accuracy estimate available here.
AK6935
AK6935.Photographs are available for this station.
AK6935

```

AK6935.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AK6935
 AK6935.The Laplace correction was computed from DEFLEC12B derived deflections.
 AK6935
 AK6935.The ellipsoidal height was determined by GPS observations
 AK6935.and is referenced to NAD 83.
 AK6935

AK6935.The dynamic height is computed by dividing the NAVD 88
 AK6935.geopotential number by the normal gravity value computed on the
 AK6935.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AK6935.degrees latitude (g = 980.6199 gals.).
 AK6935

AK6935.The modeled gravity was interpolated from observed gravity values.
 AK6935

AK6935. The following values were computed from the NAD 83(2011) position.
 AK6935

AK6935;	North	East	Units	Scale Factor	Converg.
AK6935;SPC FL E	- 419,168.146	206,892.106	MT	0.99994176	+0 01 59.0
AK6935;SPC FL E	- 1,375,220.83	678,778.52	sFT	0.99994176	+0 01 59.0
AK6935;UTM 17	- 3,110,157.109	506,889.755	MT	0.99960059	+0 01 59.0
AK6935!	- Elev Factor	x Scale Factor	=	Combined Factor	
AK6935!SPC FL E	- 1.00000201	x 0.99994176	=	0.99994377	
AK6935!UTM 17	- 1.00000201	x 0.99960059	=	0.99960260	

AK6935:	Primary Azimuth Mark	Grid Az
AK6935:SPC FL E	- FLGPS 53	283 11 04.5
AK6935:UTM 17	- FLGPS 53	283 11 04.5

AK6935	PID	Reference Object	Distance	Geod. Az
AK6935				dddmmss.s
AK6935	AK6920	FLGPS 53	APPROX. 0.8 KM	2831303.5

AK6935

AK6935

AK6935

SUPERSEDED SURVEY CONTROL

AK6935	NAD 83(2007)-	28 07 00.93853(N)	080 55 47.46485(W)	AD(2002.00)	0
AK6935	ELLIP H (02/10/07)	-12.767 (m)		GP(2002.00)	
AK6935	NAD 83(1999)-	28 07 00.93871(N)	080 55 47.46503(W)	AD()	1
AK6935	ELLIP H (12/13/01)	-12.751 (m)		GP()	5 1
AK6935	NAD 83(1990)-	28 07 00.93775(N)	080 55 47.46448(W)	AD()	1
AK6935	NGVD 29 (02/04/91)	15.8 (m)	RAPSU86 model used	GPS OBS	

AK6935.Superseded values are not recommended for survey control.
 AK6935
 AK6935.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AK6935.[See file dsdata.txt](#) to determine how the superseded data were derived.
 AK6935

AK6935_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNM0688910157(NAD 83)
 AK6935

AK6935_MARKER: F = FLANGE-ENCASED ROD
 AK6935_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)
 AK6935_STAMPING: FLGPS 53 AZ MK 1989
 AK6935_MARK LOGO: NGS
 AK6935_PROJECTION: RECESSED 5 CENTIMETERS
 AK6935_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 AK6935_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
 AK6935_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 AK6935+SATELLITE: SATELLITE OBSERVATIONS - March 18, 2008
 AK6935_ROD/PIPE-DEPTH: 34.1 meters
 AK6935_SLEEVE-DEPTH : 0.91 meters
 AK6935

AK6935	HISTORY	- Date	Condition	Report By
AK6935	HISTORY	- 1989	MONUMENTED	NGS
AK6935	HISTORY	- 19970721	GOOD	FLDEP

AK6935 HISTORY - 20000811 GOOD FLDEP
AK6935 HISTORY - 20080318 GOOD FLDEP

AK6935

AK6935 STATION DESCRIPTION

AK6935

AK6935'DESCRIBED BY NATIONAL GEODETIC SURVEY 1989

AK6935'THE STATION IS LOCATED ABOUT 36.37 KM (22.60 MI) SOUTHEAST OF ST.

AK6935'CLOUD, 30.25 KM (18.80 MI) WEST OF MELBOURNE, IN SECTION 20, T 27 S, R

AK6935'34 E. OWNERSHIP--HIGHWAY RIGHT-OF-WAY.

AK6935'TO REACH THE STATION FROM THE JUNCTION OF STATE ROAD 419 AND U.S.

AK6935'HIGHWAY 192 NEAR DEER PARK, GO WEST FOR 3.54 KM (2.20 MI) ON HIGHWAY

AK6935'192 TO THE STATION ON RIGHT.

AK6935'THE STATION IS RECESSED 12 CM BELOW GROUND. LOCATED 14.45 M

AK6935'(47.4 FT) NORTH FROM THE APPROXIMATE CENTER OF HIGHWAY 192, 6.40 M

AK6935'(21.0 FT) SOUTH FROM A FENCE LINE AND 5.97 M (19.6 FT) SOUTH FROM A

AK6935'CARSONITE WITNESS POST. NOTE--ACCESS TO DATUM POINT IS HAD THROUGH A

AK6935'5-INCH LOGO CAP.

AK6935'DESCRIBED BY R.L. MALLOY.

AK6935

AK6935 STATION RECOVERY (1997)

AK6935

AK6935'RECOVERY NOTE BY FL DEPT OF ENV PRO 1997 (VAJ)

AK6935'RECOVERED AS DESCRIBED.

AK6935

AK6935 STATION RECOVERY (2000)

AK6935

AK6935'RECOVERY NOTE BY FL DEPT OF ENV PRO 2000 (PBM)

AK6935'RECOVERED AS DESCRIBED.

AK6935

AK6935 STATION RECOVERY (2008)

AK6935

AK6935'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AK6935'THE MARK IS ABOUT 16.9 MI (27.2 KM) NORTH-NORTHEAST OF KENANSVILLE,

AK6935'9.0 MI (14.5 KM) EAST OF HOLOPAW, 2.6 MI (4.2 KM) NORTHWEST OF DEER

AK6935'PARK, IN SECTION 20, TOWNSHIP 27 SOUTH, RANGE 34 EAST.

AK6935'

AK6935'TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 192 AND COUNTY

AK6935'ROAD 419 IN DEER PARK, GO WEST ON U.S. HIGHWAY 192 FOR 2.25 MI (3.6

AK6935'KM) TO THE MARK ON THE RIGHT, A STAINLESS STEEL ROD DRIVEN INTO THE

AK6935'GROUND WITH A NATIONAL GEODETIC SURVEY LOGO CAP RECESSED 0.2 FT (6 CM)

AK6935'BELOW THE LEVEL OF THE GROUND AND ABOUT 2.0 FT (0.6 M) BELOW THE LEVEL

AK6935'OF U.S. HIGHWAY 192 WESTBOUND LANES, THE DATUM POINT IS RECESSED 0.3

AK6935'FT (9 CM) BELOW THE NATIONAL GEODETIC SURVEY LOGO CAP.

AK6935'

AK6935'LOCATED ABOUT 435.0 FT (132.6 M) WEST OF THE APPROXIMATE CENTERLINE OF

AK6935'A LIME ROCK ROAD LEADING NORTH, 65.5 FT (20.0 M) WEST-SOUTHWEST OF A

AK6935'WOODEN POWER POLE NUMBER 6684786 WITH THREE GUY WIRES ATTACHED, 54.7

AK6935'FT (16.7 M) NORTH OF THE CENTERLINE OF U.S. HIGHWAY 192 WESTBOUND

AK6935'LANES, 20.4 FT (6.2 M) SOUTH OF A BARBWIRE FENCE AND 20.3 FT (6.2 M)

AK6935'SOUTH OF A CARSONITE WITNESS POST.

AK6935'

AK6935'NOTE A MAGNET WAS PLACED INSIDE OF THE NATIONAL GEODETIC SURVEY LOGO

AK6935'CAP.

AK6935'

AK6935'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH (13 CM)

AK6935'NATIONAL GEODETIC SURVEY LOGO CAP.

*** retrieval complete.

Elapsed Time = 00:00:03

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AB5489 *****
AB5489 DESIGNATION - 95 058A
AB5489 PID - AB5489
AB5489 STATE/COUNTY- FL/OSCEOLA
AB5489 COUNTRY - US
AB5489 USGS QUAD - ASHTON (1981)
AB5489
AB5489 *CURRENT SURVEY CONTROL
AB5489
AB5489* NAD 83(2011) POSITION- 28 12 34.86725(N) 081 14 37.54540(W) ADJUSTED
AB5489* NAD 83(2011) ELLIP HT- -4.581 (meters) (06/27/12) ADJUSTED
AB5489* NAD 83(2011) EPOCH - 2010.00
AB5489* NAVD 88 ORTHO HEIGHT - 23.4 (meters) 77. (feet) GPS OBS
AB5489
AB5489 NAVD 88 orthometric height was determined with geoid model GEOID93
AB5489 GEOID HEIGHT - -28.820 (meters) GEOID93
AB5489 GEOID HEIGHT - -27.954 (meters) GEOID12B
AB5489 NAD 83(2011) X - 856,264.099 (meters) COMP
AB5489 NAD 83(2011) Y - -5,559,211.968 (meters) COMP
AB5489 NAD 83(2011) Z - 2,997,000.660 (meters) COMP
AB5489 LAPLACE CORR - -1.11 (seconds) DEFLEC12B
AB5489
AB5489 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AB5489 Standards:
AB5489 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AB5489 Horiz Ellip SD_N SD_E SD_h (unitless)
AB5489 -----
AB5489 NETWORK 1.97 2.41 0.82 0.79 1.23 0.11054631
AB5489 -----
AB5489 Click here for local accuracies and other accuracy information.
AB5489
AB5489
AB5489.The horizontal coordinates were established by GPS observations
AB5489.and adjusted by the National Geodetic Survey in June 2012.
AB5489
AB5489.NAD 83(2011) refers to NAD 83 coordinates where the reference
AB5489.frame has been affixed to the stable North American tectonic plate. See
AB5489.NA2011 for more information.
AB5489
AB5489.The horizontal coordinates are valid at the epoch date displayed above
AB5489.which is a decimal equivalence of Year/Month/Day.
AB5489
AB5489.The orthometric height was determined by GPS observations and a
AB5489.high-resolution geoid model.
AB5489
AB5489.Significant digits in the geoid height do not necessarily reflect accuracy.
AB5489.GEOID12B height accuracy estimate available here.
AB5489
AB5489.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AB5489
AB5489.The Laplace correction was computed from DEFLEC12B derived deflections.
AB5489
AB5489.The ellipsoidal height was determined by GPS observations
AB5489.and is referenced to NAD 83.
AB5489

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AB5489. The following values were computed from the NAD 83(2011) position.

AB5489

AB5489;	North	East	Units	Scale Factor	Converg.
AB5489;SPC FL E	- 429,469.251	176,070.995	MT	0.99994824	-0 06 54.8
AB5489;SPC FL E	- 1,409,017.03	577,659.59	sFT	0.99994824	-0 06 54.8
AB5489;UTM 17	- 3,120,454.699	476,079.159	MT	0.99960706	-0 06 54.8

AB5489

AB5489!	Elev Factor	x	Scale Factor	=	Combined Factor
AB5489!SPC FL E	- 1.00000072	x	0.99994824	=	0.99994896
AB5489!UTM 17	- 1.00000072	x	0.99960706	=	0.99960778

AB5489

AB5489:	Primary Azimuth Mark	Grid Az
AB5489:SPC FL E	- 95 058	359 07 37.6
AB5489:UTM 17	- 95 058	359 07 37.6

AB5489

AB5489	PID	Reference Object	Distance	Geod. Az
AB5489				dddmmss.s
AB5489	AB5488	95 058	486.455 METERS	3590042.8

AB5489

SUPERSEDED SURVEY CONTROL

AB5489

AB5489	NAD 83(2007)-	28 12 34.86742(N)	081 14 37.54646(W)	AD(2002.00)	0
AB5489	ELLIP H (02/10/07)	-4.574 (m)		GP(2002.00)	
AB5489	NAD 83(1999)-	28 12 34.86772(N)	081 14 37.54633(W)	AD()	1
AB5489	ELLIP H (05/31/01)	-4.569 (m)		GP()	4 1
AB5489	NAD 83(1990)-	28 12 34.86673(N)	081 14 37.54590(W)	AD()	1
AB5489	ELLIP H (07/11/96)	-4.536 (m)		GP()	4 1

AB5489

AB5489. Superseded values are not recommended for survey control.

AB5489

AB5489. NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AB5489. [See file dsdata.txt](#) to determine how the superseded data were derived.

AB5489

AB5489 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM7607920454(NAD 83)

AB5489

AB5489_MARKER: DD = SURVEY DISK

AB5489_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AB5489_STAMPING: 95-058A 1995

AB5489_MARK LOGO: FL-097

AB5489_MAGNETIC: O = OTHER; SEE DESCRIPTION

AB5489_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AB5489+STABILITY: SURFACE MOTION

AB5489_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AB5489+SATELLITE: SATELLITE OBSERVATIONS - May 20, 2015

AB5489

AB5489	HISTORY	- Date	Condition	Report By
AB5489	HISTORY	- 1995	MONUMENTED	ADRGs
AB5489	HISTORY	- 20110210	GOOD	MOREKL
AB5489	HISTORY	- 20150520	GOOD	INDIV

AB5489

STATION DESCRIPTION

AB5489

AB5489'DESCRIBED BY ADR GEODETIC SERVICES 1995 (BAW)

AB5489'THE STATION IS SITUATED IN OSCEOLA COUNTY, FLORIDA AND IS 3.0 MI (4.8

AB5489'KM) SOUTH AND 2.3 MI (3.7 KM) EAST OF THE CITY OF SAINT CLOUD. TO REACH

AB5489'THE STATION FROM THE INTERSECTION OF US 192 AND COUNTY ROAD 15

AB5489'(NARCOOSSEE ROAD) , 2.5 MI (4.0 KM) EAST OF SAINT CLOUD, GO WEST ON US

AB5489'192 FOR 0.7 MI (1.1 KM) TO THE INTERSECTION OF US 192 AND COUNTY ROAD

AB5489'534 (HICKORY TREE ROAD) . TURN LEFT AND GO SOUTH ON COUNTY ROAD 534

AB5489'FOR 3.2 MI (5.1 KM) TO THE STATION ON THE LEFT, 15 FT (4.6 M) EAST OF

AB5489'THE CENTERLINE OF HICKORY TREE ROAD AND 48 FT (14.6 M) NORTH OF THE

AB5489'CENTERLINE OF ALLIGATOR LAKE ROAD. THE STATION IS 15.0 FT EAST OF THE

AB5489'CENTERLINE OF HICKORY TREE ROAD, 48.5 FT (14.8 M) NORTH OF THE

AB5489'CENTERLINE OF ALLIGATOR LAKE ROAD AND 82.0 FT (25.0 M) IN AZIMUTH 50

AB5489'FROM POWER POLE 23715.

AB5489

AB5489

STATION RECOVERY (2011)

AB5489

AB5489'RECOVERY NOTE BY MORGAN AND EKLUND INC 2011

AB5489'RECOVERED AS DESCRIBED

AB5489

AB5489

STATION RECOVERY (2015)

AB5489

AB5489'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2015 (WBQ)

AB5489'RECOVERED AS DESCRIBED AND IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AB5478 *****
AB5478 DESIGNATION - 95 061A
AB5478 PID - AB5478
AB5478 STATE/COUNTY- FL/OSCEOLA
AB5478 COUNTRY - US
AB5478 USGS QUAD - HOLOPAW SE (1980)
AB5478
AB5478 *CURRENT SURVEY CONTROL
AB5478
AB5478* NAD 83(2011) POSITION- 28 06 56.76618(N) 081 04 34.66118(W) ADJUSTED
AB5478* NAD 83(2011) ELLIP HT- -5.034 (meters) (06/27/12) ADJUSTED
AB5478* NAD 83(2011) EPOCH - 2010.00
AB5478* NAVD 88 ORTHO HEIGHT - 22.918 (meters) 75.19 (feet) ADJUSTED
AB5478
AB5478 NAD 83(2011) X - 873,271.186 (meters) COMP
AB5478 NAD 83(2011) Y - -5,561,537.996 (meters) COMP
AB5478 NAD 83(2011) Z - 2,987,824.586 (meters) COMP
AB5478 LAPLACE CORR - -1.10 (seconds) DEFLEC12B
AB5478 GEOID HEIGHT - -27.943 (meters) GEOID12B
AB5478 DYNAMIC HEIGHT - 22.884 (meters) 75.08 (feet) COMP
AB5478 MODELED GRAVITY - 979,153.9 (mgal) NAVD 88
AB5478
AB5478 VERT ORDER - FIRST CLASS II
AB5478
AB5478 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AB5478 Standards:
AB5478 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AB5478 Horiz Ellip SD_N SD_E SD_h (unitless)
AB5478 -----
AB5478 NETWORK 1.19 1.61 0.50 0.47 0.82 0.14884537
AB5478 -----
AB5478 Click here for local accuracies and other accuracy information.
AB5478
AB5478
AB5478.The horizontal coordinates were established by GPS observations
AB5478.and adjusted by the National Geodetic Survey in June 2012.
AB5478
AB5478.NAD 83(2011) refers to NAD 83 coordinates where the reference
AB5478.frame has been affixed to the stable North American tectonic plate. See
AB5478.NA2011 for more information.
AB5478
AB5478.The horizontal coordinates are valid at the epoch date displayed above
AB5478.which is a decimal equivalence of Year/Month/Day.
AB5478
AB5478.The orthometric height was determined by differential leveling and
AB5478.adjusted by the NATIONAL GEODETIC SURVEY
AB5478.in January 2014.
AB5478
AB5478.Significant digits in the geoid height do not necessarily reflect accuracy.
AB5478.GEOID12B height accuracy estimate available here.
AB5478
AB5478.Photographs are available for this station.
AB5478
AB5478.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AB5478

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AB5478.The Laplace correction was computed from DEFLEC12B derived deflections.

AB5478

AB5478.The ellipsoidal height was determined by GPS observations

AB5478.and is referenced to NAD 83.

AB5478

AB5478.The dynamic height is computed by dividing the NAVD 88

AB5478.geopotential number by the normal gravity value computed on the

AB5478.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AB5478.degrees latitude (g = 980.6199 gals.).

AB5478

AB5478.The modeled gravity was interpolated from observed gravity values.

AB5478

AB5478. The following values were computed from the NAD 83(2011) position.

AB5478

AB5478;		North	East	Units	Scale	Factor	Converg.
AB5478;SPC FL E	-	419,040.080	192,503.979	MT	0.99994187	-0 02 09.4	
AB5478;SPC FL E	-	1,374,800.66	631,573.47	sFT	0.99994187	-0 02 09.4	
AB5478;UTM 17	-	3,110,029.087	492,506.537	MT	0.99960069	-0 02 09.4	
AB5478!	-	Elev Factor	x	Scale Factor	=	Combined Factor	
AB5478!SPC FL E	-	1.00000079	x	0.99994187	=	0.99994266	
AB5478!UTM 17	-	1.00000079	x	0.99960069	=	0.99960148	

AB5478

AB5478:		Primary Azimuth Mark	Grid Az
AB5478:SPC FL E	-	95 061	000 34 41.7
AB5478:UTM 17	-	95 061	000 34 41.7

AB5478

AB5478	PID	Reference Object	Distance	Geod. Az
AB5478				dddmms.s
AB5478	AB5479	95 061	APPROX. 1.3 KM	0003232.3

AB5478

AB5478

SUPERSEDED SURVEY CONTROL

AB5478

AB5478	NAVD 83(2007)-	28 06	56.76638(N)	081 04	34.66231(W)	AD(2002.00)	0
AB5478	ELLIP H (02/10/07)		-5.028 (m)			GP(2002.00)	
AB5478	NAVD 83(1999)-	28 06	56.76681(N)	081 04	34.66279(W)	AD()	1
AB5478	ELLIP H (05/31/01)		-5.019 (m)			GP()	4 1
AB5478	NAVD 83(1990)-	28 06	56.76593(N)	081 04	34.66238(W)	AD()	1
AB5478	ELLIP H (07/11/96)		-4.994 (m)			GP()	4 1
AB5478	NAVD 88 (07/11/96)		22.9 (m)	GEOID93 model used		GPS OBS	

AB5478

AB5478.Superseded values are not recommended for survey control.

AB5478

AB5478.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AB5478.[See file dsdata.txt](#) to determine how the superseded data were derived.

AB5478

AB5478_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM9250610029(NAD 83)

AB5478

AB5478_MARKER: DD = SURVEY DISK

AB5478_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AB5478_STAMPING: GPS 95-061A 1995

AB5478_MARK LOGO: FL-097

AB5478_PROJECTION: RECESSED 20 CENTIMETERS

AB5478_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

AB5478_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AB5478+STABILITY: SURFACE MOTION

AB5478_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AB5478+SATELLITE: SATELLITE OBSERVATIONS - March 18, 2008

AB5478

AB5478	HISTORY	-	Date	Condition	Report By
AB5478	HISTORY	-	1995	MONUMENTED	ADRS
AB5478	HISTORY	-	20050430	GOOD	GEOCAC
AB5478	HISTORY	-	20080318	GOOD	FLDEP

AB5478

AB5478 STATION DESCRIPTION
AB5478
AB5478'DESCRIBED BY ADR GEODETIC SERVICES 1995 (BAW)
AB5478'THE STATION IS SITUATED IN OSCEOLA COUNTY, FLORIDA AND IS 2.1 MI (3.4
AB5478'KM) SOUTH OF THE SMALL TOWN OF HOLOPAW. TO REACH THE STATION FROM THE
AB5478'SPLIT OF US 441 AND US 192 IN HOLOPAW, GO SOUTH ON US 441 FOR 2.0 MI
AB5478'(3.2 KM) TO THE STATION ON THE RIGHT, 25 FT (7.6 M) WEST OF THE
AB5478'CENTERLINE OF US 441 AND 35 FT (10.7 M) NORTH OF THE CENTERLINE OF
AB5478'HOLOPAW GROVES ROAD. THE STATION IS 67 FT (20.4 M) IN AZIMUTH 20 FROM
AB5478'A POWER POLE IN THE SOUTHWEST QUADRANT OF SAID INTERSECTION, 80 FT
AB5478'(24.4 M) IN AZIMUTH 170 FROM A 18 INCH PALM AND 6.0 FT (1.8 M) SOUTH
AB5478'OF A 42 IN BY 60 IN CONCRETE PAD WITH MAILBOXES.
AB5478
AB5478 STATION RECOVERY (2005)
AB5478
AB5478'RECOVERY NOTE BY GEOCACHING 2005 (MAG)
AB5478'MARK WAS FOUND 8 INCHES BELOW GROUND.
AB5478
AB5478 STATION RECOVERY (2008)
AB5478
AB5478'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)
AB5478'RECOVERED AS DESCRIBED.WITH THESE ADDITIONS, 6.0 FT (1.8 M)
AB5478'SOUTH-SOUTHWEST OF A HOLOPAW GROVES ROAD SIGN AND 3.5 FT (1.1 M)
AB5478'SOUTH OF THE SOUTHWEST CORNER OF THE CONCRETE BASE THAT SUPPORTS A SET
AB5478'OF MAIL BOXES.
AB5478'
AB5478'NOTE A MAGNET WAS IMBEDDED IN THE GROUND THE STATION IS LOCATED ABOUT
AB5478'13.6 MI (21.9 KM) SOUTHEAST OF ASHTON.

*** retrieval complete.
Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AF6097 *****
AF6097 DESIGNATION - JACKSON
AF6097 PID - AF6097
AF6097 STATE/COUNTY- FL/OSCEOLA
AF6097 COUNTRY - US
AF6097 USGS QUAD - LAKE MARIAN NW (1972)
AF6097
AF6097 *CURRENT SURVEY CONTROL
AF6097
AF6097* NAD 83(2011) POSITION- 27 56 25.64896(N) 081 07 50.14854(W) ADJUSTED
AF6097* NAD 83(2011) ELLIP HT- -6.480 (meters) (06/27/12) ADJUSTED
AF6097* NAD 83(2011) EPOCH - 2010.00
AF6097* NAVD 88 ORTHO HEIGHT - 20.987 (meters) 68.85 (feet) ADJUSTED
AF6097
AF6097 NAD 83(2011) X - 869,407.224 (meters) COMP
AF6097 NAD 83(2011) Y - -5,571,381.953 (meters) COMP
AF6097 NAD 83(2011) Z - 2,970,674.610 (meters) COMP
AF6097 LAPLACE CORR - -0.69 (seconds) DEFLEC12B
AF6097 GEOID HEIGHT - -27.444 (meters) GEOID12B
AF6097 DYNAMIC HEIGHT - 20.956 (meters) 68.75 (feet) COMP
AF6097 MODELED GRAVITY - 979,145.1 (mgal) NAVD 88
AF6097
AF6097 VERT ORDER - SECOND CLASS 0
AF6097
AF6097 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AF6097 Standards:
AF6097 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AF6097 Horiz Ellip SD_N SD_E SD_h (unitless)
AF6097 -----
AF6097 NETWORK 1.19 1.65 0.43 0.53 0.84 -0.04566194
AF6097 -----
AF6097 Click here for local accuracies and other accuracy information.
AF6097
AF6097
AF6097.The horizontal coordinates were established by GPS observations
AF6097.and adjusted by the National Geodetic Survey in June 2012.
AF6097
AF6097.NAD 83(2011) refers to NAD 83 coordinates where the reference
AF6097.frame has been affixed to the stable North American tectonic plate. See
AF6097.NA2011 for more information.
AF6097
AF6097.The horizontal coordinates are valid at the epoch date displayed above
AF6097.which is a decimal equivalence of Year/Month/Day.
AF6097
AF6097.The orthometric height was determined by differential leveling and
AF6097.adjusted by the NATIONAL GEODETIC SURVEY
AF6097.in June 1991.
AF6097
AF6097.Significant digits in the geoid height do not necessarily reflect accuracy.
AF6097.GEOID12B height accuracy estimate available here.
AF6097
AF6097.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AF6097
AF6097.The Laplace correction was computed from DEFLEC12B derived deflections.
AF6097

