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 = MAY 15, 2019
DH4681 ***
DH4681 DESIGNATION - AKDOTPF GPS 51
DH4681 PID - DH4681
DH4681 STATE/COUNTY- AK/KENAI PENINSULA BOROUGH
DH4681 COUNTRY - US
DH4681 USGS QUAD - SEWARD B-8
DH4681
DH4681 *CURRENT SURVEY CONTROL
DH4681 _____
DH4681* NAD 83(2011) POSITION- 60 29 11.66348(N) 149 42 58.25731(W) ADJUSTED
DH4681* NAD 83(2011) ELLIP HT- 153.502 (meters) (06/27/12) ADJUSTED
DH4681* NAD 83(2011) EPOCH - 2010.00
DH4681* NAVD 88 ORTHO HEIGHT - 142.3 (meters) 467. (feet) GPS OBS
DH4681 _____
DH4681 NAVD 88 orthometric height was determined with geoid model GEOID99
DH4681 GEOID HEIGHT - 13.033 (meters) GEOID99
DH4681 GEOID HEIGHT - 11.129 (meters) GEOID12B
DH4681 NAD 83(2011) X - -2,720,245.347 (meters) COMP
DH4681 NAD 83(2011) Y - -1,588,552.551 (meters) COMP
DH4681 NAD 83(2011) Z - 5,527,517.156 (meters) COMP
DH4681 LAPLACE CORR - -2.64 (seconds) DEFLEC12B
DH4681
DH4681 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
DH4681 Standards:
DH4681 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
DH4681 Horiz Ellip SD_N SD_E SD_h (unitless)
DH4681 ----------
DH4681 NETWORK 1.21 3.10 0.57 0.38 1.58 0.15719790
DH4681 ----------
DH4681 Click here for local accuracies and other accuracy information.
DH4681
DH4681
DH4681.The horizontal coordinates were established by GPS observations
DH4681.and adjusted by the National Geodetic Survey in June 2012.
DH4681
DH4681.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
DH4681.been affixed to the stable North American tectonic plate. See
DH4681.NA2011 for more information.
DH4681
DH4681.The horizontal coordinates are valid at the epoch date displayed above
DH4681.which is a decimal equivalence of Year/Month/Day.
DH4681
DH4681.The orthometric height was determined by GPS observations and a
DH4681.high-resolution geoid model.

DH4681
DH4681.Significant digits in the geoid height do not necessarily reflect accuracy.
DH4681.GEOID12B height accuracy estimate available here.
DH4681
DH4681.The X, Y, and Z were computed from the position and the ellipsoidal ht.
DH4681
DH4681.The Laplace correction was computed from DEFLEC12B derived deflections.
DH4681
DH4681.The ellipsoidal height was determined by GPS observations
DH4681.and is referenced to NAD 83.
DH4681
DH4681. The following values were computed from the NAD 83(2011) position.
DH4681
DH4681;   North   East   Units Scale Factor Converg.
DH4681;SPC AK 4   -   722,330.421   515,602.287   MT 0.99990298   +0 14 49.2
DH4681;UTM 06   - 6,708,681.111   350,756.625   MT 0.99987294   -2 21 51.0
DH4681
DH4681!   - Elev Factor x Scale Factor =   Combined Factor
DH4681!SPC AK 4   -   0.99997598 x   0.99990298 =   0.99987896
DH4681!UTM 06   -   0.99997598 x   0.99987294 =   0.99984892
DH4681
DH4681:   Primary Azimuth Mark   Grid Az
DH4681:SPC AK 4   - AKDOTPF GPS 52   235 05 30.6
DH4681:UTM 06   - AKDOTPF GPS 52   237 42 10.8
DH4681
DH4681_U.S. NATIONAL GRID SPATIAL ADDRESS: 6VUN5075608681(NAD 83)
DH4681
DH4681|---|
DH4681| PID   Reference Object   Distance   Geod. Az |
DH4681| dddmmss.s |
DH4681| DH4680 AKDOTPF GPS 52   APPROX. 0.9 KM 2352019.8 |
DH4681|---|
DH4681
DH4681   SUPERSEDED SURVEY CONTROL
DH4681
DH4681 NAD 83(2007)- 60 29 11.65587(N)   149 42 58.24798(W) AD(2007.00) 0
DH4681 ELLIP H (02/10/07) 153.450 (m)   GP(2007.00)
DH4681 NAD 83(1992)- 60 29 11.65678(N)   149 42 58.24913(W) AD(   ) 1
DH4681 ELLIP H (06/20/05) 153.454 (m)   GP(   ) 5 2
DH4681
DH4681.Superseded values are not recommended for survey control.
DH4681
DH4681.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
DH4681.See file dsdata.pdf to determine how the superseded data were derived.
DH4681
DH4681_MARKER: DO = NOT SPECIFIED OR SEE DESCRIPTION
DH4681_SETTING: 15 = METAL ROD DRIVEN INTO GROUND. SEE TEXT FOR ADDITIONAL
DH4681+WITH SETTING: INFORMATION.
DH4681_STAMPING: GPS NO. 51 1989
DH4681_MAGNETIC: O = OTHER; SEE DESCRIPTION

