

# The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.12.5.14

Starting Datasheet Retrieval...

1 National Geodetic Survey, Retrieval Date = JANUARY 26, 2022

FA1560 \*\*\*\*\*

FA1560 DESIGNATION - 42 025 AZ MK

FA1560 PID - FA1560

FA1560 STATE/COUNTY- SC/SPARTANBURG

FA1560 COUNTRY - US

FA1560 USGS QUAD - CHESNEE (2017)

FA1560

FA1560 \*CURRENT SURVEY CONTROL

FA1560

FA1560\* NAD 83(2011) POSITION- 35 09 38.53649(N) 081 52 27.79924(W) ADJUSTED

FA1560\* NAD 83(2011) ELLIP HT- 253.812 (meters) (06/27/12) ADJUSTED

FA1560\* NAD 83(2011) EPOCH - 2010.00

FA1560\* NAVD 88 ORTHO HEIGHT - 285.754 (meters) 937.51 (feet) ADJUSTED

FA1560

FA1560 GEOID HEIGHT - -31.917 (meters) GEOID18

FA1560 NAD 83(2011) X - 737,869.219 (meters) COMP

FA1560 NAD 83(2011) Y - -5,167,977.953 (meters) COMP

FA1560 NAD 83(2011) Z - 3,652,603.288 (meters) COMP

FA1560 LAPLACE CORR - 0.50 (seconds) DEFLEC18

FA1560 DYNAMIC HEIGHT - 285.468 (meters) 936.57 (feet) COMP

FA1560 MODELED GRAVITY - 979,629.7 (mgal) NAVD 88

FA1560

FA1560 VERT ORDER - FIRST CLASS II

FA1560

FA1560 Network accuracy estimates per FGDC Geospatial Positioning Accuracy

FA1560 Standards:

FA1560	FGDC (95% conf, cm)	Standard deviation (cm)			CorrNE
FA1560	Horiz Ellip	SD_N	SD_E	SD_h	(unitless)

FA1560	-----	-----	-----	-----	-----
FA1560	NETWORK	1.08	1.08	0.49	0.38
FA1560	-----	-----	-----	-----	-----

FA1560 Click [here](#) for local accuracies and other accuracy information.

FA1560

FA1560

FA1560.The horizontal coordinates were established by GPS observations

FA1560.and adjusted by the National Geodetic Survey in June 2012.

FA1560

FA1560.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has

FA1560.been affixed to the stable North American tectonic plate. See

FA1560.[NA2011](#) for more information.

FA1560

FA1560.The horizontal coordinates are valid at the epoch date displayed above

FA1560.which is a decimal equivalence of Year/Month/Day.

FA1560

FA1560.The orthometric height was determined by differential leveling and

FA1560.adjusted by the NATIONAL GEODETIC SURVEY

FA1560.in June 1991.

FA1560

FA1560.Significant digits in the geoid height do not necessarily reflect accuracy.

FA1560.GEOID18 height accuracy estimate available [here](#).

FA1560

FA1560.Click [photographs](#) - Photos may exist for this station.

FA1560

FA1560.The X, Y, and Z were computed from the position and the ellipsoidal ht.

FA1560

FA1560.The Laplace correction was computed from DEFLEC18 derived deflections.

FA1560

FA1560.The ellipsoidal height was determined by GPS observations

FA1560.and is referenced to NAD 83.

FA1560

FA1560.The dynamic height is computed by dividing the NAVD 88

FA1560.geopotential number by the normal gravity value computed on the

FA1560.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

FA1560.degrees latitude (g = 980.6199 gals.).

FA1560

FA1560.The modeled gravity was interpolated from observed gravity values.

FA1560

FA1560. The following values were computed from the NAD 83(2011) position.