```

AF6097.The ellipsoidal height was determined by GPS observations
AF6097.and is referenced to NAD 83.

AF6097

AF6097.The dynamic height is computed by dividing the NAVD 88
AF6097.geopotential number by the normal gravity value computed on the
AF6097.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AF6097.degrees latitude (g = 980.6199 gals.).

AF6097

AF6097.The modeled gravity was interpolated from observed gravity values.

AF6097

AF6097. The following values were computed from the NAD 83(2011) position.

AF6097

AF6097;	North	East	Units	Scale	Factor	Converg.
AF6097;SPC FL E	- 399,617.859	187,147.949	MT	0.99994321	-0 03	40.3
AF6097;SPC FL E	- 1,311,079.59	614,001.23	sFT	0.99994321	-0 03	40.3
AF6097;UTM 17	- 3,090,613.492	487,152.334	MT	0.99960204	-0 03	40.3
AF6097!	- Elev Factor	x Scale Factor	=	Combined Factor		
AF6097!SPC FL E	- 1.00000102	x 0.99994321	=	0.99994423		
AF6097!UTM 17	- 1.00000102	x 0.99960204	=	0.99960306		

AF6097

AF6097:	Primary Azimuth Mark	Grid Az
AF6097:SPC FL E	- JACKSON AZ MK 3	327 28 46.1
AF6097:UTM 17	- JACKSON AZ MK 3	327 28 46.1

AF6097

AF6097	PID	Reference Object	Distance	Geod. Az
AF6097				dddmmss.s
AF6097	AF6095	JACKSON RM 1	51.679 METERS	17318
AF6097	AF6096	JACKSON RM 3	30.126 METERS	24511
AF6097	AF6093	JACKSON RM 2	50.542 METERS	30646
AF6097	AF6091	JACKSON AZ MK		3241839.9
AF6097	CW7235	JACKSON AZ MK RESET		3253425.1
AF6097	AF0378	JACKSON AZ MK 3	460.497 METERS	3272505.8
AF6097	AF0381	BC 4 FC 3 ECC ASTRO	11.342 METERS	34206
AF6097	AF6098	BC 4 FC 3	12.171 METERS	35145
AF6097	AF6094	F 198	12.316 METERS	35323

AF6097

AF6097

SUPERSEDED SURVEY CONTROL

AF6097

AF6097	NAD 83(2007)-	27 56 25.64917(N)	081 07 50.14981(W)	AD(2002.00)	0
AF6097	ELLIP H (02/10/07)	-6.486 (m)		GP(2002.00)	
AF6097	NAD 83(1999)-	27 56 25.64908(N)	081 07 50.14947(W)	AD()	1
AF6097	ELLIP H (01/28/04)	-6.485 (m)		GP()	3 1
AF6097	NAD 83(1999)-	27 56 25.64642(N)	081 07 50.14913(W)	AD()	1
AF6097	ELLIP H (05/31/01)	-6.388 (m)		GP()	4 1
AF6097	NAD 83(1990)-	27 56 25.64671(N)	081 07 50.14884(W)	AD()	1
AF6097	NAD 83(1986)-	27 56 25.65325(N)	081 07 50.16387(W)	AD()	1
AF6097	NAD 27	- 27 56 24.57170(N)	081 07 50.92724(W)	AD()	1
AF6097	NAVD 88 (07/29/93)	20.99 (m)	68.9 (f)	LEVELING	3
AF6097	NGVD 29 (??/??/92)	21.356 (m)	70.07 (f)	SUPERSEDED	2 0
AF6097	NGVD 29 (09/01/92)	21.356 (m)	70.07 (f)	ADJUSTED	2 0
AF6097	NGVD 29 (07/19/86)	21.36 (m)	70.1 (f)	LEVELING	3

AF6097

AF6097.Superseded values are not recommended for survey control.

AF6097

AF6097.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AF6097.[See file dsdata.txt](#) to determine how the superseded data were derived.

AF6097

AF6097_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML8715290613(NAD 83)

AF6097

AF6097_MARKER: DS = TRIANGULATION STATION DISK

AF6097_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AF6097_STAMPING: JACKSON 1936

AF6097_MARK LOGO: CGS

AF6097_PROJECTION: FLUSH
 AF6097_MAGNETIC: O = OTHER; SEE DESCRIPTION
 AF6097_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 AF6097+STABILITY: SURFACE MOTION
 AF6097_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 AF6097+SATELLITE: SATELLITE OBSERVATIONS - April 03, 2003

AF6097

AF6097	HISTORY	- Date	Condition	Report By
AF6097	HISTORY	- 1936	MONUMENTED	CGS
AF6097	HISTORY	- 1960	GOOD	CGS
AF6097	HISTORY	- 1965	GOOD	CGS
AF6097	HISTORY	- 1965	GOOD	CGS
AF6097	HISTORY	- 1981	GOOD	FLDNR
AF6097	HISTORY	- 1983	GOOD	FLDNR
AF6097	HISTORY	- 1983	GOOD	FLDNR
AF6097	HISTORY	- 19920901	GOOD	HEIDT
AF6097	HISTORY	- 20030403	GOOD	FLDEP
AF6097	HISTORY	- 20080331	GOOD	GEOCAC

AF6097

STATION DESCRIPTION

AF6097

AF6097'DESCRIBED BY COAST AND GEODETIC SURVEY 1936 (RLP)
 AF6097'STATION IS ABOUT 26.2 MILES BY ROAD S BY E OF ST. CLOUD, 10.1
 AF6097'MILES W BY N OF KENANSVILLE, ON THE NE SIDE OF THE ST.
 AF6097'CLOUD-KENANSVILLE GRADED, SAND ROAD, 1.0 MILE NORTHWARD OF A
 AF6097'STOCK-DIPPING PEN, WHICH IS ON THE E SIDE OF THE ROAD. IT IS
 AF6097'ABOUT 0.1 MILE SE OF A SMALL, WOODEN BRIDGE, AND 41 FEET NE OF THE
 AF6097'CENTER LINE OF THE ROAD. MARK PROJECTS 4 INCHES.

AF6097'

AF6097'SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
 AF6097'BRONZE DISKS SET IN CONCRETE.

AF6097'

AF6097'REFERENCE MARK NO. 1 IS SSE OF THE STATION, 27 FEET SW OF THE
 AF6097'CENTER LINE OF THE ROAD, AND 8 FEET SW OF THE FENCE LINE.

AF6097'

AF6097'REFERENCE MARK NO. 2 IS WNW OF THE STATION, 26 FEET SW OF THE
 AF6097'CENTER LINE OF THE ROAD, AND 7 FEET SW OF THE FENCE LINE.

AF6097'

AF6097'REFERENCE MARKS PROJECT 2 INCHES.

AF6097'

AF6097'AZIMUTH MARK IS WNW OF THE STATION, 0.05 MILE NW OF SMALL
 AF6097'WOODEN BRIDGE, 26 FEET SW OF THE CENTER LINE OF THE ROAD,
 AF6097'AND 7 FEET SW OF THE FENCE LINE. MARK PROJECTS 4 INCHES.

AF6097'

AF6097'TO REACH FROM KENANSVILLE, GO W AND NW ON THE ST. CLOUD GRADED
 AF6097'SAND ROAD FOR 10.1 MILES OR 1.0 MILE NORTHWARD OF A STOCK-DIPPING
 AF6097'PEN TO STATION ON THE NE SIDE OF THE ROAD.

AF6097'

AF6097'ALL LIGHTS COME INTO VIEW AT 90 FEET.

AF6097'

AF6097'HEIGHT OF LIGHT ABOVE STATION MARK 34.7 METERS.

AF6097

STATION RECOVERY (1960)

AF6097

AF6097'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1960 (GWM)
 AF6097'THE STATION AND ALL MARKS WERE RECOVERED AND FOUND IN GOOD
 AF6097'CONDITION. THE DIRECTION TO ALL MARKS CHECKED. THE DISTANCE
 AF6097'TO REFERENCE MARK 1 DID NOT CHECK BY 0.07 OF A FOOT. THE
 AF6097'DISTANCE TO REFERENCE MARK 2 DID NOT CHECK BY 0.12 OF A
 AF6097'FOOT. THE DISTANCE BETWEEN THE REFERENCE MARKS DID NOT CHECK BY
 AF6097'0.15 OF A FOOT. ALL MEASUREMENTS BEING SHORTER THAN THE
 AF6097'PREVIOUS ONES. A COMPLETE NEW TO REACH AND DESCRIPTION FOLLOWS.

AF6097'

AF6097'THE STATION IS ABOUT 26 MILES SOUTHEAST OF ST. CLOUD, ABOUT 10
 AF6097'MILES NORTHWEST OF KENANSVILLE AND ON PROPERTY OF MR. RALPH
 AF6097'WILLIAMS. IT IS 59 FEET EAST OF THE INTERSECTION OF THE SAND

AF6097'ROAD AND A DRIVEWAY TO A CAMERA SITE, 45 FEET NORTHEAST OF THE
AF6097'CENTERLINE OF THE ROAD, 38 FEET EAST OF A FENCE CORNER AND 1
AF6097'FOOT NORTHEAST OF A WITNESS POST. THE MONUMENT PROJECTS 2
AF6097'INCHES AND THE DISK IS STAMPED JACKSON 1936.

AF6097'

AF6097'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 441 AND
AF6097'STATE HIGHWAY S-523 IN KENANSVILLE, GO WEST AND NORTHWEST ON
AF6097'HIGHWAY S-523 FOR 6.2 MILES TO THE END OF THE PAVEMENT. CONTINUE
AF6097'NORTHWEST ON THE GRADED ROAD FOR 3.95 MILES TO A CAMERA SITE
AF6097'ON THE RIGHT AND THE STATION ON THE RIGHT AS DESCRIBED.

AF6097'

AF6097'TO REACH THE AZIMUTH MARKS FROM THE STATION, GO NORTHWEST ON
AF6097'THE SAND ROAD FOR 0.15 MILE TO THE AZIMUTH MARK 1936 ON THE LEFT
AF6097'AS DESCRIBED. CONTINUE NORTHWEST ON THE SAND ROAD FOR 0.55 MILE
AF6097'TO A BRIDGE AND THE AZIMUTH MARK ON THE RIGHT AS DESCRIBED.

AF6097'

AF6097'REFERENCE MARK 1 IS 25 FEET SOUTHWEST OF THE CENTERLINE OF
AF6097'THE ROAD AND 8 FEET SOUTHWEST OF A FENCE. THE MONUMENT IS FLUSH
AF6097'AND THE DISK IS STAMPED JACKSON NO 1 1936.

