

# The NGS Data Sheet

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

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PROGRAM = datasheet95, VERSION = 8.1
1      National Geodetic Survey,  Retrieval Date = JUNE  6, 2013
AD6837
*****
AD6837 DESIGNATION - MIDDLE
AD6837 PID - AD6837
AD6837 STATE/COUNTY- FL/PALM BEACH
AD6837 COUNTRY - US
AD6837 USGS QUAD - DELRAY BEACH (1983)
AD6837
AD6837 *CURRENT SURVEY CONTROL
AD6837

AD6837* NAD 83(2011) POSITION- 26 27 52.26326(N) 080 03 27.83698(W)
ADJUSTED
AD6837* NAD 83(2011) ELLIP HT- -22.233 (meters) (06/27/12)
ADJUSTED
AD6837* NAD 83(2011) EPOCH - 2010.00
AD6837* NAVD 88 ORTHO HEIGHT - 3.933 (meters) 12.90 (feet)
ADJUSTED
AD6837

AD6837 NAD 83(2011) X - 986,478.224 (meters) COMP
AD6837 NAD 83(2011) Y - -5,627,749.854 (meters) COMP
AD6837 NAD 83(2011) Z - 2,825,216.180 (meters) COMP
AD6837 LAPLACE CORR - -4.70 (seconds)
DEFLEC12A
AD6837 GEOID HEIGHT - -26.14 (meters)
GEOID12A
AD6837 DYNAMIC HEIGHT - 3.927 (meters) 12.88 (feet) COMP
AD6837 MODELED GRAVITY - 979,094.0 (mgal) NAVD
88
AD6837
AD6837 VERT ORDER - FIRST CLASS II
AD6837
AD6837 FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
AD6837 Type Horiz Ellip Dist(km)
AD6837 -----
AD6837 NETWORK 1.63 2.80
AD6837 -----
AD6837 MEDIAN LOCAL ACCURACY AND DIST (010 points) 1.60 2.76 5.71
AD6837 -----
AD6837 NOTE: Click here for information on individual local accuracy
AD6837 values and other accuracy information.
AD6837
AD6837
AD6837.The horizontal coordinates were established by GPS observations
AD6837.and adjusted by the National Geodetic Survey in June 2012.
AD6837
AD6837.NAD 83(2011) refers to NAD 83 coordinates where the reference
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AD6837.frame has been affixed to the stable North American tectonic plate.  
See

AD6837.[NA2011](#) for more information.

AD6837

AD6837.The horizontal coordinates are valid at the epoch date displayed  
above

AD6837.which is a decimal equivalence of Year/Month/Day.

AD6837

AD6837.The orthometric height was determined by differential leveling and

AD6837.adjusted by the NATIONAL GEODETIC SURVEY

AD6837.in May 1994.

AD6837

AD6837.[Photographs](#) are available for this station.

AD6837

AD6837.The X, Y, and Z were computed from the position and the ellipsoidal  
ht.

AD6837

AD6837.The Laplace correction was computed from DEFLEC12A derived  
deflections.

AD6837

AD6837.The ellipsoidal height was determined by GPS observations

AD6837.and is referenced to NAD 83.

AD6837

AD6837.The dynamic height is computed by dividing the NAVD 88

AD6837.geopotential number by the normal gravity value computed on the

AD6837.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AD6837.degrees latitude (g = 980.6199 gals.).

AD6837

AD6837.The modeled gravity was interpolated from observed gravity values.

AD6837

AD6837. The following values were computed from the NAD 83(2011) position.