FA1560

FA1560;	North	East	Units	Scale	Factor	Converg.
FA1560;SPC SC	- 369,364.331	529,925.398	MT	1.00013287	-0 29 05.1	
FA1560;SPC SC	- 1,211,825.23	1,738,600.39	IFT	1.00013287	-0 29 05.1	
FA1560;UTM 17	- 3,891,214.771	420,365.848	MT	0.99967815	-0 30 12.8	

FA1560

FA1560! - Elev Factor x Scale Factor = Combined Factor

FA1560!SPC SC - 0.99996016 x 1.00013287 = 1.00009303

FA1560!UTM 17 - 0.99996016 x 0.99967815 = 0.99963833

FA1560

FA1560\_U.S. NATIONAL GRID SPATIAL ADDRESS: 17SMU2036591214(NAD 83)

FA1560

FA1560	PID	Reference Object	Distance	Geod. Az
FA1560				ddmmss.s
FA1560	FA1561 42 025		362.743 METERS	28212

FA1560

FA1560 SUPERSEDED SURVEY CONTROL

FA1560

FA1560	NAD 83(2007)-	35 09 38.53619(N)	081 52 27.80011(W)	AD(2002.00)	1
FA1560	ELLIP H (12/01/11)	253.826 (m)		GP(2002.00)	3 1
FA1560	NAD 83(2001)-	35 09 38.53716(N)	081 52 27.79878(W)	AD( )	2
FA1560	NAD 83(1986)-	35 09 38.54940(N)	081 52 27.80464(W)	AD( )	2
FA1560	NAD 27	- 35 09 38.12152(N)	081 52 28.41563(W)	AD( )	2
FA1560	NAVD 88	285.75 (m)	937.5 (f)	LEVELING	3
FA1560	NGVD 29 (09/16/91)	285.848 (m)	937.82 (f)	ADJUSTED	1 2
FA1560	NGVD 29 (07/19/86)	286. (m)	938. (f)	VERT ANG	

FA1560

FA1560.Superseded values are not recommended for survey control.

FA1560

FA1560.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

FA1560.See file [dsdata.pdf](#) to determine how the superseded data were derived.

FA1560

FA1560\_MARKER: DD = SURVEY DISK

FA1560\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

FA1560\_STAMPING: AZ MK 42 025 1982

FA1560\_MARK LOGO: SCGS

FA1560\_PROJECTION: FLUSH

FA1560\_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

FA1560\_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

FA1560\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

FA1560+SATELLITE: SATELLITE OBSERVATIONS - September 28, 2010

FA1560

FA1560	HISTORY	- Date	Condition	Report By
FA1560	HISTORY	- 1982	MONUMENTED	SCGS
FA1560	HISTORY	- 1982	GOOD	SCGS
FA1560	HISTORY	- 19880801	GOOD	SCGS
FA1560	HISTORY	- 1990	GOOD	USPSQD
FA1560	HISTORY	- 20020730	GOOD	SCGS

FA1560 HISTORY - 20100928 GOOD SCGS

FA1560

FA1560

## STATION DESCRIPTION

FA1560

FA1560'DESCRIBED BY SOUTH CAROLINA GEODETIC SURVEY 1982 (VDN)

FA1560'THE STATION IS LOCATED ABOUT 11.7 KM (7.3 MI) NORTHEAST OF

FA1560'FINGERVILLE, 2.7 KM (1.7 MI) SOUTH OF THE NORTH CAROLINA AND

FA1560'SOUTH CAROLINA STATE LINE, 1.9 KM (1.2 MI) NORTHWEST OF THE

FA1560'CENTER OF CHESNEE. STATION IS SET ALONG ROAD RIGHT-OF-WAY.

FA1560'OWNERSHIP--SC DEPT OF HIGHWAYS AND PUBLIC TRANSP,

FA1560'FERRELL J PROSSER, DIRECTOR, SC GEODETIC SURVEY, 1028 SUMTER ST,

FA1560'SUITE 202, COLUMBIA SC 29201, PHONE 803-758-3604.

FA1560'

FA1560'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 221 AND

FA1560'STATE HIGHWAY 11 IN CHESNEE. GO WESTERLY ALONG HIGHWAY 11

FA1560'FOR 1.9 KM (1.2 MI) TO THE STATION ON THE RIGHT.