AF6097'

AF6097'REFERENCE MARK 2 IS 24 FEET SOUTHWEST OF THE CENTERLINE OF THE
AF6097'ROAD, 8 FEET SOUTHWEST OF THE FENCE AND 8 FEET EAST OF A 10 INCH
AF6097'PINE TREE. THE MONUMENT IS FLUSH AND THE DISK IS STAMPED JACKSON
AF6097'NO 2 1936.

AF6097'

AF6097'THE 1936 AZIMUTH MARK IS 26 FEET SOUTHWEST OF THE CENTERLINE
AF6097'OF THE ROAD, AND 7 FEET SOUTHWEST OF THE FENCE. THE MONUMENT
AF6097'PROJECTS 4 INCHES AND THE DISK IS STAMPED JACKSON 1936.

AF6097'

AF6097'THE AZIMUTH MARK NO 2 IS 44 FEET SOUTHEAST OF THE SOUTHEAST
AF6097'EDGE OF THE BRIDGE, 12 FEET EAST OF THE CENTERLINE OF THE ROAD,
AF6097'3 FEET WEST OF A FENCE AND 1 FOOT SOUTH OF A WITNESS POST. THE
AF6097'MONUMENT PROJECTS 6 INCHES AND THE DISK IS STAMPED JACKSON 1936
AF6097'RESET 1960.

AF6097'

AF6097'BC 4 FC 3 IS A STANDARD U.S. COAST AND GEODETIC SURVEY DISK SET
AF6097'IN A DRILL HOLE IN THE CONCRETE APRON OF THE CAMERA SITE. IT IS
AF6097'14.5 FEET NORTHEAST OF A GATE AND 1 FOOT SOUTHWEST OF THE CAMERA
AF6097'PEDESTAL. THE DISK IS FLUSH AND IS STAMPED BC 4 FC 3 1960.

AF6097'

AF6097'BENCH MARK F 198 IS A STANDARD U.S. COAST AND GEODETIC SURVEY
AF6097'BENCH MARK DISK SET IN A DRILL HOLE IN THE CENTER OF THE BASE OF
AF6097'THE CAMERA PEDESTAL. THE DISK IS FLUSH AND IS STAMPED F 198 1960.

AF6097'

AF6097'HEIGHT OF LIGHT ABOVE STATION MARK 34.21 METERS.

AF6097

AF6097

STATION RECOVERY (1965)

AF6097

AF6097'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1965 (JB)

AF6097'RECOVERED ALL MARKS IN GOOD CONDITION ESSENTIALLY AS DESCRIBED
AF6097'IN THE 1960 R NOTE BY G.L.M. THE R.M.S 1 AND 2 AND BOTH PRIOR
AF6097'AZIMUTH MARKS WERE DOOMED BY ROAD CONSTRUCTION AND SO WERE
AF6097'DESTROYED AND DISKS RECLAIMED AFTER SETTING NEW REPLACEMENTS.

AF6097'

AF6097'ABOUT 10.0 MILES W AND NWLY ALONG NO. S 523 FLORIDA HWY. FROM
AF6097'ITS T-JUNCTION WITH NO. 441 U.S. HWY. AT KENANSVILLE OR 4.0 MILES
AF6097'NWLY ALONG THE SAND-ROAD PORTION OF THE HWY. FROM THE WLY END OF
AF6097'THE PRESENT PAVEMENT, 48 FEET SE OF THE 75- OR 100-FOOT CREOSOTED
AF6097'ANTENNAE SUPPORT POLE AT NO. 72 U.S. AIR FORCE MISSILE TRACKING
AF6097'ANNEX, 31-1/2 FEET SE OF THE S CORNER OF THE 12- BY 16-FOOT
AF6097'SIZED AND SELY ONE OF TWO CONCRETE SLAB FLOORS OR PADS OF THE
AF6097'ANNEX, 49 FEET NE OF CENTER LINE OF HWY. UNDER CONSTRUCTION,
AF6097'2.6 FEET NNW OF STEEL WITNESS POST, ONE FOOT SW OF BARBED
AF6097'WIRE R/W FENCE, FLUSH WITH GROUND.

AF6097'

AF6097'R.M. NO. 3 IS 49 FEET SW OF C/L OF THE HWY., 21 FEET SE OF

AF6097'PROJECTED LINE OF THE SE SIDE OF THE SAID CONCRETE PAD, 1.7 FEET
AF6097'ESE OF STEEL WITNESS POST, FLUSH WITH GROUND.

AF6097'

AF6097'TRAVERSE STATION BC 4 FC 3 IS ON THE NE-SW CENTER LINE OF THE
AF6097'SAID CONCRETE PAD, 5.6 FEET SW OF THE NE SIDE OF SAME, AND 0.5
AF6097'FEET SW OF AN IRON-PIPE PEDESTAL, CEMENTED IN A DRILL HOLE IN
AF6097'TOP OF A PROJECTION OF THE CONCRETE FOUNDATION OF THE PEDESTAL.
AF6097'

AF6097'BENCH MARK NO. F 198 1960 IS CEMENTED IN A DRILL HOLE DIRECTLY
AF6097'UNDER THE PIPE PEDESTAL, VISIBLE THRU A HOLE IN THE BOTTOM OF
AF6097'THE PIPE BUT NOT OBSERVED BECAUSE OF THE PIPE OBSTRUCTING FROM
AF6097'THE STATION. IT IS A FOOT NE OF THE NEXT-ABOVE TRAVERSE
AF6097'STATION AND ACCORDING TO THE 1960 R NOTE 40.41 FEET OR 12.316
AF6097'METERS N 6 DEG 37 MIN W FROM THE STATION WHICH
AF6097'APPEARS CORRECT.

AF6097'

AF6097'THE 1965 AZIMUTH MARK IS 49 FEET NE OF CENTER LINE OF THE
AF6097'HWY. UNDER CONSTRUCTION AND 1.5 FEET SE OF STEEL WITNESS POST.
AF6097'

AF6097'AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN
AF6097'9 MILES WNW.

AF6097

STATION RECOVERY (1965)

AF6097

AF6097'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1965
AF6097'10.3 MI WNW FROM KENANSVILLE.

AF6097'10.3 MILES W AND NORTHWESTERLY ALONG NO. S 523 FLORIDA HWY. FROM
AF6097'ITS JUNCTION WITH NO. 441 U.S. HWY. AT KENANSVILLE OR 4.0 MILES
AF6097'NORTHWESTERLY ALONG SAID HWY. NOW UNPAVED FROM THE WESTERLY END
AF6097'OF PRESENT PAVEMENT, 48 FEET SE OF A 75- OR POSSIBLY 100-FOOT
AF6097'CREOSOTED POLE ANTENNA AT U.S. AIR FORCE MISSILE TRACKING ANNEX
AF6097'NO. 72 WHICH IS FURTHER MARKED BY TWO CONCRETE FLOOR SLABS OR
AF6097'PADS, 31-1/2 FEET SE OF THE S CORNER OF THE SOUTHEASTERLY ONE
AF6097'OF THESE TWO PADS A 12- BY 16-FOOT SLAB, 49 FEET NE OF CENTER LINE
AF6097'OF THE PROPOSED NEW HWY., 2.6 FEET NW OF STEEL WITNESS POST, AND
AF6097'ONE FOOT SW OF BARBED WIRE FENCE, A STANDARD TRIANGULATION
AF6097'STATION DISK IN A SQUARE CONCRETE POST THAT IS FLUSH WITH THE
AF6097'GROUND SURFACE.

AF6097

STATION RECOVERY (1981)

AF6097

AF6097'RECOVERY NOTE BY FL DEPT OF NAT RES 1981 (JWM)
AF6097'JACKSON 1936 RECOVERED GOOD.

AF6097'

AF6097'STATION, ALL R.M.S, AND AZIMUTH MARKS WERE RECOVERED IN GOOD
AF6097'CONDITION. IT SHOULD BE NOTED THAT THE AIR FORCE ANTENNA STATION IS
AF6097'GONE, THE ROAD IS COMPLETELY PAVED, AND THE MILEAGE FROM THE
AF6097'T-JUNCTION WITH U.S. 441 IS 10.3 MILES, NOT 10.0 MILES.

AF6097'

AF6097'DISTANCE AND DIRECTION FROM NEAREST TOWN--10.1 MILES WEST OF
AF6097'KENANSVILLE.

AF6097

STATION RECOVERY (1983)

AF6097

AF6097'RECOVERY NOTE BY FL DEPT OF NAT RES 1983 (KKH)
AF6097'THE STATION IS ABOUT 10.7 MILES WEST-NORTHWEST OF KENANSVILLE AND
AF6097'26.2 MILES SOUTHEAST OF SAINT CLOUD.

AF6097'

AF6097'THE STATION WAS RECOVERED AS DESCRIBED.

AF6097

STATION RECOVERY (1983)

AF6097

AF6097'RECOVERY NOTE BY FL DEPT OF NAT RES 1983
AF6097'RECOVERED IN GOOD CONDITION.

AF6097

STATION RECOVERY (1992)

AF6097

AF6097

AF6097'RECOVERY NOTE BY HEIDT AND ASSOCIATES INCORPORATED 1992

AF6097'RECOVERED IN GOOD CONDITION.

AF6097

AF6097

STATION RECOVERY (2003)

AF6097

AF6097'RECOVERY NOTE BY FL DEPT OF ENV PRO 2003 (BPJ)

AF6097'RECOVERED AS DESCRIBED.

AF6097'

AF6097'NOTE UNKNOWN MAGNETISM.

AF6097

AF6097

STATION RECOVERY (2008)

AF6097

AF6097'RECOVERY NOTE BY GEOCACHING 2008 (ARG)

AF6097'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AF7746 *****
AF7746 DESIGNATION -  BREVARD GPS 1051
AF7746 PID          -  AF7746
AF7746 STATE/COUNTY-  FL/INDIAN RIVER
AF7746 COUNTRY      -  US
AF7746 USGS QUAD    -  KENANSVILLE SE (1972)
AF7746
AF7746                                *CURRENT SURVEY CONTROL
AF7746
AF7746* NAD 83(2011) POSITION- 27 49 19.28464(N) 080 52 05.89224(W) ADJUSTED
AF7746* NAD 83(2011) ELLIP HT-  -11.434 (meters) (06/27/12) ADJUSTED
AF7746* NAD 83(2011) EPOCH  - 2010.00
AF7746* NAVD 88 ORTHO HEIGHT - 16.0 (meters) 52. (feet) GPS OBS
AF7746
AF7746 NAVD 88 orthometric height was determined with geoid model GEOID93
AF7746 GEOID HEIGHT - -28.210 (meters) GEOID93
AF7746 GEOID HEIGHT - -27.271 (meters) GEOID12B
AF7746 NAD 83(2011) X - 895,876.532 (meters) COMP
AF7746 NAD 83(2011) Y - -5,573,399.027 (meters) COMP
AF7746 NAD 83(2011) Z - 2,959,071.211 (meters) COMP
AF7746 LAPLACE CORR - -2.78 (seconds) DEFLEC12B
AF7746
AF7746 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AF7746 Standards:
AF7746          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
AF7746          Horiz Ellip                SD_N   SD_E   SD_h          (unitless)
AF7746 -----
AF7746 NETWORK      2.41   5.02                1.04   0.92   2.56          0.07494938
AF7746 -----
AF7746 Click here for local accuracies and other accuracy information.
AF7746
AF7746
AF7746.The horizontal coordinates were established by GPS observations
AF7746.and adjusted by the National Geodetic Survey in June 2012.
AF7746
AF7746.NAD 83(2011) refers to NAD 83 coordinates where the reference
AF7746.frame has been affixed to the stable North American tectonic plate. See
AF7746.NA2011 for more information.
AF7746
AF7746.The horizontal coordinates are valid at the epoch date displayed above
AF7746.which is a decimal equivalence of Year/Month/Day.
AF7746
AF7746.The orthometric height was determined by GPS observations and a
AF7746.high-resolution geoid model.
AF7746
AF7746.Significant digits in the geoid height do not necessarily reflect accuracy.
AF7746.GEOID12B height accuracy estimate available here.
AF7746
AF7746.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AF7746
AF7746.The Laplace correction was computed from DEFLEC12B derived deflections.
AF7746
AF7746.The ellipsoidal height was determined by GPS observations
AF7746.and is referenced to NAD 83.
AF7746

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AF7746. The following values were computed from the NAD 83(2011) position.

AF7746

AF7746;	North	East	Units	Scale Factor	Converg.
AF7746;SPC FL E	- 386,494.104	212,974.388	MT	0.99994325	+0 03 41.3
AF7746;SPC FL E	- 1,268,022.74	698,733.47	sFT	0.99994325	+0 03 41.3
AF7746;UTM 17	- 3,077,494.215	512,969.961	MT	0.99960208	+0 03 41.3

AF7746

AF7746!	Elev Factor	x	Scale Factor	=	Combined Factor
AF7746!SPC FL E	- 1.00000180	x	0.99994325	=	0.99994505
AF7746!UTM 17	- 1.00000180	x	0.99960208	=	0.99960388

AF7746

AF7746:	Primary Azimuth Mark	Grid Az
AF7746:SPC FL E	- BREVARD GPS 1052	089 26 41.8
AF7746:UTM 17	- BREVARD GPS 1052	089 26 41.8

AF7746

AF7746	PID	Reference Object	Distance	Geod. Az
AF7746				dddmmss.s
AF7746	AF7747	BREVARD GPS 1052	APPROX. 0.8 KM	0893023.1

AF7746

SUPERSEDED SURVEY CONTROL

AF7746

AF7746	NAD 83(2007)-	27 49 19.28474(N)	080 52 05.89315(W)	AD(2002.00)	0
AF7746	ELLIP H (02/10/07)	-11.425 (m)		GP(2002.00)	
AF7746	NAD 83(1999)-	27 49 19.28500(N)	080 52 05.89358(W)	AD()	1
AF7746	ELLIP H (06/11/02)	-11.416 (m)		GP()	4 1
AF7746	NAD 83(1990)-	27 49 19.28407(N)	080 52 05.89334(W)	AD()	1
AF7746	NAD 83(1990)-	27 49 19.28407(N)	080 52 05.89334(W)	AD()	1
AF7746	ELLIP H (09/12/94)	-11.327 (m)		GP()	4 1
AF7746	NAVD 88 (09/12/94)	16.0 (m)	GEOID93 model used	GPS OBS	

AF7746

AF7746. Superseded values are not recommended for survey control.

AF7746

AF7746. NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AF7746. [See file dsdata.txt](#) to determine how the superseded data were derived.

AF7746

AF7746_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL1296977494(NAD 83)

AF7746

AF7746_MARKER: I = METAL ROD

AF7746_SETTING: 50 = ALUMINUM ALLOY ROD W/O SLEEVE (10 FT.+)

AF7746_STAMPING: GPS 1051 1993

AF7746_MARK LOGO: FL-009

AF7746_MAGNETIC: A = STEEL ROD ADJACENT TO MONUMENT

AF7746_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AF7746_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AF7746+SATELLITE: SATELLITE OBSERVATIONS - July 08, 2009

AF7746

AF7746	HISTORY	- Date	Condition	Report By
AF7746	HISTORY	- 1993	MONUMENTED	GEOBAS
AF7746	HISTORY	- 20050120	GOOD	FL-009
AF7746	HISTORY	- 20090708	GOOD	FL-009

AF7746

STATION DESCRIPTION

AF7746

AF7746'DESCRIBED BY GEOBASE CONTROL INCORPORATED 1993

AF7746'THE STATION IS LOCATED 23 MI (37.01 KM) SOUTHWEST OF MELBOURNE AND 22

AF7746'MI (35.40 KM) WEST-SOUTHWEST OF GRANT NEAR THE BREVARD-OSCEOLA-INDIAN

AF7746'RIVER COUNTY LINE. FOR ACCESS CONTACT JAMES HOPPER - (407)7249094.

AF7746'TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE 95 AND U.S.

AF7746'HIGHWAY 192, GO WEST ON U.S. HIGHWAY 192, 10.0 MI (16.09 KM) TO THE

AF7746'BREVARD-OSCEOLA COUNTY LINE, CONTINUE WEST ON U.S. HIGHWAY 192, 13.9

AF7746'MI (22.37 KM) TO U.S HIGHWAY 441 ON THE LEFT IN HOLOPAW, TURN LEFT

AF7746'AND GO SOUTH ON U.S. HIGHWAY 441, 19.9 MI (32.03 KM) TO COUNTY ROAD

AF7746'523, CONTINUE SOUTH ON U.S. HIGHWAY 441, 0.4 MI (0.64 KM) TO

AF7746'FELLSMERE ROAD, TURN LEFT AND GO EAST ON FELLSMERE ROAD, 8.4 MI

AF7746' (13.52 KM) TO THE STATION ON THE RIGHT.
AF7746'THE STATION IS AN ALUMINUM ALLOY ROD DRIVEN INTO THE GROUND TO REFUSAL
AF7746'WITH A BREVARD COUNTY LOGO CAP STAMPED ---GPS 1051 1993--- THAT IS
AF7746'FLUSH WITH THE GROUND AND THE STATION IS RECESSED 6 INCHES BELOW THE
AF7746'GROUND. IT IS 6.5 FT (1.98 M) NORTH OF A HOG WIRE FENCE. NOTE THE
AF7746'HORIZONTAL CONTROL POINT IS A PUNCH MARK ON THE ALUMINUM ALLOY ROD
AF7746'THAT IS ACCESSED THROUGH A 5-1/2 INCH ACCESS COVER.

AF7746'REFERENCES--

AF7746'PK NAIL AND ---REF. PT. LB 3639--- DISK SET IN THE EAST FACE OF A
AF7746'12 INCH PINE TREE ON A MAGNETIC AZIMUTH OF 180 DEGREES AT 94.68 FT
AF7746' (28.86 M).

AF7746'IRON ROD AND ---REF. PT. LB 3639--- CAP SET 1 FT (0.30 M) NORTH OF A
AF7746'HOG WIRE FENCE ON A MAGNETIC AZIMUTH OF 270 DEGREES AT 126.57 FT
AF7746' (38.58 M).

AF7746'PK NAIL AND ---REF. PT. LB 3639--- DISK SET IN THE NORTHWEST FACE OF A
AF7746'PALM TREE ON A MAGNETIC AZIMUTH OF 315 DEGREES AT 130.76 FT (39.86 M)
AF7746'.

