

FORMAT OF THE HYPOINVERSE-2000 STATION FILE

This is the format of the station file read by the Hypoinverse2000 location program. Although not part of the shadow format or catalog phase data, this file is often read by users of the catalog. NCSN uses a computer program called STADCK to read calsta2000.loc and write a Hypoinverse2000 station file for a specified time period. This format list is from the Hypoinverse2000 manual. Most of the delay, calibration or magnitude correction fields will be undefined in most versions of this file, and the values will be defined later in the catalog processing.

Start Col.	Len.	Fortran Format	Data
1	5	A5,1X	Station site code. The first character may not be the \$ character.
7	2	A2,1X	Seismic network code.
10	1	A1	Optional 1-letter station component code.
11	3	A3,1X	3-letter component or channel code.
15	1	A1	Station weight code (in units of 0.1) by which the weights assigned each P & S phase are to be multiplied. Use the digits 0-9 for the weight in tenths; "*" or "0" for no weight; or any other character (including blank) for full weight.
16	2	I2, 1X	Latitude, degrees.
19	7	F7.4	Latitude, minutes.
26	1	A1	N or blank for north latitude, S for south.
27	3	I3, 1X	Longitude, degrees.
31	7	F7.4	Longitude, minutes.
38	1	A1	W or blank for west longitude, E for east.
39	4	4X	Reserved for elevation in m. Not used by HYPOINVERSE.
43	3	F3.1,2X	Default period (in sec) at which the maximum amplitude will be read for this station. Must be greater than 0.1.
48	1	A1	Put a "2" or "A" here to designate this as an alternate crust model station. Both alternate and primary crustal models must be in use. Stations may also be tagged for use with an alternate model in the delay file.
49	1	A1	Optional station remark field to copy to print output.
50	5	F5.2, 1X	P delay (sec) for delay set 1.
56	5	F5.2, 1X	P delay (sec) for delay set 2.
62	5	F5.2	Amplitude magnitude correction. If in the range +/-2.4, the correction is included (by addition) in the amplitude magnitude. If you don't want a station's magnitude used in the event magnitude, use a correction of 5.0 plus the actual correction. You can also assign a zero weight (see next).
67	1	A1	Amplitude magnitude weight code. Codes 0-9, "*" and blank are used the same as the P & S weight codes (col 15). The actual magnitude weight used is the product of those on the station and phase cards. See also col 62.
68	5	F5.2	Duration magnitude correction (works the same as the amplitude magnitude correction).
73	1	A1	Duration magnitude weight code (works the same as the amplitude weight code).
74	1	I1	Instrument type code.
75	6	F6.2	Calibration factor.
81-82	2	A2	2-letter location code (component extension)