FA1560'

FA1560'THE STATION IS A STANDARD SCGS DISK

FA1560'STAMPED---AZ MK 42 025 1982---,

FA1560'SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 25 CM IN DIAMETER

FA1560'FLUSH WITH GROUND. IT IS LOCATED

FA1560'18.07 METERS (59.3 FT) SOUTHEAST FROM THE APPROXIMATE

FA1560'CENTER OF A WELCOME TO CHESNEE SIGN,

FA1560'17.65 METERS (57.9 FT) NORTHEAST FROM THE APPROXIMATE

FA1560'CENTER OF STATE HIGHWAY 11,

FA1560'5.77 METERS (18.93 FT) NORTH-NORTHEAST FROM A FIRE HYDRANT AND

FA1560'0.80 METER (2.62 FT) SOUTHWEST FROM A METAL WITNESS POST.

FA1560'

FA1560'HEIGHT OF LIGHT SHOWN ABOVE THE MARK WAS 1.6 METERS.

FA1560'NO REFERENCE MARKS WERE ESTABLISHED AT THIS TIME.

FA1560

FA1560

## STATION RECOVERY (1982)

FA1560

FA1560'RECOVERY NOTE BY SOUTH CAROLINA GEODETIC SURVEY 1982

FA1560'RECOVERED IN GOOD CONDITION.

FA1560

FA1560

## STATION RECOVERY (1988)

FA1560

FA1560'RECOVERY NOTE BY SOUTH CAROLINA GEODETIC SURVEY 1988

FA1560'STATION IS LOCATED 2.2 MI NORTHWEST OF CHESNEE, 9.8 MI EAST

FA1560'NORTHEAST OF NEW PROSPECT. OWNERSHIP--MR. GEORGE WEATHERS, DHPT

FA1560'PRECONSTRUCTION ENGINEER, P.O. BOX 191, COLUMBIA, SC 29202.

FA1560'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAYS 221, 221

FA1560'ALTERNATE AND STATE HIGHWAY 11 IN CHESNEE, GO WEST NORTHWESTERLY ON

FA1560'HIGHWAY 11 FOR 1.2 MI TO THE MARK ON THE RIGHT, NEAR A FIRE HYDRANT,

FA1560'0.1 MI EAST OF THE ENTRANCE DRIVEWAY TO THE CHESNEE SHRINERS CLUB.

FA1560'STATION IS A CONCRETE POST FLUSH WITH GROUND AND LEVEL WITH THE

FA1560'HIGHWAY, 89.3 FT WEST NORTHWEST OF A POWER POLE WITH LINES CROSSING

FA1560'THE HIGHWAY, 58.6 FT EAST SOUTHEAST OF THE SOUTH LEG OF A PIPE SIGN

FA1560'(WELCOME TO CHESNEE), 58.0 FT NORTH NORTHEAST OF THE CENTER OF THE

FA1560'HIGHWAY, 18.9 FT NORTH NORTHEAST OF A FIRE HYDRANT, 2.4 FT SOUTH

FA1560'SOUTHWEST OF A WITNESS POST.

FA1560

FA1560

## STATION RECOVERY (1990)

FA1560

FA1560'RECOVERY NOTE BY US POWER SQUADRON 1990 (RMP)

FA1560'RECOVERED IN GOOD CONDITION.