AF7746

AF7746 STATION RECOVERY (2005)

AF7746

AF7746'RECOVERY NOTE BY BREVARD COUNTY FLORIDA 2005 (SRV)

AF7746'RECOVERED IN GOOD CONDITION.

AF7746

AF7746 STATION RECOVERY (2009)

AF7746

AF7746'RECOVERY NOTE BY BREVARD COUNTY FLORIDA 2009 (SRV)

AF7746'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AF6134 *****
AF6134 CBN          -  This is a Cooperative Base Network Control Station.
AF6134 DESIGNATION -  COON
AF6134 PID          -  AF6134
AF6134 STATE/COUNTY-  FL/OSCEOLA
AF6134 COUNTRY     -  US
AF6134 USGS QUAD   -  LAKE MARIAN SE (1972)
AF6134
AF6134                      *CURRENT SURVEY CONTROL
AF6134
AF6134*  -----
AF6134*  NAD 83(2011) POSITION- 27 45 12.40266(N) 081 04 30.16274(W)  ADJUSTED
AF6134*  NAD 83(2011) ELLIP HT-   -5.393 (meters)                (06/27/12)  ADJUSTED
AF6134*  NAD 83(2011) EPOCH   - 2010.00
AF6134*  NAVD 88 ORTHO HEIGHT -   21.232 (meters)                69.66 (feet) ADJUSTED
AF6134
AF6134  -----
AF6134  NAD 83(2011) X   -   876,310.584 (meters)                COMP
AF6134  NAD 83(2011) Y   -  -5,580,100.632 (meters)                COMP
AF6134  NAD 83(2011) Z   -   2,952,350.835 (meters)                COMP
AF6134  LAPLACE CORR    -         0.03 (seconds)                DEFLEC12B
AF6134  GEOID HEIGHT    -        -26.625 (meters)                GEOID12B
AF6134  DYNAMIC HEIGHT  -         21.201 (meters)                69.56 (feet) COMP
AF6134  MODELED GRAVITY  -   979,178.5 (mgal)                NAVD 88
AF6134
AF6134  VERT ORDER      -  FIRST      CLASS II
AF6134
AF6134  Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AF6134  Standards:
AF6134      FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
AF6134      Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
AF6134  -----
AF6134  NETWORK      0.82   1.27              0.34   0.33   0.65      0.04824991
AF6134  -----
AF6134  Click here for local accuracies and other accuracy information.
AF6134
AF6134
AF6134.The horizontal coordinates were established by GPS observations
AF6134.and adjusted by the National Geodetic Survey in June 2012.
AF6134
AF6134.NAD 83(2011) refers to NAD 83 coordinates where the reference
AF6134.frame has been affixed to the stable North American tectonic plate. See
AF6134.NA2011 for more information.
AF6134
AF6134.The horizontal coordinates are valid at the epoch date displayed above
AF6134.which is a decimal equivalence of Year/Month/Day.
AF6134
AF6134.The orthometric height was determined by differential leveling and
AF6134.adjusted by the NATIONAL GEODETIC SURVEY
AF6134.in June 1991.
AF6134
AF6134.Significant digits in the geoid height do not necessarily reflect accuracy.
AF6134.GEOID12B height accuracy estimate available here.
AF6134
AF6134.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AF6134
AF6134.The Laplace correction was computed from DEFLEC12B derived deflections.

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AF6134

AF6134.The ellipsoidal height was determined by GPS observations
AF6134.and is referenced to NAD 83.

AF6134

AF6134.The dynamic height is computed by dividing the NAVD 88
AF6134.geopotential number by the normal gravity value computed on the
AF6134.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AF6134.degrees latitude (g = 980.6199 gals.).

AF6134

AF6134.The modeled gravity was interpolated from observed gravity values.

AF6134

AF6134. The following values were computed from the NAD 83(2011) position.

AF6134

AF6134;		North	East	Units	Scale	Factor	Converg.
AF6134;SPC FL E	-	378,890.269	192,602.115	MT	0.99994185	-0 02	05.8
AF6134;SPC FL E	-	1,243,075.82	631,895.44	sFT	0.99994185	-0 02	05.8
AF6134;UTM 17	-	3,069,892.975	492,604.639	MT	0.99960068	-0 02	05.8

AF6134

AF6134!		Elev Factor	x	Scale Factor	=	Combined Factor
AF6134!SPC FL E	-	1.00000085	x	0.99994185	=	0.99994270
AF6134!UTM 17	-	1.00000085	x	0.99960068	=	0.99960153

AF6134

AF6134:		Primary Azimuth Mark	Grid Az
AF6134:SPC FL E	-	M 197	297 46 55.1
AF6134:UTM 17	-	M 197	297 46 55.1

AF6134

AF6134	PID	Reference Object	Distance	Geod. Az
AF6134				dddmss.s
AF6134	AF6136	COON RM 1	41.325 METERS	12146
AF6134	CW7009	COON AZ MK 2		1782810.8
AF6134	AF6137	COON RM 2	42.987 METERS	25304
AF6134	CW7008	COON AZ MK	358.500 METERS	29353
AF6134	AF6132	M 197		2974449.3
AF6134	AF6778	COON RM 4	25.486 METERS	29941
AF6134	AF6138	COON RM 3	26.719 METERS	31712
AF6134	AF6139	L 197	35.627 METERS	32419
AF6134	AF6140	BC 4 SAN 2	35.298 METERS	32439

AF6134

AF6134

SUPERSEDED SURVEY CONTROL

AF6134

AF6134	NAD 83(2007)-	27 45 12.40289(N)	081 04 30.16404(W)	AD(2002.00)	0
AF6134	ELLIP H (02/10/07)	-5.397 (m)		GP(2002.00)	
AF6134	NAD 83(1999)-	27 45 12.40280(N)	081 04 30.16400(W)	AD()	B
AF6134	ELLIP H (05/31/01)	-5.376 (m)		GP()	5 1
AF6134	NAD 83(1990)-	27 45 12.40198(N)	081 04 30.16367(W)	AD()	B
AF6134	ELLIP H (09/13/90)	-5.341 (m)		GP()	4 1
AF6134	NAD 83(1986)-	27 45 12.40832(N)	081 04 30.17964(W)	AD()	1
AF6134	NAD 27	- 27 45 11.30415(N)	081 04 30.94502(W)	AD()	1
AF6134	NAVD 88 (01/28/04)	21.30 (m)	GEOID99 model used	GPS OBS	
AF6134	NAVD 88 (07/29/93)	21.23 (m)	69.7 (f)	LEVELING	3
AF6134	NGVD 29 (??/??/92)	21.598 (m)	70.86 (f)	ADJ UNCH	2 0
AF6134	NGVD 29 (07/19/86)	21.60 (m)	70.9 (f)	LEVELING	3

AF6134

AF6134.Superseded values are not recommended for survey control.

AF6134

AF6134.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AF6134.[See file dsdata.txt](#) to determine how the superseded data were derived.

AF6134

AF6134_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML9260469892(NAD 83)

AF6134

AF6134_MARKER: DS = TRIANGULATION STATION DISK

AF6134_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AF6134_STAMPING: COON 1936

AF6134_MARK LOGO: CGS

AF6134_PROJECTION: FLUSH

AF6134_MAGNETIC: N = NO MAGNETIC MATERIAL

AF6134_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AF6134+STABILITY: SURFACE MOTION

AF6134_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AF6134+SATELLITE: SATELLITE OBSERVATIONS - April 12, 2007

AF6134

AF6134	HISTORY	- Date	Condition	Report By
AF6134	HISTORY	- 1936	MONUMENTED	CGS
AF6134	HISTORY	- 1960	GOOD	CGS
AF6134	HISTORY	- 1960	GOOD	CGS
AF6134	HISTORY	- 1960	GOOD	CGS
AF6134	HISTORY	- 1963	GOOD	CGS
AF6134	HISTORY	- 1979	GOOD	NGS
AF6134	HISTORY	- 19890217	GOOD	NGS
AF6134	HISTORY	- 19910501	GOOD	KEISCH
AF6134	HISTORY	- 19920901	GOOD	HEIDT
AF6134	HISTORY	- 19930217	GOOD	NGS
AF6134	HISTORY	- 19950109	GOOD	ADRGs
AF6134	HISTORY	- 19981128	GOOD	DENI
AF6134	HISTORY	- 20000106	GOOD	FLDEP
AF6134	HISTORY	- 20010807	GOOD	FLDEP
AF6134	HISTORY	- 20030403	GOOD	FLDEP
AF6134	HISTORY	- 20050120	GOOD	INDIV
AF6134	HISTORY	- 20070412	GOOD	FLDEP

AF6134

AF6134

STATION DESCRIPTION

AF6134

AF6134'DESCRIBED BY COAST AND GEODETIC SURVEY 1936 (EBL)

AF6134'STATION IS ABOUT 13.4 MILES BY ROAD SW OF KENANSVILLE, 43 MILES

AF6134'N BY W OF OKEECHOBEE, 11.0 MILES WESTWARD OF THE CROSSROADS

AF6134'JUNCTION OF STATE HIGHWAYS 29 AND 30, 0.1 MILE W OF GATEWAY TO

AF6134'COON HAMMOCK, AND OPPOSITE A CURVE SIGN, WHICH STANDS ON THE S

AF6134'SIDE OF ROADWAY. IT IS ON THE N SIDE OF THE ROAD, IN OPEN

AF6134'GRASSLAND AND, 51 FEET N OF THE CENTER LINE OF ROAD. MARK

AF6134'PROJECTS 6 INCHES.

AF6134'

AF6134'SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD

AF6134'BRONZE DISKS SET IN CONCRETE.

AF6134'

AF6134'REFERENCE MARK NO. 1 IS ESE OF THE STATION, 44 FEET N OF THE

AF6134'CENTER LINE OF THE ROAD. MARK PROJECTS 6 INCHES.

AF6134'

AF6134'REFERENCE MARK NO. 2 IS WSW OF THE STATION, 51 FEET S OF THE

AF6134'CENTER LINE OF THE ROAD, AND 1/2 FOOT N OF FENCE LINE. MARK

AF6134'PROJECTS 2 INCHES.

AF6134'

AF6134'AZIMUTH MARK IS W OF THE STATION, 50 FEET S OF THE CENTER LINE

AF6134'OF THE ROAD, AND 2 FEET N OF FENCE LINE. MARK PROJECTS 2 INCHES.

AF6134'

AF6134'TO REACH FROM THE JUNCTION OF STATE HIGHWAYS 29 AND 30, WHICH

AF6134'IS ABOUT 32.0 MILES N OF OKEECHOBEE, GO WESTWARD ON STATE HIGHWAY

AF6134'30 FOR 11.0 MILES TO THE STATION ON RIGHT.

AF6134'

AF6134'ALL LIGHTS COME INTO VIEW AT 50 FEET.

AF6134'

AF6134'HEIGHT OF LIGHT ABOVE STATION MARK 34.7 METERS.

AF6134

AF6134

STATION RECOVERY (1960)

AF6134

AF6134'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1960 (ALW)

AF6134'THIS STATION WAS RECOVERED IN AUGUST 1960. THE STATION, R.M. 1

AF6134'AND R.M. 2 WERE FOUND IN GOOD CONDITION.

AF6134'

AF6134'THE AZIMUTH MARK WAS SEARCHED FOR BUT NOT RECOVERED.

AF6134'

AF6134'THE STATION IS LOCATED 33.3 MILES EAST OF LAKE WALES, ALONG
AF6134'STATE HIGHWAY 60, 7.9 MILES EAST OF THE EAST END OF THE HIGHWAY
AF6134'BRIDGE OVER THE KISSIMMEE RIVER, 52 FT. NORTH NORTHEAST OF THE
AF6134'CENTER LINE OF THE HIGHWAY, 47 FT. SOUTH SOUTHWEST OF THE FENCE
AF6134'AROUND A U.S. GOVERNMENT COMMUNICATIONS STATION, 18 FT. EAST
AF6134'SOUTHEAST OF POWER POLE 17-294, 40 FT. WEST OF THE CENTER LINE
AF6134'OF A PRIVATE DIRT ROAD LEADING NORTH, 30 FT. WEST NORTHWEST OF
AF6134'THE WEST END OF A WIRE GATE, 2.1 FT. NORTH OF A FENCE 1.6 FT.
AF6134'NORTH OF A STEEL WITNESS POST, A TRIANGULATION STATION DISK
AF6134'SET IN THE TOP OF A SQUARE CONCRETE POST WHICH PROJECTS 0.3 FT.
AF6134'ABOVE THE GROUND, STAMPED COON 1936.

AF6134'

AF6134'R.M. 1 IS 136.62 FT. OR 41.643 METERS EAST SOUTHEAST OF THE
AF6134'STATION, 45 FT. NORTH NORTHEAST OF THE CENTER LINE OF THE
AF6134'HIGHWAY, 92 FT. EAST SOUTHEAST OF THE CENTER LINE OF THE DIRT
AF6134'ROAD LEADING NORTH, 81 FT. EAST SOUTHEAST OF THE EAST END OF THE
AF6134'WIRE GATE, 4.5 FT. SOUTH SOUTHWEST OF A FENCE, 1.3 FT. WEST OF
AF6134'A STEEL WITNESS POST, A REFERENCE MARK DISK SET IN THE TOP OF A
AF6134'SQUARE CONCRETE POST WHICH PROJECTS 0.2 FT. ABOVE THE GROUND,
AF6134'STAMPED COON NO 2 1936.

AF6134'

AF6134'R.M. 2 IS 141.03 FT. OR 42.987 METERS SOUTH SOUTHWEST OF THE
AF6134'STATION, 48.5 FT. SOUTH SOUTHWEST OF THE CENTER LINE OF THE
AF6134'HIGHWAY, 144 FT. WEST OF THE EXTENDED CENTER LINE OF THE DIRT
AF6134'ROAD LEADING NORTH, 6 FT. NORTH OF A FENCE, 1.0 FT. WEST OF A
AF6134'STEEL WITNESS POST, A REFERENCE MARK DISK SET IN THE TOP OF A
AF6134'SQUARE CONCRETE POST WHICH PROJECTS 0.2 FT. ABOVE THE GROUND,
AF6134'STAMPED COON NO 1 1936.

AF6134'

AF6134'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 27A AND
AF6134'STATE HIGHWAY 60 AT LAKE WALES GO 33.3 MILES EAST ALONG STATE
AF6134'HIGHWAY 60 TO A U.S. GOVERNMENT COMMUNICATIONS STATION AND THE
AF6134'STATION ON THE LEFT.

AF6134'

AF6134'NOTE--THE STEEL WITNESS POSTS WERE SET AT THIS TIME.

AF6134

AF6134

STATION RECOVERY (1960)

AF6134

AF6134'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1960 (GWM)

AF6134'THE STATION MARK, REFERENCE MARK 1 AND REFERENCE MARK 2 WERE
AF6134'RECOVERED IN GOOD CONDITION. THE AZIMUTH MARK WAS SEARCHED FOR
AF6134'BUT NOT LOCATED. THE REFERENCE MEASUREMENTS TO THE MARKS
AF6134'CHECKED. THE DIRECTION TO REFERENCE MARK 1 CHECKED BUT THE
AF6134'DISTANCE WAS FOUND TO BE 1.05 FEET SMALLER THAN PREVIOUSLY
AF6134'MEASURED. THE DISTANCE AND DIRECTION TO REFERENCE MARK 2
AF6134'CHECKED. A TOWER COULD NOT BE BUILT OVER THE STATION* SO A
AF6134'REFERENCE MARK 3 WAS ESTABLISHED AND THE TOWER WAS BUILT OVER
AF6134'IT. A TRAVERSE CONNECTION WAS MADE FROM THE STATION TO
AF6134'REFERENCE MARK 3. BENCH MARK M 197 WAS USED AS AN AZIMUTH MARK.
AF6134'A COMPLETE NEW DESCRIPTION AND TO REACH FOLLOWS.

AF6134'

AF6134'THE STATION IS ABOUT 43 MILES NORTHWEST OF VERO BEACH, AND 10
AF6134'MILES SOUTHWEST OF KENANSVILLE IN THE NE 1/4 OF SEC. 25, T. 31
AF6134'S., R. 32 E. ON THE PROPERTY OF MR. ALTO ADAMS OF FORT PIERCE,
AF6134'FLORIDA. IT IS 52 FEET NORTH OF THE CENTERLINE OF A PAVED ROAD,
AF6134'40 FEET WEST OF THE CENTERLINE OF A DRIVEWAY, 17 FEET EAST OF A
AF6134'POWER POLE, 2 FEET NORTH OF AN EAST-WEST FENCE, AND 1-1/2 FEET
AF6134'NORTH OF A WITNESS POST. THE MONUMENT PROJECTS 3 INCHES AND
AF6134'THE DISK IS STAMPED COON 1936.

AF6134'

AF6134'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 441 AND
AF6134'STATE HIGHWAY 60 IN YEEHAW JUNCTION, GO WESTERLY ON HIGHWAY 60
AF6134'FOR 10.95 MILES TO STATION AND BC-4 SITE (U.S. GOVERNMENT
AF6134'PROJECT) ON THE RIGHT.

AF6134'

AF6134'TO REACH BENCH MARK M 197 FROM THE STATION, GO WEST ON HIGHWAY

AF6134'60 FOR 1.0 MILE TO THE MARK ON THE LEFT.

AF6134'

AF6134'REFERENCE MARK 1 IS 46 FEET NORTH OF THE CENTERLINE OF A PAVED
AF6134'ROAD, AND 5 FEET SOUTH OF A WIRE FENCE. THE MONUMENT PROJECTS
AF6134'3 INCHES AND THE DISK IS STAMPED COON NO 1 1936.

AF6134'

AF6134'REFERENCE MARK 2 IS 49 FEET SOUTH OF THE CENTERLINE OF THE PAVED
AF6134'ROAD, AND 1 FOOT NORTH OF A WIRE FENCE. THE MONUMENT IS FLUSH
AF6134'AND THE DISK IS STAMPED COON NO 2 1936.

AF6134'

AF6134'REFERENCE MARK 3 IS 80 FEET NORTH OF THE CENTERLINE OF THE PAVED
AF6134'ROAD, 30 FEET NORTH OF A WIRE FENCE, 12 FEET SOUTH OF A WIRE
AF6134'FENCE, AND 72 FEET NORTHWEST OF THE WITNESS POST. THE MONUMENT
AF6134'PROJECTS 1 INCH AND THE DISK IS STAMPED COON NO 3 1960.

