

# The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.12.5.2

1 National Geodetic Survey, Retrieval Date = MARCH 20, 2019

DG7829 \*\*\*\*\*

DG7829 HT\_MOD - This is a Height Modernization Survey Station.

DG7829 DESIGNATION - **BARKSDALE**

DG7829 PID - DG7829

DG7829 STATE/COUNTY- SC/LAURENS

DG7829 COUNTRY - US

DG7829 USGS QUAD - LAURENS NORTH (1983)

DG7829

\*CURRENT SURVEY CONTROL

DG7829

DG7829\* NAD 83(2011) POSITION- 34 33 32.15095(N) 082 04 45.37119(W) ADJUSTED

DG7829\* NAD 83(2011) ELLIP HT- 193.778 (meters) (06/27/12) ADJUSTED

DG7829\* NAD 83(2011) EPOCH - 2010.00

DG7829\* NAVD 88 ORTHO HEIGHT - 224.40 (meters) **736.2** (feet) GPS OBS

DG7829

DG7829 NAVD 88 orthometric height was determined with geoid model GEOID03

DG7829 GEOID HEIGHT - -30.602 (meters) GEOID03

DG7829 GEOID HEIGHT - -30.613 (meters) GEOID12B

DG7829 NAD 83(2011) X - 724,636.260 (meters) COMP

DG7829 NAD 83(2011) Y - -5,208,329.562 (meters) COMP

DG7829 NAD 83(2011) Z - 3,597,787.527 (meters) COMP

DG7829 LAPLACE CORR - 0.26 (seconds) DEFLEC12B

DG7829

DG7829 Network accuracy estimates per FGDC Geospatial Positioning Accuracy

DG7829 Standards:

	FGDC (95% conf, cm)		Standard deviation (cm)			CorrNE
	Horiz	Ellip	SD_N	SD_E	SD_h	(unitless)

NETWORK	0.99	1.35	0.43	0.38	0.69	-0.06220380
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DG7829 Click [here](#) for local accuracies and other accuracy information.

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DG7829.The horizontal coordinates were established by GPS observations

DG7829.and adjusted by the National Geodetic Survey in June 2012.

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DG7829.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has

DG7829.been affixed to the stable North American tectonic plate. See

DG7829.[NA2011](#) for more information.

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DG7829.The horizontal coordinates are valid at the epoch date displayed above

DG7829.which is a decimal equivalence of Year/Month/Day.

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DG7829.The orthometric height was determined by GPS observations and a

DG7829.high-resolution geoid model using precise GPS observation and

DG7829.processing techniques.

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DG7829.Significant digits in the geoid height do not necessarily reflect accuracy.

DG7829.GEOID12B height accuracy estimate available [here](#).

DG7829

DG7829. Photographs are available for this station.

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DG7829. The X, Y, and Z were computed from the position and the ellipsoidal ht.

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DG7829. The Laplace correction was computed from DEFLEC12B derived deflections.

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DG7829. The ellipsoidal height was determined by GPS observations

DG7829. and is referenced to NAD 83.

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DG7829. The following values were computed from the NAD 83(2011) position.

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	North	East	Units	Scale	Factor	Converg.
DG7829; SPC SC	- 302,783.895	510,559.999	MT	0.99991404	-0 35 54.0	
DG7829; SPC SC	- 993,385.48	1,675,065.61	MT	0.99991404	-0 35 54.0	
DG7829; UTM 17	- 3,824,660.972	400,987.200	MT	0.99972083	-0 36 44.2	

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DG7829! - Elev Factor x Scale Factor = Combined Factor

DG7829! SPC SC - 0.99996958 x 0.99991404 = 0.99988363

DG7829! UTM 17 - 0.99996958 x 0.99972083 = 0.99969042

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DG7829 U.S. NATIONAL GRID SPATIAL ADDRESS: 17SMU0098724660 (NAD 83)

DG7829

DG7829 SUPERSEDED SURVEY CONTROL

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DG7829	ELLIP H (12/01/11)	193.776 (m)	GP( )	3 1
DG7829	NAD 83(2007)-	34 33 32.15056(N)	082 04 45.37175(W)	AD(2002.00) 0
DG7829	ELLIP H (02/10/07)	193.801 (m)	GP(2002.00)	
DG7829	NAD 83(2001)-	34 33 32.15077(N)	082 04 45.37215(W)	AD( ) 1
DG7829	ELLIP H (10/29/04)	193.794 (m)	GP( )	4 1

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DG7829. Superseded values are not recommended for survey control.