FA1560

FA1560

## STATION RECOVERY (2002)

FA1560

FA1560'RECOVERY NOTE BY SOUTH CAROLINA GEODETIC SURVEY 2002 (DDW)

FA1560'STATION IS LOCATED 1.35 MILES NORTHWEST OF CHESNEE, 14.95 MILES NORTH

FA1560'NORTHEAST OF

FA1560'SPARTANBURG. OWNERSHIP--SCDOT, DIRECTOR OF PRECONSTRUCTION, P.O. BOX

FA1560'191, COLUMBIA, SC

FA1560'29202, PHONE 803-737-1350.  
FA1560'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAYS 221 (ALABAMA  
FA1560'AVENUE),  
FA1560'221 ALTERNATE AND STATE HIGHWAY 11 (CHEROKEE STREET AND CHEROKEE  
FA1560'FOOTHILLS  
FA1560'SCENIC HIGHWAY) IN CHESNEE, GO WEST ON HIGHWAY 11 FOR 1.25 MILES TO  
FA1560'THE STATION ON THE  
FA1560'RIGHT IN AN OPEN AREA NEAR A FIRE HYDRANT.  
FA1560'STATION IS A CONCRETE POST FLUSH WITH THE GROUND AND LEVEL WITH THE  
FA1560'HIGHWAY,  
FA1560'57.5 FEET NORTHEAST OF THE CENTER OF THE HIGHWAY, 58.4 FEET EAST  
FA1560'SOUTHEAST OF THE  
FA1560'SOUTH LEG OF A METAL CHAIN LINK FENCE SIGN (WELCOME TO CHESNEE), 18.9  
FA1560'FEET NORTHEAST  
FA1560'OF A FIRE HYDRANT, 36.4 FEET SOUTHWEST OF A 1.6-FOOT OAK TREE, 90.6  
FA1560'FEET NORTHWEST OF  
FA1560'A POWER POLE 80T WITH FOUR GUY WIRES, 2.4 FEET SOUTHWEST OF A WITNESS  
FA1560'POST.  
FA1560'NOTE-STATION IS INTERVISIBLE WITH SURVEY STATION 42 025.  
FA1560'RECOVERED BY T. HALL.

FA1560

#### STATION RECOVERY (2010)

FA1560

FA1560'RECOVERY NOTE BY SOUTH CAROLINA GEODETIC SURVEY 2010 (DDW)  
FA1560'STATION IS LOCATED 14.1 MI (22.7 KM) WEST-NORTHWEST OF GAFFNEY, 10.7  
FA1560'MI (17.2 KM) NORTH-NORTHWEST OF COWPENS, 1.2 MI (1.9 KM) NORTHWEST OF  
FA1560'CHESNEE. OWNERSHIP--SCDOT, DIRECTOR OF PRECONSTRUCTION, P.O. BOX 191,  
FA1560'COLUMBIA, SC 29202, PHONE 803-737-1350.  
FA1560'

FA1560'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 221 (ALABAMA  
FA1560'AVENUE) AND STATE HIGHWAY 11 (CHEROKEE STREET) IN CHESNEE, GO WEST ON  
FA1560'HIGHWAY 11 FOR 1.2 MI (1.9 KM) TO THE STATION ON THE RIGHT NEAR A FIRE  
FA1560'HYDRANT. STATION IS A CONCRETE POST FLUSH WITH THE GROUND AND LEVEL  
FA1560'WITH THE HIGHWAY, 57.6 FT (17.6 M) NORTHEAST OF THE CENTER OF THE  
FA1560'HIGHWAY, 19.0 FT (5.8 M) NORTH-NORTHEAST OF THE FIRE HYDRANT, 90.9 FT  
FA1560'(27.7 M) WEST-NORTHWEST OF A POWER POLE 80/T WITH FOUR GUY WIRES, 36.8  
FA1560'FT (11.2 M) SOUTHWEST OF A 1.5-FT PECAN TREE WITH A SCGS REFERENCE  
FA1560'WASHER ATTACHED, 58.5 FT (17.8 M) SOUTHEAST OF THE SOUTHWEST LEG OF A  
FA1560'CHAIN LINK FENCE SIGN (WELCOME TO CHESNEE), 2.6 FT (0.8 M) SOUTHWEST  
FA1560'OF A WITNESS POST.

FA1560'

FA1560'NOTE-STATION IS INTERVISIBLE WITH SURVEY STATION 42 025. RECOVERED BY  
FA1560'R.P. MCKEOWN.

\*\*\* retrieval complete.  
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