AF6134'

AF6134'BENCH MARK M 197 IS A STANDARD U.S. COAST AND GEODETIC SURVEY
AF6134'BENCH MARK DISK STAMPED M 197 1960 SET IN A ROUND CONCRETE MARK
AF6134'(12 INCHES IN DIAMETER) THAT PROJECTS 3 INCHES. THE MARK IS 48
AF6134'FEET SOUTH OF THE CENTERLINE OF A PAVED ROAD, 12 FEET NORTHEAST
AF6134'OF AN EAST GATEPOST, 8 FEET NORTH OF A WIRE FENCE, AND 2 FEET
AF6134'NORTHWEST OF A WITNESS POST.

AF6134'

AF6134'*TOWER COULD NOT BE BUILT OVER STATION BECAUSE OF OVERHEAD
AF6134'POWER LINES.

AF6134

AF6134

STATION RECOVERY (1960)

AF6134

AF6134'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1960

AF6134'42.8 MI W FROM VERO BEACH.

AF6134'42.85 MILES WEST ALONG STATE HIGHWAY 60 FROM THE CROSSING OF
AF6134'THE ATLANTIC COAST LINE RAILROAD AT VERO BEACH, ABOUT 10.9
AF6134'MILES NORTHWEST OF THE INTERSECTION OF U.S. HIGHWAY 441 AT
AF6134'YEEHAW JUNCTION, 3.1 MILES SOUTHEAST OF A 75-FOOT CONCRETE HIGHWAY
AF6134'BRIDGE OVER BLANKET BAY SLOUGH, 0.1 MILE NORTHWEST OF THE
AF6134'JUNCTION OF A DIRT ROAD LEADING SOUTHWEST, AT THE JUNCTION OF A
AF6134'PRIVATE SAND ROAD LEADING NORTH ACROSS AN OPEN FIELD, 52 FEET
AF6134'NORTHEAST OF THE CENTER LINE OF THE HIGHWAY, 40 FEET NORTHWEST
AF6134'OF THE CENTER LINE OF PRIVATE SAND ROAD, 68 FEET NORTH OF THE
AF6134'CENTER OF JUNCTION, 17 1/2 FEET SOUTHEAST OF A POWER LINE POLE
AF6134'SUPPORTING A TRANSFORMER (POLE NO. 17-294 AND IS THE FIRST POLE
AF6134'NORTHWEST OF THE PRIVATE ROAD), 55 1/2 FEET SOUTHWEST OF THE SOUTH
AF6134'CORNER OF THE FENCE AROUND THE CAMERA PADS ON PROPERTY OF U.S.
AF6134'GOVERNMENT, 2 FEET NORTHEAST OF HIGHWAY RIGHT-OF-WAY FENCE LINE,
AF6134'1 1/2 FEET NORTHEAST OF A STEEL WITNESS POST, ABOUT 2 FEET
AF6134'BELOW THE LEVEL OF THE HIGHWAY, AND SET IN THE TOP OF A CONCRETE
AF6134'POST PROJECTING 5 INCHES. STEEL WITNESS POST WAS SET NEARBY.

AF6134

AF6134

STATION RECOVERY (1963)

AF6134

AF6134'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1963

AF6134'RECOVERED IN GOOD CONDITION.

AF6134

AF6134

STATION RECOVERY (1979)

AF6134

AF6134'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1979 (CLN)

AF6134'THE STATION MARK, REFERENCE MARK 2 AND 3 WERE RECOVERED AND FOUND IN
AF6134'GOOD CONDITION. REFERENCE MARK 1 AND AZIMUTH MARK HAVE BEEN DESTROYED
AF6134'BY ROAD CONSTRUCTION. AN AZIMUTH MARK AND REFERENCE MARK 4 WERE SET
AF6134'AT THIS TIME. A POLARIS OBSERVATION WAS OBSERVED TO THE AZIMUTH
AF6134'MARK. THE DISTANCE TO REFERENCE MARK 2 CHECKED. REFERENCE MARK 3
AF6134'WAS TIED AT THIS VISIT. DUE TO CHANGES, A COMPLETE NEW DESCRIPTION
AF6134'FOLLOWS.

AF6134'

AF6134'STATION IS ABOUT 43.0 MILES NORTHWEST OF VERO BEACH, 10.95 MILES WEST
AF6134'OF YEEHAW JUNCTION, 10.0 MILES SOUTHEAST OF KENANSVILLE AND ON
AF6134'PROPERTY OF MR. BUD ADAMS, HIGHWAY 68, FORT PIERCE.

AF6134'

AF6134'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 441 AND STATE
AF6134'HIGHWAY 60 AT YEEHAW JUNCTION, GO WEST ON STATE HIGHWAY 60 FOR 10.85
AF6134'MILES TO A SHELL ROAD ON LEFT TO THE SOUTHWEST. (TO REACH THE
AF6134'AZIMUTH MARK FROM HERE, GO SOUTHWEST ON SHELL ROAD FOR 0.2 MILE TO
AF6134'THE MARK ON RIGHT). CONTINUE NORTHWEST ON STATE HIGHWAY 60 FOR 0.1
AF6134'MILE TO THE STATION ON RIGHT AT GATE.

AF6134'

AF6134'STATION MARKS ARE STANDARD DISKS STAMPED COON 1936. THE SURFACE MARK
AF6134'IS SET IN THE TOP OF A 12-INCH SQUARE CONCRETE MONUMENT THAT PROJECTS
AF6134'4-INCHES ABOVE THE GROUND. IT IS 52.5 FEET NORTHEAST OF CENTER OF
AF6134'STATE HIGHWAY 60, 50.5 FEET NORTHWEST OF A LONE PALMETTO TREE, 38.5
AF6134'FEET NORTHWEST OF THE CENTER OF A GATE TO FIELD, 18.0 FEET SOUTHEAST
AF6134'OF POWER POLE 17-294 AND 2.0 FEET NORTHEAST OF A BARB WIRE FENCE AND
AF6134'METAL WITNESS POST. THE UNDERGROUND DISK IS SET IN TOP OF AN
AF6134'IRREGULAR MASS OF CONCRETE.

AF6134'

AF6134'REFERENCE MARK 2 A STANDARD DISK STAMPED COON NO 2 1936, IS SET IN
AF6134'THE TOP OF A 12-INCH SQUARE CONCRETE MONUMENT THAT IS 4-INCHES BELOW
AF6134'THE GROUND SURFACE. IT IS 49.0 FEET SOUTHWEST OF THE CENTER OF STATE
AF6134'HIGHWAY 60 AND 5.0 FEET NORTHEAST OF FENCE AND METAL WITNESS POST.

AF6134'

AF6134'REFERENCE MARK 3 A STANDARD DISK STAMPED COON NO 3 1936, IS SET IN
AF6134'THE TOP OF A 12-INCH SQUARE CONCRETE MONUMENT THAT IS 2-INCHES BELOW
AF6134'THE GROUND SURFACE. IT IS 137.0 FEET NORTHWEST OF THE PALMETTO TREE,
AF6134'80.0 FEET NORTHEAST OF THE CENTER OF STATE HIGHWAY 60, 30.0 FEET
AF6134'NORTHEAST OF THE WIRE FENCE, 72.0 FEET NORTHWEST OF POWER LINE POLE
AF6134'17-294, 126.0 FEET NORTHWEST OF THE GATE AND 31.5 FEET
AF6134'SOUTH-SOUTHEAST OF THE WEST CORNER OF THE CONCRETE PAD.

AF6134'

AF6134'REFERENCE MARK 4 A STANDARD DISK STAMPED COON 1936 NO 4 1979, IS SET
AF6134'IN THE TOP OF A 12-INCH ROUND CONCRETE MONUMENT THAT IS SET FLUSH
AF6134'WITH THE GROUND. IT IS 66.5 FEET NORTHWEST OF THE POWER POLE 17-294,
AF6134'54.0 FEET NORTHEAST OF THE CENTER OF STATE HIGHWAY 60, 50.0 FEET
AF6134'SOUTH OF THE WEST CORNER OF CONCRETE PAD AND 3.5 FEET NORTHEAST OF
AF6134'THE FENCE AND METAL WITNESS POST.

AF6134'

AF6134'AZIMUTH MARK A STANDARD DISK STAMPED COON 1936 1979, IS SET IN THE
AF6134'TOP OF A 12-INCH ROUND CONCRETE MONUMENT THAT IS SET FLUSH WITH THE
AF6134'GROUND SURFACE. IT IS 31.0 FEET NORTHWEST OF THE CENTER OF ROAD, 3.0
AF6134'FEET NORTH OF POWER LINE POLE 3, 2.0 FEET SOUTHEAST OF A BARB WIRE
AF6134'FENCE, 1.5 FEET SOUTHEAST OF A METAL WITNESS POST AND MARK IS AT 3RD
AF6134'POWER LINE POLE SOUTHWEST OF STATE HIGHWAY 60.

AF6134

AF6134

STATION RECOVERY (1989)

AF6134

AF6134'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1989

AF6134'THE STATION IS LOCATED ABOUT 69.2 KM (43.00 MI) NORTHWEST OF VERO
AF6134'BEACH, 17.7 KM (11.00 MI) WEST OF YEEHAW JUNCTION, 16.1 KM (10.00 MI)
AF6134'SOUTHEAST OF KENANSVILLE. OWNERSHIP--MR. BUD ADAMS, PHONE
AF6134'407-465-3510.

AF6134'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 441 AND STATE
AF6134'HIGHWAY 60 AT YEEHAW JUNCTION, GO WEST FOR 17.46 KM (10.85 MI) ON
AF6134'HIGHWAY 60 TO A SHELL ROAD LEFT, LEADING SOUTHWEST. CONTINUE
AF6134'NORTHWEST FOR 0.16 KM (0.10 MI) ON HIGHWAY 60 TO THE STATION ON RIGHT
AF6134'AT GATE.

AF6134'THE STATION PROJECTS 10 CM ABOVE GROUND. LOCATED 16.0 M (52.5 FT)
AF6134'NORTHEAST FROM THE APPROXIMATE CENTER OF HIGHWAY, 15.4 M (50.5 FT)
AF6134'NORTHWEST FROM A LONE PALMETTO TREE, 11.7 M (38.4 FT) NORTHWEST FROM
AF6134'THE CENTER OF A GATE TO FIELD, 5.5 M (18.0 FT) SOUTHEAST FROM UTILITY
AF6134'POLE NUMBER 17-294 AND 0.6 M (2.0 FT) NORTHEAST FROM A BARBED WIRE
AF6134'FENCE AND WITNESS POST.

AF6134'DESCRIBED BY F.W. ROSSMANN.

AF6134

AF6134

STATION RECOVERY (1991)

AF6134

AF6134'RECOVERY NOTE BY KEITH AND SCHNARS - LAKELAND 1991
AF6134'RECOVERED IN GOOD CONDITION.
AF6134
AF6134 STATION RECOVERY (1992)
AF6134
AF6134'RECOVERY NOTE BY HEIDT AND ASSOCIATES INCORPORATED 1992
AF6134'RECOVERED IN GOOD CONDITION.
AF6134
AF6134 STATION RECOVERY (1993)
AF6134
AF6134'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993
AF6134'THE STATION IS LOCATED ABOUT 69.2 KM (43.00 MI) NORTHWEST OF VERO
AF6134'BEACH, 17.7 KM (11.00 MI) WEST OF YEEHAW JUNCTION, 16.1 KM
AF6134'(10.00 MI) SOUTHEAST OF KENANSVILLE. OWNERSHIP--MR. BUD ADAMS, PHONE
AF6134'407-465-3510.
AF6134'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 441 AND STATE
AF6134'HIGHWAY 60 AT YEEHAW JUNCTION, GO WEST FOR 17.46 KM (10.85 MI) ON
AF6134'HIGHWAY 60 TO A SHELL ROAD LEFT, LEADING SOUTHWEST. CONTINUE
AF6134'NORTHWEST FOR 0.16 KM (0.10 MI) ON HIGHWAY 60 TO THE STATION ON RIGHT
AF6134'AT GATE.
AF6134'THE STATION PROJECTS 10 CM ABOVE GROUND. LOCATED 16.0 M (52.5 FT)
AF6134'NORTHEAST FROM THE APPROXIMATE CENTER OF HIGHWAY, 15.4 M (50.5 FT)
AF6134'NORTHWEST FROM A LONE PALMETTO TREE, 11.7 M (38.4 FT) NORTHWEST FROM
AF6134'THE CENTER OF A GATE TO FIELD, 5.5 M (18.0 FT) SOUTHEAST FROM UTILITY
AF6134'POLE NUMBER 17-294 AND 0.6 M (2.0 FT) NORTHEAST FROM A BARBED WIRE
AF6134'FENCE AND WITNESS POST.
AF6134
AF6134 STATION RECOVERY (1995)
AF6134
AF6134'RECOVERY NOTE BY ADR GEODETIC SERVICES 1995 (BAW)
AF6134'RECOVERED AS DESCRIBED.
AF6134
AF6134 STATION RECOVERY (1998)
AF6134
AF6134'RECOVERY NOTE BY DENI ASSOCIATES INCORPORATED 1998 (RLW)
AF6134'RECOVERED AS DESCRIBED.
AF6134
AF6134 STATION RECOVERY (2000)
AF6134
AF6134'RECOVERY NOTE BY FL DEPT OF ENV PRO 2000 (JLM)
AF6134'RECOVERED AS DESCRIBED.
AF6134
AF6134 STATION RECOVERY (2001)
AF6134
AF6134'RECOVERY NOTE BY FL DEPT OF ENV PRO 2001 (JLM)
AF6134'RECOVERED AS DESCRIBED.
AF6134
AF6134 STATION RECOVERY (2003)
AF6134
AF6134'RECOVERY NOTE BY FL DEPT OF ENV PRO 2003 (BPJ)
AF6134'RECOVERED AS DESCRIBED.
AF6134
AF6134 STATION RECOVERY (2005)
AF6134
AF6134'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2005
AF6134'RECOVERED AS DESCRIBED. RECOVERY NOTE BY COONER AND ASSOCIATES, INC.
AF6134
AF6134 STATION RECOVERY (2007)
AF6134
AF6134'RECOVERY NOTE BY FL DEPT OF ENV PRO 2007 (BPJ)
AF6134'RECOVERED AS DESCRIBED.

*** retrieval complete.
Elapsed Time = 00:00:03

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
DF6696 *****
DF6696 DESIGNATION - L 512
DF6696 PID - DF6696
DF6696 STATE/COUNTY- FL/OSCEOLA
DF6696 COUNTRY - US
DF6696 USGS QUAD - KISSIMMEE (1987)
DF6696
DF6696 *CURRENT SURVEY CONTROL
DF6696
DF6696* NAD 83(1986) POSITION- 28 17 35. (N) 081 23 44. (W) SCALED
DF6696* NAVD 88 ORTHO HEIGHT - 17.705 (meters) 58.09 (feet) ADJUSTED
DF6696
DF6696 GEOID HEIGHT - -27.838 (meters) GEOID12B
DF6696 DYNAMIC HEIGHT - 17.678 (meters) 58.00 (feet) COMP
DF6696 MODELED GRAVITY - 979,164.1 (mgal) NAVD 88
DF6696
DF6696 VERT ORDER - SECOND CLASS I
DF6696
DF6696.The horizontal coordinates were scaled from a topographic map and have
DF6696.an estimated accuracy of +/- 6 seconds.
DF6696.
DF6696.The orthometric height was determined by differential leveling and
DF6696.adjusted by the NATIONAL GEODETIC SURVEY
DF6696.in April 2004.
DF6696
DF6696.Significant digits in the geoid height do not necessarily reflect accuracy.
DF6696.GEOID12B height accuracy estimate available here.
DF6696
DF6696.The dynamic height is computed by dividing the NAVD 88
DF6696.geopotential number by the normal gravity value computed on the
DF6696.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DF6696.degrees latitude (g = 980.6199 gals.).
DF6696
DF6696.The modeled gravity was interpolated from observed gravity values.
DF6696
DF6696; North East Units Estimated Accuracy
DF6696;SPC FL E - 438,750. 161,200. MT (+/- 180 meters Scaled)
DF6696
DF6696 SUPERSEDED SURVEY CONTROL
DF6696
DF6696.No superseded survey control is available for this station.
DF6696
DF6696_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM612297(NAD 83)
DF6696
DF6696_MARKER: DD = SURVEY DISK
DF6696_SETTING: 38 = SET IN THE ABUTMENT OR PIER OF A LARGE BRIDGE
DF6696_SP_SET: BRIDGE ABUTMENT
DF6696_STAMPING: L 512 2001
DF6696_MARK LOGO: FLDEP
DF6696_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
DF6696_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
DF6696_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DF6696+SATELLITE: SATELLITE OBSERVATIONS - August 06, 2010
DF6696
DF6696 HISTORY - Date Condition Report By

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DF6696 HISTORY - 20010628 MONUMENTED FLDEP
DF6696 HISTORY - 20050105 GOOD USPSQD
DF6696 HISTORY - 20100806 GOOD INDIV

DF6696

STATION DESCRIPTION

DF6696

DF6696'DESCRIBED BY FL DEPT OF ENV PRO 2001 (JLM)
DF6696'THE MARK IS ABOUT 7.1 MI NORTHWEST OF ST. CLOUD, 1.4 MI SOUTHEAST OF
DF6696'KISSIMMEE, IN SECTION
DF6696'22, TOWNSHIP 25 SOUTH, RANGE 29 EAST.
DF6696'
DF6696'TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 192 (VINE STREET)
DF6696'AND U.S. HIGHWAY
DF6696'17, 92 (JOHN YOUNG PARKWAY) IN KISSIMMEE, GO EAST ON U.S. HIGHWAY 192
DF6696'FOR 0.5 MI TO THE
DF6696'INTERSECTION OF CENTRAL AVENUE, TURN RIGHT ON CENTRAL AVENUE AND GO
DF6696'SOUTH FOR 1.3 MI
DF6696'TO THE MARK ON THE RIGHT, SET IN THE TOP OF THE NORTHWEST BRIDGE
DF6696'ABUTMENT 1.0 FT BELOW
DF6696'THE LEVEL OF NEPTUNE ROAD.
DF6696'
DF6696'LOCATED 26.7 FT SOUTHWEST OF THE CENTERLINE OF THE EASTBOUND LANES OF
DF6696'NEPTUNE ROAD,
DF6696'22.3 FT EAST OF THE WEST END OF A 6-FOOT TALL CHAINLINK FENCE, 6.7 FT
DF6696'NORTHEAST OF THE
DF6696'SOUTHWEST END OF THE ABUTMENT, 4.3 FT NORTHEAST OF AN 18-INCH DIAMETER
DF6696'METAL PIPE AND
DF6696'1.0 FT NORTHEAST OF AN 30-INCH DIAMETER PIPE.