AD6837

AD6837;		North	East	Units	Scale	Factor
Converg.						
AD6837;SPC FL E	-	236,420.783	293,960.609	MT	1.00005014	+0 25

11.8

AD6837;SPC FL E	-	775,657.19	964,435.76	sFT	1.00005014	+0 25
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11.8

AD6837;UTM 17	-	2,927,472.099	593,928.550	MT	0.99970892	+0 25
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11.8

AD6837

AD6837!		Elev Factor	x	Scale Factor	=	Combined Factor
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AD6837!SPC FL E	-	1.00000349	x	1.00005014	=	1.00005363
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AD6837!UTM 17	-	1.00000349	x	0.99970892	=	0.99971241
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AD6837

AD6837:		Primary Azimuth Mark		Grid Az
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AD6837:SPC FL E	-	WEED RM 4		186 22 19.5
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AD6837:UTM 17	-	WEED RM 4		186 22 19.5
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AD6837

AD6837|-----

AD6837	PID	Reference Object	Distance	Geod. Az
AD6837				ddmmss.s
AD6837	AD6840	ELKHART RM 3	APPROX. 0.6 KM	0083334.6

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AD6837| AD8611 T46S R43E SECS 9 10 15 16                APPROX. 0.5 KM 0111759.8
|
AD6837| AD6825 WEED RM 4                                APPROX. 3.7 KM 1864731.3
|
AD6837| AD2698 DELRAY RM 5                               298.816 METERS 19203
|
AD6837| AD2697 DELRAY RESET                             295.136 METERS 19253
|
AD6837| AD8057 MIDDLE RM 1                               6.587 METERS 35709
|
AD6837|-----
|
AD6837
AD6837                SUPERSEDED SURVEY CONTROL
AD6837
AD6837 NAD 83(2007)- 26 27 52.26347(N)    080 03 27.83760(W) AD(      ) 0
AD6837 ELLIP H (02/10/07) -22.216 (m)      GP(      )
AD6837 NAD 83(1999)- 26 27 52.26386(N)    080 03 27.83720(W) AD(      ) 1
AD6837 ELLIP H (07/06/01) -22.248 (m)      GP(      ) 4
2
AD6837 NAD 83(1990)- 26 27 52.26212(N)    080 03 27.83639(W) AD(      ) 1
AD6837 ELLIP H (08/13/93) -22.240 (m)      GP(      ) 4
1
AD6837 NAD 83(1990)- 26 27 52.26259(N)    080 03 27.83598(W) AD(      ) 1
AD6837 ELLIP H (03/31/93) -22.249 (m)      GP(      ) 4
1
AD6837 NAD 83(1990)- 26 27 52.26068(N)    080 03 27.83818(W) AD(      ) 1
AD6837 NAD 83(1986)- 26 27 52.26565(N)    080 03 27.84548(W) AD(      ) 1
AD6837 NAD 27      - 26 27 51.00205(N)    080 03 28.69433(W) AD(      ) 1
AD6837 NGVD 29 (09/01/92) 4.406 (m)      14.46 (f) ADJUSTED 1
2
AD6837
AD6837.Superseded values are not recommended for survey control.
AD6837
AD6837.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AD6837.See file dsdata.txt to determine how the superseded data were
derived.
AD6837
AD6837_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK9392827472(NAD 83)
AD6837
AD6837_MARKER: DS = TRIANGULATION STATION DISK
AD6837_SETTING: 31 = SET IN A PAVEMENT SUCH AS STREET, SIDEWALK, CURB, ETC.
AD6837_SP_SET: SIDEWALK
AD6837_STAMPING: MIDDLE 1970
AD6837_MARK LOGO: NGS
AD6837_MAGNETIC: N = NO MAGNETIC MATERIAL
AD6837_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
AD6837_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
AD6837+SATELLITE: SATELLITE OBSERVATIONS - May 31, 2004
AD6837
AD6837 HISTORY      - Date      Condition      Report By
AD6837 HISTORY      - 1970      MONUMENTED      NGS
AD6837 HISTORY      - 1970      GOOD            NGS
AD6837 HISTORY      - 1973      GOOD            NGS
AD6837 HISTORY      - 1988      GOOD            USPSQD
AD6837 HISTORY      - 19910110 GOOD            NGS
AD6837 HISTORY      - 19910602 GOOD            USPSQD

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AD6837	HISTORY	- 19910810	GOOD	ADRGs
AD6837	HISTORY	- 20031205	GOOD	USPSQD
AD6837	HISTORY	- 20040531	GOOD	CHANCE
AD6837	HISTORY	- 20100312	GOOD	GEOCAC

AD6837

AD6837 STATION DESCRIPTION

AD6837

AD6837'DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (NCA)

AD6837'THE STATION IS LOCATED ON THE NORTHEAST EDGE OF DELRAY BEACH.