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DG7829. NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

DG7829. See file [dsdata.pdf](#) to determine how the superseded data were derived.

DG7829

DG7829 MARKER: DD = SURVEY DISK

DG7829 SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

DG7829 STAMPING: BARKSDALE 2004

DG7829 MARK LOGO: SCGS

DG7829 PROJECTION: FLUSH

DG7829 MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

DG7829 STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

DG7829 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DG7829+SATELLITE: SATELLITE OBSERVATIONS - September 20, 2010

DG7829

DG7829	HISTORY	- Date	Condition	Report By
DG7829	HISTORY	- 20040120	MONUMENTED	SCGS
DG7829	HISTORY	- 20100920	GOOD	SCGS

DG7829

DG7829 STATION DESCRIPTION

DG7829

DG7829 DESCRIBED BY SOUTH CAROLINA GEODETIC SURVEY 2004 (DDW)

DG7829 STATION IS LOCATED 0.8 MILES SOUTH SOUTHEAST OF BARKSDALE, 5.5 MILES

DG7829 NORTHWEST OF LAURENS. OWNERSHIP--SCDOT, DIRECTOR OF PRECONSTRUCTION,

DG7829 P.O. BOX 191, COLUMBIA, SC 29202, PHONE 803-737-1350. TO REACH THE

DG7829 STATION FROM THE JUNCTION OVERPASS OF INTERSTATE 385 (EXIT 10) AND

DG7829 STATE HIGHWAY 23 (METRIC RD.) 4.9 MILES NORTH OF LAURENS, FROM EXIT

DG7829 10 GO WEST ON HIGHWAY 23 FOR 3.51 MILES TO THE COMMUNITY OF BARKSDALE

DG7829 AND THE JUNCTION WITH STATE HWY 14, TURN LEFT AND GO SOUTH SOUTHEAST

DG7829\*ON HWY 14 FOR 0.87 MILES TO THE STATION ON THE LEFT. STATION IS A  
DG7829\*CONCRETE POST FLUSH WITH THE GROUND AND ABOUT LEVEL WITH THE ROAD,  
DG7829\*268 FT NORTH NORTHEAST OF A BLACHTOP DRIVEWAY CENTERLINE, 120.5 FT  
DG7829\*SOUTH SOUTHEAST CONCRETE CULVERT, 39.0 FT EAST NORTHEAST OF THE  
DG7829\*CENTERLINE OF HWY 14, AND 24 FT SOUT OF A POLE. NO WITNESS POST.  
DG7829\*

DG7829\*DESCRIBED BY J. HARRINGTON

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DG7829

STATION RECOVERY (2010)

DG7829

DG7829\*RECOVERY NOTE BY SOUTH CAROLINA GEODETIC SURVEY 2010 (DDW)

DG7829\*STATION IS LOCATED 6.8 MI (10.9 KM) EAST-NORTHEAST OF HICKORY TAVERN,

DG7829\*5.6 MI (9.0 KM) NORTHWEST OF LAURENS, 4.0 MI (6.4 KM) SOUTH-SOUTHEAST

DG7829\*OF GRAY COURT. OWNERSHIP--SCDOT, DIRECTOR OF PRECONSTRUCTION, P.O.

DG7829\*BOX 191, COLUMBIA, SC 29202, PHONE 803-737-1350.

DG7829\*

DG7829\*TO REACH THE STATION FROM THE OVERPASS JUNCTION OF INTERSTATE 385

DG7829\*(EXIT 10) AND STATE ROAD 23 (METRIC ROAD), 4.9 MI (7.9 KM) NORTH OF

DG7829\*LAURENS, GO WEST ON ROAD 23 FOR 3.5 MI (5.6 KM) TO THE JUNCTION OF

DG7829\*STATE HIGHWAY 14. TURN LEFT ON HIGHWAY 14 FOR 0.85 MI (1.4 KM) TO THE

DG7829\*STATION ON THE LEFT NEAR A POWER POLE. STATION IS A CONCRETE POST

DG7829\*FLUSH WITH THE GROUND AND LEVEL WITH THE HIGHWAY, 39.0 FT (11.9 M)

DG7829\*EAST-NORTHEAST OF THE CENTER OF THE HIGHWAY, 23.9 FT (7.3 M) SOUTH OF

DG7829\*THE POWER POLE WITH A SCGS REFERENCE WASHER ATTACHED, 23.9 FT (7.3 M)

DG7829\*SOUTH OF A WITNESS POST. RECOVERED BY J.B. SMOAK.

\*\*\* retrieval complete.

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