DF6696

STATION RECOVERY (2005)

DF6696

DF6696'RECOVERY NOTE BY US POWER SQUADRON 2005 (RHC)
DF6696'RECOVERED IN GOOD CONDITION.

DF6696

STATION RECOVERY (2010)

DF6696

DF6696'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2010 (AF)
DF6696'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
DF6691 *****
DF6691 DESIGNATION - F 512
DF6691 PID - DF6691
DF6691 STATE/COUNTY- FL/OSCEOLA
DF6691 COUNTRY - US
DF6691 USGS QUAD - ST CLOUD NORTH (1987)
DF6691
DF6691 *CURRENT SURVEY CONTROL
DF6691
DF6691* NAD 83(1986) POSITION- 28 15 13. (N) 081 19 38. (W) SCALED
DF6691* NAVD 88 ORTHO HEIGHT - 18.684 (meters) 61.30 (feet) ADJUSTED
DF6691
DF6691 GEOID HEIGHT - -27.909 (meters) GEOID12B
DF6691 DYNAMIC HEIGHT - 18.656 (meters) 61.21 (feet) COMP
DF6691 MODELED GRAVITY - 979,159.5 (mgal) NAVD 88
DF6691
DF6691 VERT ORDER - SECOND CLASS I
DF6691
DF6691.The horizontal coordinates were scaled from a topographic map and have
DF6691.an estimated accuracy of +/- 6 seconds.
DF6691.
DF6691.The orthometric height was determined by differential leveling and
DF6691.adjusted by the NATIONAL GEODETIC SURVEY
DF6691.in April 2004.
DF6691
DF6691.Significant digits in the geoid height do not necessarily reflect accuracy.
DF6691.GEOID12B height accuracy estimate available here.
DF6691
DF6691.The dynamic height is computed by dividing the NAVD 88
DF6691.geopotential number by the normal gravity value computed on the
DF6691.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DF6691.degrees latitude (g = 980.6199 gals.).
DF6691
DF6691.The modeled gravity was interpolated from observed gravity values.
DF6691
DF6691; North East Units Estimated Accuracy
DF6691;SPC FL E - 434,360. 167,890. MT (+/- 180 meters Scaled)
DF6691
DF6691 SUPERSEDED SURVEY CONTROL
DF6691
DF6691.No superseded survey control is available for this station.
DF6691
DF6691_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM679253(NAD 83)
DF6691
DF6691_MARKER: DD = SURVEY DISK
DF6691_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
DF6691_STAMPING: F 512 2001
DF6691_MARK LOGO: FLDEP
DF6691_PROJECTION: RECESSED 5 CENTIMETERS
DF6691_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
DF6691_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
DF6691+STABILITY: SURFACE MOTION
DF6691_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DF6691+SATELLITE: SATELLITE OBSERVATIONS - June 28, 2001
DF6691

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DF6691 HISTORY - Date Condition Report By
DF6691 HISTORY - 20010628 MONUMENTED FLDEP

DF6691

DF6691 STATION DESCRIPTION

DF6691

DF6691'DESCRIBED BY FL DEPT OF ENV PRO 2001 (JLM)

DF6691'THE MARK IS ABOUT 6.4 MI SOUTHEAST OF KISSIMMEE, 2.0 MI NORTHWEST OF

DF6691'ST. CLOUD, IN SECTION

DF6691'5, TOWNSHIP 26 SOUTH, RANGE 30 EAST.

DF6691'

DF6691'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 192, 441 (13TH
DF6691'STREET) AND

DF6691'COUNTY ROAD 523 (VERMONT AVENUE) IN ST. CLOUD, GO NORTHWEST ON U.S.

DF6691'HIGHWAY 192, 441

DF6691'(13TH STREET) FOR 1.1 MI TO THE JUNCTION OF NEPTUNE ROAD ON THE LEFT

DF6691'(COUNTY ROAD 525),

DF6691'TURN LEFT ON NEPTUNE ROAD (COUNTY ROAD 525) AND GO SOUTHWEST THEN

DF6691'WESTERLY FOR 0.4

DF6691'MI TO THE INTERSECTION OF KISSIMMEE PARK ROAD, CONTINUE NORTHWEST ON

DF6691'NEPTUNE ROAD

DF6691'(COUNTY ROAD 525) FOR 0.6 MI TO THE SOUTH END OF THE BRIDGE OVER CANAL

DF6691'31 AND THE MARK

DF6691'ON THE LEFT, SET IN THE TOP OF A ROUND CONCRETE MONUMENT RECESSED 0.2

DF6691'FT BELOW THE

DF6691'LEVEL OF THE GROUND AND ABOUT 1.0 FT ABOVE THE LEVEL OF NEPTONE ROAD.

DF6691'

DF6691'LOCATED 149.4 FT SOUTHWEST OF THE CENTERLINE OF NEPTONE ROAD, 37.4 FT

DF6691'SOUTHEAST OF THE

DF6691'SOUTHEAST SIDE OF THE CANAL, 11.2 FT NORTHWEST OF THE APPROXIMATE

DF6691'CENTERLINE OF THE

DF6691'CANAL ROAD AND A METAL GATE AND 1.0 FT NORTHEAST OF A WOODEN FENCE AND

DF6691'A CARSONITE

DF6691'WITNESS POST.

DF6691'

DF6691'NOTE A MAGNET WAS IMBEDDED IN THE MONUMENT ON THE SOUTH SIDE.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AK2011 *****
AK2011 DESIGNATION - P 59 RESET
AK2011 PID - AK2011
AK2011 STATE/COUNTY- FL/OSCEOLA
AK2011 COUNTRY - US
AK2011 USGS QUAD - ST CLOUD SOUTH (1980)
AK2011
AK2011 *CURRENT SURVEY CONTROL
AK2011
AK2011* NAD 83(2011) POSITION- 28 14 45.99482(N) 081 17 35.16489(W) ADJUSTED
AK2011* NAD 83(2011) ELLIP HT- -5.017 (meters) (06/27/12) ADJUSTED
AK2011* NAD 83(2011) EPOCH - 2010.00
AK2011* NAVD 88 ORTHO HEIGHT - 22.930 (meters) 75.23 (feet) ADJUSTED
AK2011
AK2011 NAD 83(2011) X - 851,187.532 (meters) COMP
AK2011 NAD 83(2011) Y - -5,558,059.622 (meters) COMP
AK2011 NAD 83(2011) Z - 3,000,557.042 (meters) COMP
AK2011 LAPLACE CORR - -1.26 (seconds) DEFLEC12B
AK2011 GEOID HEIGHT - -27.943 (meters) GEOID12B
AK2011 DYNAMIC HEIGHT - 22.896 (meters) 75.12 (feet) COMP
AK2011 MODELED GRAVITY - 979,158.8 (mgal) NAVD 88
AK2011
AK2011 VERT ORDER - SECOND CLASS I
AK2011
AK2011 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AK2011 Standards:
AK2011 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AK2011 Horiz Ellip SD_N SD_E SD_h (unitless)
AK2011 -----
AK2011 NETWORK 0.97 1.65 0.42 0.37 0.84 0.09255559
AK2011 -----
AK2011 Click here for local accuracies and other accuracy information.
AK2011
AK2011
AK2011.The horizontal coordinates were established by GPS observations
AK2011.and adjusted by the National Geodetic Survey in June 2012.
AK2011
AK2011.NAD 83(2011) refers to NAD 83 coordinates where the reference
AK2011.frame has been affixed to the stable North American tectonic plate. See
AK2011.NA2011 for more information.
AK2011
AK2011.The horizontal coordinates are valid at the epoch date displayed above
AK2011.which is a decimal equivalence of Year/Month/Day.
AK2011
AK2011.The orthometric height was determined by differential leveling and
AK2011.adjusted by the NATIONAL GEODETIC SURVEY
AK2011.in April 2004.
AK2011
AK2011.Significant digits in the geoid height do not necessarily reflect accuracy.
AK2011.GEOID12B height accuracy estimate available here.
AK2011
AK2011.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AK2011
AK2011.The Laplace correction was computed from DEFLEC12B derived deflections.
AK2011

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AK2011.The ellipsoidal height was determined by GPS observations
AK2011.and is referenced to NAD 83.

AK2011

AK2011.The dynamic height is computed by dividing the NAVD 88
AK2011.geopotential number by the normal gravity value computed on the
AK2011.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AK2011.degrees latitude (g = 980.6199 gals.).

AK2011

AK2011.The modeled gravity was interpolated from observed gravity values.

AK2011

AK2011. The following values were computed from the NAD 83(2011) position.

AK2011

AK2011;		North	East	Units	Scale	Factor	Converg.
AK2011;SPC FL E	-	433,516.427	171,237.392	MT	0.99995138	-0 08 19.4	
AK2011;SPC FL E	-	1,422,295.14	561,801.34	sFT	0.99995138	-0 08 19.4	
AK2011;UTM 17	-	3,124,500.494	471,247.206	MT	0.99961020	-0 08 19.4	
AK2011!	-	Elev Factor	x	Scale Factor	=	Combined Factor	
AK2011!SPC FL E	-	1.00000079	x	0.99995138	=	0.99995217	
AK2011!UTM 17	-	1.00000079	x	0.99961020	=	0.99961099	

AK2011

SUPERSEDED SURVEY CONTROL

AK2011

AK2011	NAD 83(2007)-	28 14 45.99487(N)	081 17 35.16566(W)	AD(2002.00)	1
AK2011	ELLIP H (04/30/08)	-5.008 (m)		GP(2002.00)	4 1
AK2011	NAVD 88 (04/30/08)	22.93 (m)	75.2 (f)	LEVELING	3
AK2011	NAVD 88 (06/15/91)	22.898 (m)	75.12 (f)	SUPERSEDED	2 1
AK2011	NGVD 29 (09/01/92)	23.196 (m)	76.10 (f)	ADJUSTED	2 1

AK2011

AK2011.Superseded values are not recommended for survey control.

AK2011

AK2011.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AK2011.[See file dsdata.txt](#) to determine how the superseded data were derived.

AK2011

AK2011_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM7124724500(NAD 83)

AK2011

AK2011_MARKER: DB = BENCH MARK DISK

AK2011_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AK2011_STAMPING: P 59 RESET 1971

AK2011_MARK LOGO: CGS

AK2011_PROJECTION: PROJECTING 3 CENTIMETERS

AK2011_MAGNETIC: N = NO MAGNETIC MATERIAL

AK2011_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AK2011+STABILITY: SURFACE MOTION

AK2011_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AK2011+SATELLITE: SATELLITE OBSERVATIONS - August 15, 2007

AK2011

AK2011	HISTORY	- Date	Condition	Report By
AK2011	HISTORY	- 1971	MONUMENTED	NGS
AK2011	HISTORY	- 19990219	GOOD	USPSQD
AK2011	HISTORY	- 20010204	GOOD	FLDEP
AK2011	HISTORY	- 20050218	GOOD	GEOCAC
AK2011	HISTORY	- 20070815	GOOD	WILMIL

AK2011

STATION DESCRIPTION

AK2011

AK2011'DESCRIBED BY NATIONAL GEODETIC SURVEY 1971

AK2011'AT ST CLOUD.

AK2011'AT ST. CLOUD, IN THE FRONT LAWN OF THE ROSS JEFFRES ELEMENTARY

AK2011'SCHOOL, BETWEEN DAKOTA AVENUE AND VERMONT AVENUE, 6 FEET WEST

AK2011'OF A CONCRETE POWER POLE WITH THREE TRANSFORMERS, 40 FEET EAST

AK2011'OF EAST CURB OF DRIVEWAY, 10 FEET SOUTH OF THE SOUTH CURB OF

AK2011'SCHOOL PARKING LOT, 8 FEET NORTH OF NORTH CURB OF U.S. HIGHWAY

AK2011'441 (WEST BOUND LANE), 1 1/2 FEET NORTH OF NORTH EDGE OF SIDEWALK,

AK2011'1 FOOT NORTH OF CHAINLINK FENCE AND 1 FOOT NORTH OF A WITNESS

AK2011'POST. SET IN THE TOP OF A ROUND CONCRETE POST ABOUT FLUSH WITH

AK2011'THE GROUND.

AK2011

AK2011 STATION RECOVERY (1999)

AK2011

AK2011'RECOVERY NOTE BY US POWER SQUADRON 1999

AK2011'RECOVERED IN GOOD CONDITION.

AK2011

AK2011 STATION RECOVERY (2001)

AK2011

AK2011'RECOVERY NOTE BY FL DEPT OF ENV PRO 2001 (JLM)

AK2011'THE MARK IS IN ST CLOUD, IN SECTION 3, TOWNSHIP 26 SOUTH, RANGE 30

AK2011'EAST. TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAYS 192, 441

AK2011'(13TH STREET) AND COUNTY ROAD 523 (VERMONT AVENUE CANOE CREEK ROAD) IN

AK2011'ST. CLOUD, GO WEST ON (NORTH) U.S. HIGHWAY 192, 441 (13TH STREET) FOR

AK2011'0.05 MI (0.08 KM) TO THE MARK ON THE RIGHT, SET IN THE TOP OF A ROUND

AK2011'CONCRETE MONUMENT FLUSH WITH THE GROUND AND LEVEL WITH COUNTY ROAD

AK2011'523. LOCATED 89.5 FT (27.3 M) SOUTH OF THE ADMINISTRATION DOOR ON THE

AK2011'SOUTHSIDE OF THE ROSS E. JEFFRIES SCHOOL, 55.5 FT (16.9 M) EAST OF

AK2011'THE APPROXIMATE CENTERLINE OF THE EXIT DRIVEWAY OF ROSS E. JEFFRIES

AK2011'SCHOOL, 26.2 FT (8.0 M) NORTH OF THE CENTERLINE OF U.S. HIGHWAY 192

AK2011'AND 19.6 FT (6.0 M) WEST OF POWERPOLE NUMBER 45420.

AK2011

AK2011 STATION RECOVERY (2005)

AK2011

AK2011'RECOVERY NOTE BY GEOCACHING 2005 (MAG)

AK2011'RECOVERED IN GOOD CONDITION.

AK2011

AK2011 STATION RECOVERY (2007)

AK2011

AK2011'RECOVERY NOTE BY WILSONMILLER 2007 (JHL)