AD6837'

AD6837'TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS A1A

AD6837'AND 806 ON THE EAST EDGE OF DELRAY BEACH, GO NORTH ON STATE

AD6837'HIGHWAY A1A FOR 0.2 MILE TO THE STATION ON THE RIGHT AS DESCRIBED.

AD6837'

AD6837'STATION MARK, STAMPED MIDDLE 1970 IS A STANDARD DISK CEMENTED

AD6837'IN A DRILL HOLE IN A CONCRETE SIDEWALK. IT IS 52.5 FEET EAST OF

AD6837'THE CENTER OF HIGHWAY A1A, 50 FEET NORTHEAST OF A 12-INCH PALM

AD6837'TREE, 35 FEET SOUTHEAST OF A 10-INCH PALM TREE AND 5 FEET EAST OF A

AD6837'2-FOOT HIGH CONCRETE WALL.

AD6837'

AD6837'REFERENCE MARK 1, STAMPED MIDDLE NO 1 1970 IS A STANDARD

AD6837'DISK CEMENTED IN A DRILL HOLE IN A CONCRETE SIDEWALK. IT IS

AD6837'70 FEET NORTHEAST OF THE 12-INCH PALM TREE, 48 FEET EAST OF THE

AD6837'CENTER OF HIGHWAY A1A, 16 FEET SOUTHEAST OF A 10-INCH PALM TREE

AD6837'AND 1 FOOT EAST OF THE 2-FOOT HIGH CONCRETE WALL.

AD6837'

AD6837'NOTE--TRIANGULATION STATION ELKHART RM 3 MAY BE USED AS AN

AD6837'AZIMUTH MARK.

AD6837'

AD6837'TO REACH ELKHART RM 3 FROM STATION MIDDLE, GO NORTH ON STATE

AD6837'HIGHWAY A1A FOR 0.35 MILE TO THE STATION ON THE RIGHT AS DESCRIBED.

AD6837'

AD6837'ELKHART RM 3, STAMPED ELKHART NO 3 1934 1970 IS A STANDARD DISK

AD6837'CEMENTED IN A DRILL HOLE IN A CONCRETE SIDEWALK. IT IS 38 FEET

AD6837'EAST OF THE CENTER OF HIGHWAY A1A, 31.5 FEET NORTH-NORTHEAST OF A

AD6837'Shower FOR SWIMMERS, 22 FEET NORTHWEST OF TOP OF STEPS LEADING

AD6837'TO THE BEACH, 7 FEET WEST OF THE EAST EDGE OF THE SIDEWALK AND

AD6837'3 FEET EAST OF A 2-FOOT HIGH CONCRETE WALL.

AD6837'

AD6837'HEIGHT OF LIGHT ABOVE STATION MARK 1 METER.

AD6837

AD6837 STATION RECOVERY (1970)

AD6837

AD6837'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1970

AD6837'RECOVERED IN GOOD CONDITION.

AD6837

AD6837 STATION RECOVERY (1973)

AD6837

AD6837'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1973 (RRW)

AD6837'STATION MARK, R.M. 1 AND ELKHART R.M. 3 (AZIMUTH MARK) ALL

AD6837'RECOVERED IN GOOD CONDITION AS DESCRIBED BY N.C.A. IN G-14639,

AD6837'PAGE 99 WITH THE FOLLOWING CORRECTIONS.

AD6837'

AD6837'1. DELETE 50 FEET NORTHEAST OF A 12-INCH PALM TREE, TREE NO

AD6837'LONGER EXISTS.

AD6837'

AD6837'2. FOR R.M. 1. DELETE 70 FEET NORTHEAST OF THE 12-INCH PALM TREE.