DH4681_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
DH4681_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DH4681+SATELLITE: SATELLITE OBSERVATIONS - 1989
DH4681
DH4681 HISTORY   - Date   Condition   Report By
DH4681 HISTORY   - UNK   MONUMENTED
DH4681 HISTORY   - 1989   GOOD   JOA
DH4681
DH4681   STATION DESCRIPTION
DH4681
DH4681'DESCRIBED BY JOHN OSWALD AND ASSOCIATES, LLC 1989
DH4681'THE STATION IS LOCATED 45 KM (27.95 MI) AIRLINE DISTANCE (72.5 KM
DH4681'(45.05 MI)HIGHWAY DISTANCE) NORTHWEST OF THE TOWN OF SEWARD, 80 KM
DH4681'(49.70 MI) EAST OF THE TOWN OF SOLDOTNA, AT THE NORTHEAST END OF THE
DH4681'COOPER LANDING AIRSTRIP. OWNERSHIP, AIRPORT PARCEL. TO REACH THE
DH4681'STATION FROM THE JUNCTION OF THE SEWARD HIGHWAY AND THE STERLING
DH4681'HIGHWAY, DRIVE SOUTHWEST ON THE STERLING HIGHWAY 12.9 KM (8.00 MI) TO
DH4681'A GRAVEL ROAD ON THE LEFT (EAST) AT OLD MILEPOST 45.0, DRIVE EAST ON
DH4681'THE GRAVEL ROAD 0.5 KM (0.30 MI) TO A GRAVEL ROAD ON THE LEFT
DH4681'(NORTH), FOLLOW THE GRAVEL ROAD NORTH 200 M (656.2 FT) TO THE COOPER
DH4681'LANDING AIRSTRIP. THE STATION IS AT THE NORTHEAST END OF RUNWAY. THE
DH4681'STATION IS A CENTERPUNCH MARK IN THE TOP OF A ROUNDED 9/16 INCH
DH4681'DIAMETER STAINLESS STEEL ROD, DRIVEN TO A DEPTH OF 4.88 M (16.0 FT),
DH4681'FLUSH WITH THE GROUND. A SPECIAL 2-1/2 INCH DIAMETER BRASS AKDOTPF
DH4681'SURVEY DISK STAMPED ---GPS NO. 51 1989--- IS PRESSED ONTO THE ROD. THE
DH4681'DISK AND ROD IS ENCASED IN A 10 CM DIAMETER PVC PIPE PROJECTING 8 CM
DH4681'ABOVE GROUND. IT IS 0.61 M (2.0 FT) SOUTHWEST OF AN ORANGE FIBERGLASS
DH4681'WITNESS POST. NO OTHER SUITABLE REFERENCE OBJECTS WERE AVAILABLE.
DH4681'NOTE, NO REFERENCE MARKS WERE SET AT THIS TIME. NOTE, STATION IS
DH4681'INTERVISIBLE WITH AKDOTPF GPS 52.

*** retrieval complete.
Elapsed Time = 00:00:05