AK2011'RECOVERED IN GOOD CONDITION

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AK7111 *****
AK7111 DESIGNATION - K081
AK7111 PID - AK7111
AK7111 STATE/COUNTY- FL/OSCEOLA
AK7111 COUNTRY - US
AK7111 USGS QUAD - INTERCESSION CITY (1985)
AK7111
AK7111 *CURRENT SURVEY CONTROL
AK7111
AK7111* NAD 83(2011) POSITION- 28 15 34.80354(N) 081 33 23.52530(W) ADJUSTED
AK7111* NAD 83(2011) ELLIP HT- -1.226 (meters) (06/27/12) ADJUSTED
AK7111* NAD 83(2011) EPOCH - 2010.00
AK7111* NAVD 88 ORTHO HEIGHT - 26.351 (meters) 86.45 (feet) ADJUSTED
AK7111
AK7111 NAD 83(2011) X - 825,519.940 (meters) COMP
AK7111 NAD 83(2011) Y - -5,561,214.198 (meters) COMP
AK7111 NAD 83(2011) Z - 3,001,882.377 (meters) COMP
AK7111 LAPLACE CORR - -1.95 (seconds) DEFLEC12B
AK7111 GEOID HEIGHT - -27.584 (meters) GEOID12B
AK7111 DYNAMIC HEIGHT - 26.311 (meters) 86.32 (feet) COMP
AK7111 MODELED GRAVITY - 979,159.8 (mgal) NAVD 88
AK7111
AK7111 VERT ORDER - FIRST CLASS II
AK7111
AK7111 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AK7111 Standards:
AK7111 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AK7111 Horiz Ellip SD_N SD_E SD_h (unitless)
AK7111 -----
AK7111 NETWORK 0.83 1.49 0.35 0.33 0.76 0.04591237
AK7111 -----
AK7111 Click here for local accuracies and other accuracy information.
AK7111
AK7111
AK7111.The horizontal coordinates were established by GPS observations
AK7111.and adjusted by the National Geodetic Survey in June 2012.
AK7111
AK7111.NAD 83(2011) refers to NAD 83 coordinates where the reference
AK7111.frame has been affixed to the stable North American tectonic plate. See
AK7111.NA2011 for more information.
AK7111
AK7111.The horizontal coordinates are valid at the epoch date displayed above
AK7111.which is a decimal equivalence of Year/Month/Day.
AK7111
AK7111.The orthometric height was determined by differential leveling and
AK7111.adjusted by the NATIONAL GEODETIC SURVEY
AK7111.in April 2010.
AK7111
AK7111.Significant digits in the geoid height do not necessarily reflect accuracy.
AK7111.GEOID12B height accuracy estimate available here.
AK7111
AK7111.Photographs are available for this station.
AK7111
AK7111.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AK7111

```

AK7111.The Laplace correction was computed from DEFLEC12B derived deflections.

AK7111

AK7111.The ellipsoidal height was determined by GPS observations

AK7111.and is referenced to NAD 83.

AK7111

AK7111.The dynamic height is computed by dividing the NAVD 88

AK7111.geopotential number by the normal gravity value computed on the

AK7111.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AK7111.degrees latitude (g = 980.6199 gals.).

AK7111

AK7111.The modeled gravity was interpolated from observed gravity values.

AK7111

AK7111. The following values were computed from the NAD 83(2011) position.

AK7111

AK7111;	North	East	Units	Scale Factor	Converg.
AK7111;SPC FL E	- 435,109.635	145,392.717	MT	0.99997797	-0 15 48.6
AK7111;SPC FL E	- 1,427,522.19	477,009.27	sFT	0.99997797	-0 15 48.6
AK7111;SPC FL W	- 435,063.794	243,512.736	MT	0.99996454	+0 12 35.9
AK7111;SPC FL W	- 1,427,371.80	798,924.70	sFT	0.99996454	+0 12 35.9
AK7111;UTM 17	- 3,126,093.159	445,411.349	MT	0.99963678	-0 15 48.6

AK7111

AK7111! - Elev Factor x Scale Factor = Combined Factor

AK7111!SPC FL E - 1.00000019 x 0.99997797 = 0.99997816

AK7111!SPC FL W - 1.00000019 x 0.99996454 = 0.99996473

AK7111!UTM 17 - 1.00000019 x 0.99963678 = 0.99963697

AK7111

SUPERSEDED SURVEY CONTROL

AK7111

AK7111	NAD 83(2007)-	28 15 34.80369(N)	081 33 23.52601(W)	AD(2002.00)	0
AK7111	ELLIP H (02/10/07)	-1.213 (m)		GP(2002.00)	
AK7111	NAD 83(1999)-	28 15 34.80406(N)	081 33 23.52584(W)	AD()	1
AK7111	ELLIP H (06/19/01)	-1.226 (m)		GP()	4 1
AK7111	NAD 83(1990)-	28 15 34.80284(N)	081 33 23.52574(W)	AD()	1
AK7111	NAD 83(1990)-	28 15 34.80284(N)	081 33 23.52574(W)	AD()	2
AK7111	ELLIP H (12/04/92)	-1.143 (m)		GP()	3 2
AK7111	NAVD 88 (11/19/93)	26.3 (m)	GEOID93 model used	GPS OBS	
AK7111	NGVD 29 (12/04/92)	26.7 (m)	GEOID90 model used	GPS OBS	

AK7111

AK7111.Superseded values are not recommended for survey control.

AK7111

AK7111.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AK7111.[See file dsdata.txt](#) to determine how the superseded data were derived.

AK7111

AK7111_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM4541126093(NAD 83)

AK7111

AK7111_MARKER: F = FLANGE-ENCASED ROD

AK7111_SETTING: 15 = METAL ROD DRIVEN INTO GROUND. SEE TEXT FOR ADDITIONAL

AK7111+WITH SETTING: INFORMATION.

AK7111_STAMPING: KO81 1991

AK7111_MARK LOGO: NGS

AK7111_PROJECTION: RECESSED 15 CENTIMETERS

AK7111_MAGNETIC: N = NO MAGNETIC MATERIAL

AK7111_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AK7111_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AK7111+SATELLITE: SATELLITE OBSERVATIONS - May 05, 2005

AK7111_ROD/PIPE-DEPTH: 1.5 meters

AK7111

AK7111	HISTORY	- Date	Condition	Report By
AK7111	HISTORY	- 1991	MONUMENTED	KEISCH
AK7111	HISTORY	- 19920107	GOOD	PROENG
AK7111	HISTORY	- 20030911	GOOD	FL-105
AK7111	HISTORY	- 20050505	GOOD	FLDEP
AK7111	HISTORY	- 20110308	GOOD	FL-105

AK7111

STATION DESCRIPTION

AK7111

AK7111'DESCRIBED BY KEITH AND SCHNARS - LAKELAND 1991
AK7111'THE STATION IS LOCATED ABOUT 7 MI (11.3 KM) NORTH NORTHEAST OF
AK7111'DAVENPORT IN THE SOUTH RIGHT OF WAY OF S.R. 532 (OSCEOLA-POLK LINE
AK7111'ROAD) NEAR THE SOUTH 1/4 CORNER OF SECTION 36, TOWNSHIP 25 SOUTH,
AK7111'RANGE 27 EAST, OSCEOLA COUNTY, FLORIDA.
AK7111'TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE 4 AND U.S.
AK7111'27, GO EAST ON INTERSTATE 4 FOR 3.0 MI (4.8 KM) TO THE INTERSECTION
AK7111'OF INTERSTATE 4 AND S.R. 532 (OSCEOLA-POLK LINE ROAD). GO EAST ON S.R
AK7111'532 FOR 3.0 MI (4.8 KM) TO THE STATION IN THE SOUTH RIGHT OF WAY. THE
AK7111'STATION IS 0.6 MI (1.0 KM) WEST OF THE INTERSECTION OF S.R. 532 AND
AK7111'U.S. 17-92, 0.3 MI (0.5 KM) EAST OF THE ENTRANCE TO THE JUNGLE LAND
AK7111'RV PARK, 46 FT (14.0 M) WEST OF A DIRT DRIVE, 107 FT (32.6 M) SOUTH
AK7111'OF THE SOUTH EDGE OF PAVEMENT, AND 13 FT (4.0 M) NORTH OF A BARBWIRE
AK7111'FENCE. ACCESS TO DATUM POINT--THE STATION IS RECESSED 0.5 FT (0.2 M)
AK7111'BELOW GROUND INSIDE A NGS LOGO CAP WHICH IS MOUNTED ON A 5 1/4 INCH
AK7111'DIAMETER PVC PIPE SET IN A CONCRETE COLLAR.
AK7111'REFERENCES--
AK7111'KEITH AND SCHNARS NAIL AND DISC, SET IN POWER POLE (NUMBER 6-23583),
AK7111'SOUTH 87 DEGREES WEST AT 118.30 FT (36.06 M).
AK7111'KEITH AND SCHNARS REFERENCE CAP, SET ON 5/8 INCH IRON ROD, NORTH 44
AK7111'DEGREES WEST AT 30.27 FT (9.23 M).
AK7111'KEITH AND SCHNARS REFERENCE CAP, SET ON 5/8 INCH IRON ROD, NORTH 37
AK7111'DEGREES EAST AT 29.17 FT (8.89 M).
AK7111'KEITH AND SCHNARS NAIL AND DISC, SET IN POWER POLE (NUMBER 6-23584),
AK7111'SOUTH 87 DEGREES EAST AT 111.59 FT (34.01 M).
AK7111'SET CARSONITE WITNESS POST, SOUTH 3 DEGREES EAST AT 12.62 FT (3.85 M)
AK7111
AK7111 STATION RECOVERY (1992)
AK7111
AK7111'RECOVERY NOTE BY PG CONSULTANTS 1992
AK7111'RECOVERED IN GOOD CONDITION.
AK7111
AK7111 STATION RECOVERY (2003)
AK7111
AK7111'RECOVERY NOTE BY POLK COUNTY FLORIDA 2003 (RWY)
AK7111'RECOVERY AS DESCRIBED. RECOVERY NOTE BY POLK COUNTY PROPERTY APPRAISER
AK7111'GIS DEPARTMENT.
AK7111
AK7111 STATION RECOVERY (2005)
AK7111
AK7111'RECOVERY NOTE BY FL DEPT OF ENV PRO 2005 (JLM)
AK7111'THE MARK IS ABOUT 11.0 MI (17.7 KM) SOUTHWEST OF KISSIMMEE, 7.5 MI
AK7111'(12.1 KM) NORTHEAST OF DAVENPORT, 3.0 MI (4.8 KM) WEST OF INTERCESSION
AK7111'CITY, IN SECTION 31, TOWNSHIP 25 SOUTH, RANGE 28 EAST.
AK7111'
AK7111'TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 17, 92 (ORANGE
AK7111'BLOSSOM TRAIL) AND TALLAHASSEE BOULEVARD IN INTERCESSION CITY, GO
AK7111'WESTERLY ON U.S. HIGHWAY 17, 92 (ORANGE BLOSSOM TRAIL) FOR 2.2 MI (3.5
AK7111'KM) TO THE JUNCTION OF COUNTY ROAD 532 (OSCEOLA-POLK LINE ROAD), TURN
AK7111'RIGHT ON COUNTY ROAD 532 (OSCEOLA-POLK LINE ROAD) AND GO WEST FOR 0.85
AK7111'MI (1.4 KM) TO THE MARK ON THE LEFT, A STAINLESS STEEL ROD DRIVEN INTO
AK7111'THE GROUND WITH A NGS LOGO CAP RECESSED 0.5 FT (0.2 M) BELOW THE LEVEL
AK7111'OF THE GROUND AND ABOUT LEVEL WITH COUNTY ROAD 532, THE DATUM POINT IS
AK7111'RECESSED 0.5 FT (0.2 M) BELOW THE LEVEL OF THE NGS LOGO CAP.
AK7111'
AK7111'LOCATED 118.0 FT (36.0 M) EAST OF A POWER POLE NUMBER 6-23583, 111.5
AK7111'FT (34.0 M) WEST OF A POWER POLE NUMBER B302276, 107.0 FT (32.6 M)
AK7111'SOUTH OF THE SOUTH EDGE OF THE PAVEMENT OF COUNTY ROAD 532, 46.0 FT
AK7111'(14.0 M) WEST OF A DIRT DRIVE AND 1.0 FT (0.3 M) NORTH OF A CARSONITE
AK7111'WITNESS POST.
AK7111'
AK7111'NOTE A MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.
AK7111'
AK7111'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH (13 CM) NGS
AK7111'LOGO CAP.
AK7111

AK7111 STATION RECOVERY (2011)
AK7111
AK7111'RECOVERY NOTE BY POLK COUNTY FLORIDA 2011 (DL)
AK7111'RECOVERED IN GOOD CONDITION

*** retrieval complete.
Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
AB5498 *****
AB5498 DESIGNATION - 95 051
AB5498 PID - AB5498
AB5498 STATE/COUNTY- FL/OSCEOLA
AB5498 COUNTRY - US
AB5498 USGS QUAD - KISSIMMEE (1987)
AB5498
AB5498 *CURRENT SURVEY CONTROL
AB5498
AB5498* NAD 83(2011) POSITION- 28 15 25.47797(N) 081 27 26.75700(W) ADJUSTED
AB5498* NAD 83(2011) ELLIP HT- -3.614 (meters) (06/27/12) ADJUSTED
AB5498* NAD 83(2011) EPOCH - 2010.00
AB5498* NAVD 88 ORTHO HEIGHT - 24.121 (meters) 79.14 (feet) ADJUSTED
AB5498
AB5498 NAD 83(2011) X - 835,157.596 (meters) COMP
AB5498 NAD 83(2011) Y - -5,559,910.340 (meters) COMP
AB5498 NAD 83(2011) Z - 3,001,628.379 (meters) COMP
AB5498 LAPLACE CORR - -1.60 (seconds) DEFLEC12B
AB5498 GEOID HEIGHT - -27.736 (meters) GEOID12B
AB5498 DYNAMIC HEIGHT - 24.085 (meters) 79.02 (feet) COMP
AB5498 MODELED GRAVITY - 979,160.7 (mgal) NAVD 88
AB5498
AB5498 VERT ORDER - FIRST CLASS II
AB5498
AB5498 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AB5498 Standards:
AB5498 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AB5498 Horiz Ellip SD_N SD_E SD_h (unitless)
AB5498 -----
AB5498 NETWORK 1.04 1.55 0.40 0.45 0.79 -0.05989448
AB5498 -----
AB5498 Click here for local accuracies and other accuracy information.
AB5498
AB5498
AB5498.The horizontal coordinates were established by GPS observations
AB5498.and adjusted by the National Geodetic Survey in June 2012.
AB5498
AB5498.NAD 83(2011) refers to NAD 83 coordinates where the reference
AB5498.frame has been affixed to the stable North American tectonic plate. See
AB5498.NA2011 for more information.
AB5498
AB5498.The horizontal coordinates are valid at the epoch date displayed above
AB5498.which is a decimal equivalence of Year/Month/Day.
AB5498
AB5498.The orthometric height was determined by differential leveling and
AB5498.adjusted by the NATIONAL GEODETIC SURVEY
AB5498.in April 2010.
AB5498
AB5498.Significant digits in the geoid height do not necessarily reflect accuracy.
AB5498.GEOID12B height accuracy estimate available here.
AB5498
AB5498.Photographs are available for this station.
AB5498
AB5498.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AB5498

```

AB5498.The Laplace correction was computed from DEFLEC12B derived deflections.

AB5498

AB5498.The ellipsoidal height was determined by GPS observations

AB5498.and is referenced to NAD 83.

AB5498

AB5498.The dynamic height is computed by dividing the NAVD 88

AB5498.geopotential number by the normal gravity value computed on the

AB5498.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AB5498.degrees latitude (g = 980.6199 gals.).

AB5498

AB5498.The modeled gravity was interpolated from observed gravity values.

AB5498

AB5498. The following values were computed from the NAD 83(2011) position.

AB5498

AB5498;	North	East	Units	Scale	Factor	Converg.
AB5498;SPC FL E	- 434,781.826	155,115.693	MT	0.99996603	-0 12 59.6	
AB5498;SPC FL E	- 1,426,446.71	508,908.74	sFT	0.99996603	-0 12 59.6	
AB5498;UTM 17	- 3,125,765.461	455,131.008	MT	0.99962485	-0 12 59.6	
AB5498!	- Elev Factor	x Scale Factor	=	Combined Factor		
AB5498!SPC FL E	- 1.00000057	x 0.99996603	=	0.99996660		
AB5498!UTM 17	- 1.00000057	x 0.99962485	=	0.99962542		

AB5498

AB5498:	Primary Azimuth Mark	Grid Az
AB5498:SPC FL E	- 95 051A	082 57 19.6
AB5498:UTM 17	- 95 051A	082 57 19.6

AB5498

AB5498	PID	Reference Object	Distance	Geod. Az
AB5498				dddmmss.s
AB5498	AB5497 95 051A		APPROX. 1.2 KM	0824420.0

AB5498

AB5498 SUPERSEDED SURVEY CONTROL

AB5498

AB5498	NAD 83(2007)-	28 15 25.47822(N)	081 27 26.75773(W)	AD(2002.00)	0
AB5498	ELLIP H (02/10/07)	-3.613 (m)		GP(2002.00)	
AB5498	NAD 83(1999)-	28 15 25.47851(N)	081 27 26.75814(W)	AD()	1
AB5498	ELLIP H (05/31/01)	-3.596 (m)		GP()	4 1
AB5498	NAD 83(1990)-	28 15 25.47738(N)	081 27 26.75768(W)	AD()	1
AB5498	ELLIP H (07/11/96)	-3.556 (m)		GP()	4 1
AB5498	NAVD 88 (01/28/04)	24.09 (m)	GEOID99 model used	GPS OBS	
AB5498	NAVD 88 (07/11/96)	24.1 (m)	GEOID93 model used	GPS OBS	

AB5498

AB5498.Superseded values are not recommended for survey control.

AB5498

AB5498.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AB5498.[See file dsdata.txt](#) to determine how the superseded data were derived.

AB5498

AB5498_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM5513125765(NAD 83)

AB5498

AB5498_MARKER: DD = SURVEY DISK

AB5498_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AB5498_STAMPING: 95-051

AB5498_MARK LOGO: FL-097

AB5498_PROJECTION: FLUSH

AB5498_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

AB5498_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AB5498+STABILITY: SURFACE MOTION

AB5498_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AB5498+SATELLITE: SATELLITE OBSERVATIONS - January 15, 2011

AB5498

AB5498	HISTORY	- Date	Condition	Report By
AB5498	HISTORY	- 1995	MONUMENTED	ADRGs
AB5498	HISTORY	- 20030403	GOOD	FLDEP
AB5498	HISTORY	- 20050530	GOOD	GEOCAC

AB5498 HISTORY - 20050530 GOOD FLDEP
 AB5498 HISTORY - 20070912 GOOD WOOLPT
 AB5498 HISTORY - 20090909 GOOD FLDEP
 AB5498 HISTORY - 20110115 GOOD JCLS

AB5498

AB5498

AB5498

STATION DESCRIPTION

AB5498'DESCRIBED BY ADR GEODETIC SERVICES 1995 (BAW)
 AB5498'THE STATION IS SITUATED IN OSCEOLA COUNTY, FLORIDA AND IS 2.6 MI (4.2
 AB5498'KM) SOUTH AND 2.1 MI (3.4 KM) WEST OF THE CITY OF KISSIMMEE. TO REACH
 AB5498'THE STATION FROM THE INTERSECTION OF US 192 AND US 441 IN THE
 AB5498'NORTHEAST SECTION OF KISSIMMEE, GO WEST ON US 192 AND US 17/92 FOR 0.7
 AB5498'MI (1.1 KM) TO THE INTERSECTION OF US 192 AND US 17/92 SPLIT. TURN
 AB5498'LEFT AND GO SOUTH AND WEST ON US 17/92 FOR 4.7 MI (7.6 KM) TO THE
 AB5498'STATION ON THE LEFT IN THE GRASS MEDIAN. THE STATION IS 1.2 MI (1.9
 AB5498'KM) WEST OF THE INTERSECTION OF US 17/92 AND COUNTY ROAD 531 (PLEASANT
 AB5498'HILL ROAD) . THE STATION IS 60.0 FT (18.3 M) WEST OF THE EAST END OF
 AB5498'THE GRASS MEDIAN, AND 20.0 FT (6.1 M) SOUTH OF THE NORTH EDGE OF THE
 AB5498'GRASS MEDIAN.

AB5498

AB5498

STATION RECOVERY (2003)

AB5498

AB5498'RECOVERY NOTE BY FL DEPT OF ENV PRO 2003 (BPJ)

AB5498'RECOVERED AS DESCRIBED.

AB5498'

AB5498'NOTE UNKNOWN MAGNETISM.

AB5498'

AB5498'

AB5498'

AB5498

AB5498

STATION RECOVERY (2005)

AB5498

AB5498'RECOVERY NOTE BY GEOCACHING 2005 (MAG)

AB5498'RECOVERED IN GOOD CONDITION.

AB5498

AB5498

STATION RECOVERY (2005)

AB5498

AB5498'RECOVERY NOTE BY FL DEPT OF ENV PRO 2005 (JLM)

AB5498'THE MARK IS ABOUT 4.5 MI (7.2 KM) SOUTHWEST OF KISSIMMEE, IN CAMPBELL,
 AB5498'IN SECTION 1, TOWNSHIP 26 SOUTH, RANGE 29 EAST.