AD6837'  
AD6837'3. ADD--STATION IS 17 FEET NORTHEAST-EAST OF HISTORICAL MARKER  
AD6837'ORANGE GROVE HOUSE OF REFUGE 3 AND 9 FEET NORTH OF SOUTH  
AD6837'END OF SIDEWALK.  
AD6837  
AD6837 STATION RECOVERY (1988)  
AD6837  
AD6837'RECOVERY NOTE BY US POWER SQUADRON 1988 (EMM)  
AD6837'RECOVERED IN GOOD CONDITION.  
AD6837  
AD6837 STATION RECOVERY (1991)  
AD6837  
AD6837'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1991  
AD6837'0.3 KM (0.2 MI) NORTHERLY ALONG STATE HIGHWAY A1A (NORTH OCEAN  
AD6837'BOULEVARD) FROM THE INTERSECTION OF STATE HIGHWAY 806 (EAST ATLANTIC  
AD6837'BOULEVARD) IN DELRAY BEACH, IN THE EAST EDGE OF A CONCRETE SIDEWALK,  
AD6837'15.5 M (50.9 FT) EAST OF AND LEVEL WITH THE HIGHWAY CENTERLINE, 6.7 M  
AD6837'(22.0 FT) SOUTH OF REFERENCE MARK 1, 3.1 M (10.2 FT) NORTHEAST OF THE  
AD6837'SOUTH END OF A CONCRETE RETAINING WALL, 2.8 M (9.2 FT) NORTH OF THE  
AD6837'SOUTH END OF THE SIDEWALK, 1.6 M (5.2 FT) EAST OF A CONCRETE WALL,  
AD6837'AND 1.1 M (3.6 FT) WEST OF A WITNESS POST.  
AD6837  
AD6837 STATION RECOVERY (1991)  
AD6837  
AD6837'RECOVERY NOTE BY US POWER SQUADRON 1991 (BJS)  
AD6837'RECOVERED IN GOOD CONDITION.  
AD6837  
AD6837 STATION RECOVERY (1991)  
AD6837  
AD6837'RECOVERY NOTE BY ADR GEODETIC SERVICES 1991  
AD6837'TO REACH THE STATION FROM THE INTERSECTION OF ATLANTIC AVENUE (STATE  
AD6837'ROUTE 806) AND OCEAN BOULEVARD (STATE ROUTE A1A) IN DELRAY BEACH, GO  
AD6837'NORTH ON OCEAN BOULEVARD FOR 0.2 MI (0.32 KM) TO THE STATION ON THE  
AD6837'RIGHT, IN THE EAST CONCRETE SIDEWALK ON OCEAN BOULEVARD 24.5 FEET  
AD6837'EAST OF THE EAST EDGE OF PAVEMENT, OPPOSITE PARKING METER B122 ON THE  
AD6837'EAST SIDE OF OCEAN BOULEVARD.  
AD6837'THE STATION IS NORTH 24.5 FT (7.47 M) FROM A 2 FOOT HIGH CONCRETE  
WALL  
AD6837'NEXT TO THE SIDEWALK, NORTHEAST 32.2 FT (9.81 M) FROM A HISTORICAL  
AD6837'SIGN MARKER, AND EAST 22.4 FT (6.83 M) FROM PARKING METER B123.  
AD6837  
AD6837 STATION RECOVERY (2003)  
AD6837  
AD6837'RECOVERY NOTE BY US POWER SQUADRON 2003 (AAS)  
AD6837'RM 1 GOOD  
AD6837  
AD6837 STATION RECOVERY (2004)  
AD6837  
AD6837'RECOVERY NOTE BY JE CHANCE AND ASSOCIATES 2004 (JWC)  
AD6837'LARGE TREES LOCATED ROUGHLY 2 M EAST AND WEST OF MONUMENT, NOT IDEAL  
AD6837'FOR GPS  
AD6837  
AD6837 STATION RECOVERY (2010)  
AD6837  
AD6837'RECOVERY NOTE BY GEOCACHING 2010 (RLM)  
AD6837'THE STATION MARK AND REFERENCE MARK 1 WERE RECOVERED IN GOOD  
AD6837'CONDITION.