AB5498'

AB5498'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 17, 92 SOUTH
 AB5498'(JOHN YOUNG PARKWAY) AND U.S. HIGHWAY 192 (VINE STREET)) IN KISSIMMEE,
 AB5498'GO SOUTH ON U.S. HIGHWAY 17, 92 (JOHN YOUNG PARKWAY) FOR 3.15 MI (5.1
 AB5498'KM) TO THE INTERSECTION OF COUNTY ROAD 531 (PLEASANT HILL ROAD,
 AB5498'CONTINUE WESTERLY ON U.S. HIGHWAY 17, 92 (ORANGE BLOSSOM TRAIL) FOR
 AB5498'1.3 MI (2.1 KM) TO THE INTERSECTION OF VINTAGE STREET AND THE MARK ON
 AB5498'THE LEFT IN THE GRASS MEDIAN, RECESSED 0.4 FT (0.1 M) BELOW THE LEVEL
 AB5498'OF THE GROUND AND BELOW THE LEVEL OF U.S. HIGHWAY 17, 92.

AB5498'

AB5498'LOCATED 98.0 FT (29.9 M) WEST OF THE APPROXIMATE CENTERLINE OF VINTAGE
 AB5498'STREET, 60.0 FT (18.3 M) WEST OF THE WEST EDGE OF THE MEDIAN
 AB5498'CROSSOVER, 21.7 FT (6.6 M) SOUTHEAST OF A LEFT LANE END SIGN, 20.3 FT
 AB5498'(6.2 M) SOUTH OF THE SOUTH EDGE OF U.S. HIGHWAY 17, 92 WESTBOUND LANES
 AB5498'AND 7.7 FT (2.3 M) NORTH OF THE NORTH EDGE OF U.S. HIGHWAY 17, 92
 AB5498'EASTBOUND LANES.

AB5498'

AB5498'NOTE A MAGNET WAS IMBEDDED IN THE GROUND ON THE SOUTH SIDE OF THE
 AB5498'MONUMENT.

AB5498

AB5498

STATION RECOVERY (2007)

AB5498

AB5498'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2007 (NM)

AB5498'RECOVERED IN GOOD CONDITION.

AB5498

AB5498

STATION RECOVERY (2009)

AB5498

AB5498'RECOVERY NOTE BY FL DEPT OF ENV PRO 2009 (SVV)

AB5498'RECOVERED AS DESCRIBED.

AB5498

AB5498

STATION RECOVERY (2011)

AB5498

AB5498'RECOVERY NOTE BY JOHN CHANCE LAND SURVEYS INC 2011

AB5498'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.8

1 National Geodetic Survey, Retrieval Date = MARCH 24, 2016

DJ8307 *****

DJ8307 DESIGNATION - L 687

DJ8307 PID - DJ8307

DJ8307 STATE/COUNTY- FL/INDIAN RIVER

DJ8307 COUNTRY - US

DJ8307 USGS QUAD - FORT DRUM NE (1972)

DJ8307

DJ8307 *CURRENT SURVEY CONTROL

DJ8307

DJ8307* NAD 83(2011) POSITION- 27 40 59.16088(N) 080 52 19.61865(W) ADJUSTED

DJ8307* NAD 83(2011) ELLIP HT- -10.362 (meters) (06/27/12) ADJUSTED

DJ8307* NAD 83(2011) EPOCH - 2010.00

DJ8307* [NAVD 88](#) ORTHO HEIGHT - 16.444 (meters) 53.95 (feet) ADJUSTED

DJ8307

DJ8307 NAD 83(2011) X - 896,643.010 (meters) COMP

DJ8307 NAD 83(2011) Y - -5,580,537.451 (meters) COMP

DJ8307 NAD 83(2011) Z - 2,945,447.808 (meters) COMP

DJ8307 LAPLACE CORR - -3.54 (seconds) DEFLEC12B

DJ8307 GEOID HEIGHT - -26.836 (meters) GEOID12B

DJ8307 DYNAMIC HEIGHT - 16.420 (meters) 53.87 (feet) COMP

DJ8307 MODELED GRAVITY - 979,160.1 (mgal) NAVD 88

DJ8307

DJ8307 VERT ORDER - FIRST CLASS II

DJ8307

DJ8307 Network accuracy estimates per FGDC Geospatial Positioning Accuracy

DJ8307 Standards:

FGDC (95% conf, cm)	Standard deviation (cm)			CorrNE
Horiz Ellip	SD_N	SD_E	SD_h	(unitless)
-----	-----	-----	-----	-----
NETWORK 1.05 1.35	0.45	0.41	0.69	0.02100740
-----	-----	-----	-----	-----

DJ8307 Click [here](#) for local accuracies and other accuracy information.

DJ8307

DJ8307

DJ8307.The horizontal coordinates were established by GPS observations

DJ8307.and adjusted by the National Geodetic Survey in June 2012.

DJ8307

DJ8307.NAD 83(2011) refers to NAD 83 coordinates where the reference

DJ8307.frame has been affixed to the stable North American tectonic plate. See

DJ8307.[NA2011](#) for more information.

DJ8307

DJ8307.The horizontal coordinates are valid at the epoch date displayed above

DJ8307.which is a decimal equivalence of Year/Month/Day.

DJ8307

DJ8307.The orthometric height was determined by differential leveling and

DJ8307.adjusted by the NATIONAL GEODETIC SURVEY

DJ8307.in May 2008.

DJ8307

DJ8307.Significant digits in the geoid height do not necessarily reflect accuracy.

DJ8307.GEOID12B height accuracy estimate available [here](#).

DJ8307

DJ8307.[Photographs](#) are available for this station.

DJ8307

DJ8307.The X, Y, and Z were computed from the position and the ellipsoidal ht.

DJ8307

DJ8307.The Laplace correction was computed from DEFLEC12B derived deflections.

DJ8307

DJ8307.The ellipsoidal height was determined by GPS observations

DJ8307.and is referenced to NAD 83.

DJ8307

DJ8307.The dynamic height is computed by dividing the NAVD 88

DJ8307.geopotential number by the normal gravity value computed on the

DJ8307.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

DJ8307.degrees latitude (g = 980.6199 gals.).

DJ8307

DJ8307.The modeled gravity was interpolated from observed gravity values.

DJ8307

DJ8307. The following values were computed from the NAD 83(2011) position.

DJ8307

DJ8307;		North	East	Units	Scale Factor	Converg.
DJ8307;SPC FL E	-	371,099.743	212,614.751	MT	0.99994314	+0 03 33.9
DJ8307;SPC FL E	-	1,217,516.41	697,553.56	sFT	0.99994314	+0 03 33.9
DJ8307;UTM 17	-	3,062,105.107	512,610.447	MT	0.99960196	+0 03 33.9
DJ8307!						
DJ8307!SPC FL E	-	Elev Factor	x	Scale Factor	=	Combined Factor
DJ8307!UTM 17	-	1.00000163	x	0.99994314	=	0.99994477
DJ8307!UTM 17	-	1.00000163	x	0.99960196	=	0.99960359

DJ8307

DJ8307

SUPERSEDED SURVEY CONTROL

DJ8307

DJ8307	NAD 83(2007)-	27 40 59.16093(N)	080 52 19.62047(W)	AD(2002.00)	1
DJ8307	ELLIP H (10/08/10)	-10.362 (m)		GP(2002.00)	1 1
DJ8307	NAVD 88 (10/08/10)	16.44 (m)	53.9 (f)	LEVELING	3

DJ8307

DJ8307.Superseded values are not recommended for survey control.

DJ8307

DJ8307.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

DJ8307.[See file dsdata.txt](#) to determine how the superseded data were derived.

DJ8307

DJ8307_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL1261062105(NAD 83)

DJ8307

DJ8307_MARKER: F = FLANGE-ENCASED ROD

DJ8307_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)

DJ8307_STAMPING: L 687 2007

DJ8307_MARK LOGO: NGS

DJ8307_PROJECTION: FLUSH

DJ8307_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

DJ8307_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

DJ8307_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DJ8307+SATELLITE: SATELLITE OBSERVATIONS - August 09, 2010

DJ8307_ROD/PIPE-DEPTH: 12.3 meters

DJ8307

DJ8307	HISTORY	-	Date	Condition	Report By
DJ8307	HISTORY	-	20070314	MONUMENTED	FLDEP
DJ8307	HISTORY	-	20100809	GOOD	CREEI

DJ8307

DJ8307

STATION DESCRIPTION

DJ8307

DJ8307'DESCRIBED BY FL DEPT OF ENV PRO 2007 (JLM)

DJ8307'THE MARK IS ABOUT 30.6 MI WEST OF VERO BEACH, 2.2 MI SOUTHEAST OF

DJ8307'YEEHAW JUNCTION, IN SECTION 19, TOWNSHIP 32 SOUTH, RANGE 35 EAST.

DJ8307'

DJ8307'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 441 AND STATE

DJ8307'HIGHWAY 60 IN YEEHAW JUNCTION, GO EAST ON STATE HIGHWAY 60 FOR 0.6 MI

DJ8307'TO THE WEST END OF THE BRIDGE SPANNING THE FLORIDA TURNPIKE, CONTINUE

DJ8307'EAST ON STATE HIGHWAY 60 FOR 1.7 MI TO THE MARK ON THE LEFT, A

DJ8307'STAINLESS STEEL ROD DRIVEN TO REFUSAL AT A DEPTH OF 40.4 FT WITH A NGS

DJ8307'LOGO CAP FLUSH WITH THE GROUND AND ABOUT LEVEL WITH STATE HIGHWAY 60

DJ8307'WESTBOUND LANES, THE DATUM POINT IS RECESSED 0.6 FT BELOW THE LEVEL

DJ8307'OF THE NGS LOGO CAP.

DJ8307'

DJ8307'LOCATED 81.0 FT NORTHEAST OF THE APPROXIMATE CENTERLINE OF STATE
DJ8307'HIGHWAY 60 WESTBOUND LANES, 50.0 FT SOUTHEAST OF THE OSCEOLA-INDIAN
DJ8307'RIVER COUNTY LINE, 16.7 FT NORTHWEST OF A WOODEN POWER POLE NUMBER 17
DJ8307'426 27, 3.1 FT SOUTHWEST OF A HOGWIRE FENCE AND 3.0 FT SOUTHWEST OF A
DJ8307'CARSONITE WITNESS POST.

DJ8307'

DJ8307'NOTE A MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.

DJ8307'

DJ8307'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH NGS LOGO CAP.

DJ8307

DJ8307 STATION RECOVERY (2010)

DJ8307

DJ8307'RECOVERY NOTE BY CREECH ENGINEERS INC 2010 (DI)

DJ8307'RECOVERED AS DESCRIBED.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = MARCH 24, 2016
DF6726 *****
DF6726 DESIGNATION - R 513
DF6726 PID - DF6726
DF6726 STATE/COUNTY- FL/OSCEOLA
DF6726 COUNTRY - US
DF6726 USGS QUAD - CYPRESS LAKE (1987)
DF6726
DF6726 *CURRENT SURVEY CONTROL
DF6726
DF6726* NAD 83(2011) POSITION- 28 05 03.30041(N) 081 16 40.36496(W) ADJUSTED
DF6726* NAD 83(2011) ELLIP HT- -8.582 (meters) (06/27/12) ADJUSTED
DF6726* NAD 83(2011) EPOCH - 2010.00
DF6726* NAVD 88 ORTHO HEIGHT - 19.096 (meters) 62.65 (feet) ADJUSTED
DF6726
DF6726 NAD 83(2011) X - 853,947.606 (meters) COMP
DF6726 NAD 83(2011) Y - -5,566,199.078 (meters) COMP
DF6726 NAD 83(2011) Z - 2,984,741.748 (meters) COMP
DF6726 LAPLACE CORR - -1.43 (seconds) DEFLEC12B
DF6726 GEOID HEIGHT - -27.671 (meters) GEOID12B
DF6726 DYNAMIC HEIGHT - 19.068 (meters) 62.56 (feet) COMP
DF6726 MODELED GRAVITY - 979,150.8 (mgal) NAVD 88
DF6726
DF6726 VERT ORDER - SECOND CLASS I
DF6726
DF6726 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
DF6726 Standards:
DF6726 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
DF6726 Horiz Ellip SD_N SD_E SD_h (unitless)
DF6726 -----
DF6726 NETWORK 0.97 1.45 0.36 0.43 0.74 -0.05982679
DF6726 -----
DF6726 Click here for local accuracies and other accuracy information.
DF6726
DF6726
DF6726.The horizontal coordinates were established by GPS observations
DF6726.and adjusted by the National Geodetic Survey in June 2012.
DF6726
DF6726.NAD 83(2011) refers to NAD 83 coordinates where the reference
DF6726.frame has been affixed to the stable North American tectonic plate. See
DF6726.NA2011 for more information.
DF6726
DF6726.The horizontal coordinates are valid at the epoch date displayed above
DF6726.which is a decimal equivalence of Year/Month/Day.
DF6726
DF6726.The orthometric height was determined by differential leveling and
DF6726.adjusted by the NATIONAL GEODETIC SURVEY
DF6726.in April 2004.
DF6726
DF6726.Significant digits in the geoid height do not necessarily reflect accuracy.
DF6726.GEOID12B height accuracy estimate available here.
DF6726
DF6726.The X, Y, and Z were computed from the position and the ellipsoidal ht.
DF6726
DF6726.The Laplace correction was computed from DEFLEC12B derived deflections.
DF6726

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DF6726.The ellipsoidal height was determined by GPS observations
DF6726.and is referenced to NAD 83.

DF6726

DF6726.The dynamic height is computed by dividing the NAVD 88
DF6726.geopotential number by the normal gravity value computed on the
DF6726.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DF6726.degrees latitude (g = 980.6199 gals.).

DF6726

DF6726.The modeled gravity was interpolated from observed gravity values.

DF6726

DF6726. The following values were computed from the NAD 83(2011) position.

DF6726

DF6726;	North	East	Units	Scale	Factor	Converg.
DF6726;SPC FL E	- 415,576.222	172,690.122	MT	0.99995038	-0 07 50.9	
DF6726;SPC FL E	- 1,363,436.32	566,567.51	sFT	0.99995038	-0 07 50.9	
DF6726;UTM 17	- 3,106,566.411	472,699.440	MT	0.99960920	-0 07 50.9	

DF6726!

DF6726!	Elev Factor	x	Scale Factor	=	Combined Factor
DF6726!SPC FL E	- 1.00000135	x	0.99995038	=	0.99995173
DF6726!UTM 17	- 1.00000135	x	0.99960920	=	0.99961055

DF6726

SUPERSEDED SURVEY CONTROL

DF6726

DF6726	NAD 83(2007)-	28 05 03.30062(N)	081 16 40.36622(W)	AD(2002.00)	0
DF6726	ELLIP H (02/10/07)	-8.584 (m)		GP(2002.00)	
DF6726	NAD 83(1999)-	28 05 03.30061(N)	081 16 40.36586(W)	AD()	1
DF6726	ELLIP H (01/28/04)	-8.587 (m)		GP()	3 1
DF6726	NAVD 88 (01/28/04)	19.10 (m)	GEOID99 model used	GPS OBS	

DF6726

DF6726.Superseded values are not recommended for survey control.

DF6726

DF6726.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

DF6726.[See file dsdata.txt](#) to determine how the superseded data were derived.

DF6726

DF6726_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM7269906566(NAD 83)

DF6726

DF6726_MARKER: DD = SURVEY DISK

DF6726_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

DF6726_STAMPING: R 513 2001

DF6726_MARK LOGO: FLDEP

DF6726_PROJECTION: RECESSED 5 CENTIMETERS

DF6726_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

DF6726_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

DF6726+STABILITY: SURFACE MOTION

DF6726_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DF6726+SATELLITE: SATELLITE OBSERVATIONS - September 01, 2010

DF6726

DF6726	HISTORY	- Date	Condition	Report By
DF6726	HISTORY	- 20010628	MONUMENTED	FLDEP
DF6726	HISTORY	- 20030417	GOOD	FLDEP
DF6726	HISTORY	- 20100901	GOOD	INDIV

DF6726

STATION DESCRIPTION

DF6726

DF6726'DESCRIBED BY FL DEPT OF ENV PRO 2001 (JLM)

DF6726'THE MARK IS ABOUT 14.0 MI SOUTH OF ST. CLOUD, IN SECTION 1, TOWNSHIP

DF6726'28 SOUTH, RANGE 30

DF6726'EAST.

DF6726'

DF6726'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 192, 441 (13TH
DF6726'STREET) AND

DF6726'COUNTY ROAD 523 (VERMONT AVENUE) IN ST. CLOUD, GO SOUTH ON COUNTY ROAD
DF6726'523 (VERMONT

DF6726'AVENUE) FOR 11.6 MI TO THE FLORIDA TURNPIKE UNDERPASS, CONTINUE SOUTH

DF6726'ON COUNTY ROAD

DF6726'523 FOR 0.1 MI TO THE JUNCTION OF LAKE CYPRESS ROAD ON THE RIGHT, TURN

DF6726'RIGHT ON LAKE
DF6726'CYPRESS ROAD AND GO WEST FOR 0.75 MI TO THE JUNCTION OF A DIRT ROAD ON
DF6726'THE LEFT AND THE
DF6726'MARK ON THE LEFT, SET IN THE TOP OF A ROUND CONCRETE MONUMENT RECESSED
DF6726'0.2 FT BELOW
DF6726'THE LEVEL OF THE GROUND AND ABOUT LEVEL WITH LAKE CYPRESS ROAD.
DF6726'
DF6726'LOCATED 94.5 FT NORTHEAST OF THE CENTER OF A METAL GATE, 51.0 FT SOUTH
DF6726'OF THE
DF6726'APPROXIMATE CENTERLINE OF LAKE CYPRESS ROAD, 31.9 FT EAST OF THE
DF6726'APPROXIMATE
DF6726'CENTERLINE OF A DIRT ROAD AND 1.5 FT WEST OF A CARSONITE WITNESS POST
DF6726'IN A BARBWIRE
DF6726'FENCELINE.
DF6726'
DF6726'NOTE A MAGNET WAS IMBEDDED IN THE GROUND ON THE SOUTH SIDE OF THE
DF6726'MONUMENT.
DF6726
DF6726 STATION RECOVERY (2003)
DF6726
DF6726'RECOVERY NOTE BY FL DEPT OF ENV PRO 2003 (BPJ)
DF6726'RECOVERED AS DESCRIBED.
DF6726
DF6726 STATION RECOVERY (2010)
DF6726
DF6726'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2010 (RO)
DF6726'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:02