

# BED\_MA\_Concord\_FEMA\_Base Station Monument

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

DATABASE = ,PROGRAM = datasheet, VERSION = 7.85  
1 National Geodetic Survey, Retrieval Date = OCTOBER 29, 2010  
AI5558 \*\*\*\*\*  
AI5558 PACS - This is a Primary Airport Control Station.  
AI5558 DESIGNATION - BED A  
AI5558 PID - AI5558  
AI5558 STATE/COUNTY- MA/MIDDLESEX  
AI5558 USGS QUAD -  
AI5558  
AI5558 \*CURRENT SURVEY CONTROL  
AI5558  
AI5558\* NAD 83(2007)- 42 28 07.77843(N) 071 16 59.30167(W) ADJUSTED  
AI5558\* NAVD 88 - 42.05 (meters) 138.0 (feet) GPS OBS  
AI5558  
AI5558 EPOCH DATE - 2002.00  
AI5558 X - 1,512,043.591 (meters) COMP  
AI5558 Y - -4,462,815.458 (meters) COMP  
AI5558 Z - 4,284,170.733 (meters) COMP  
AI5558 LAPLACE CORR- 4.06 (seconds) DEFLEC09  
AI5558 ELLIP HEIGHT- 14.280 (meters) (02/10/07) ADJUSTED  
AI5558 GEOID HEIGHT- -27.77 (meters) GEOID09  
AI5558  
AI5558 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----  
AI5558 Type PID Designation North East Ellip  
AI5558 -----  
AI5558 NETWORK AI5558 BED A 1.00 0.86 2.27  
AI5558 -----  
AI5558  
AI5558.This mark is at Laurence G Hanscom Fld Airport (BED)  
AI5558  
AI5558.The horizontal coordinates were established by GPS observations  
AI5558.and adjusted by the National Geodetic Survey in February 2007.  
AI5558  
AI5558.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).  
AI5558.See [National Readjustment](#) for more information.  
AI5558.The horizontal coordinates are valid at the epoch date displayed above.  
AI5558.The epoch date for horizontal control is a decimal equivalence  
AI5558.of Year/Month/Day.  
AI5558  
AI5558.The orthometric height was determined by GPS observations and a  
AI5558.high-resolution geoid model.  
AI5558  
AI5558.GPS derived orthometric heights for airport stations designated as  
AI5558.PACS or SACS are published to 2 decimal places. This maintains  
AI5558.centimeter relative accuracy between the PACS and SACS. It does  
AI5558.not indicate centimeter accuracy relative to other marks which are  
AI5558.part of the NAVD 88 network.  
AI5558  
AI5558.[Photographs](#) are available for this station.

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AI5558
AI5558.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AI5558
AI5558.The Laplace correction was computed from DEFLEC09 derived deflections.
AI5558
AI5558.The ellipsoidal height was determined by GPS observations
AI5558.and is referenced to NAD 83.
AI5558
AI5558.The geoid height was determined by GEOID09.
AI5558
AI5558;
North East Units Scale Factor Converg.
AI5558;SPC MA M - 913,166.589 217,834.126 MT 0.99997548 +0 08 44.4
AI5558;SPC MA M - 2,995,947.38 714,677.46 sFT 0.99997548 +0 08 44.4
AI5558;UTM 19 - 4,704,357.395 312,305.643 MT 1.00003346 -1 32 31.2
AI5558
AI5558! - Elev Factor x Scale Factor = Combined Factor
AI5558!SPC MA M - 0.99999776 x 0.99997548 = 0.99997324
AI5558!UTM 19 - 0.99999776 x 1.00003346 = 1.00003122
AI5558
AI5558: Primary Azimuth Mark Grid Az
AI5558:SPC MA M - BED B 098 36 23.5
AI5558:UTM 19 - BED B 100 17 39.1
AI5558
AI5558|-----|
AI5558| PID Reference Object Distance Geod. Az |
AI5558| | | | dddmmss.s |
AI5558| AI5559 BED B 458.707 METERS 0984507.9 |
AI5558| MY0669 BED ARP APPROX. 0.5 KM 2854318.4 |
AI5558|-----|
AI5558
AI5558 SUPERSEDED SURVEY CONTROL
AI5558
AI5558 ELLIP H (06/04/02) 14.273 (m) GP( ) 4 1
AI5558 NAD 83(1996)- 42 28 07.77845(N) 071 16 59.30211(W) AD( ) B
AI5558 ELLIP H (05/22/00) 14.281 (m) GP( ) 4 1
AI5558
AI5558.Superseded values are not recommended for survey control.
AI5558.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AI5558.See file dsdata.txt to determine how the superseded data were derived.
AI5558
AI5558_U.S. NATIONAL GRID SPATIAL ADDRESS: 19TCH1230504357(NAD 83)
AI5558_MARKER: DD = SURVEY DISK
AI5558_SETTING: 66 = SET IN ROCK OUTCROP
AI5558_STAMPING: BED A 1999
AI5558_MARK LOGO: NOS
AI5558_MAGNETIC: N = NO MAGNETIC MATERIAL
AI5558_STABILITY: A = MOST RELIABLE AND EXPECTED TO HOLD
AI5558+STABILITY: POSITION/ELEVATION WELL
AI5558_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AI5558+SATELLITE: SATELLITE OBSERVATIONS - May 20, 2002
AI5558
AI5558 HISTORY - Date Condition Report By
AI5558 HISTORY - 1999 MONUMENTED WOOLPT
AI5558 HISTORY - 20020520 GOOD INDIV
AI5558
AI5558 STATION DESCRIPTION
AI5558
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AI5558'DESCRIBED BY WOOLPERT CONSULTANTS 1999 (ARL)  
AI5558'THE STATION IS LOCATED ABOUT 4.95 MI (7.97 KM) EAST OF CONCORD, 3.00  
AI5558'MI (4.83 KM) WEST-NORTHWEST OF LEXINGTON, AT THE L.G. HANSCOM FIELD  
AI5558'AIRPORT, IN THE HIGHEST POINT OF HILL IN THE WEST ANGLE FORMED BY THE  
AI5558'INTERSECTION OF RUNWAYS. OWNERSHIP--MASSACHUSETTS PORT AUTHORITY, C/O  
AI5558'AIRPORT MANAGER BARBARA PATZNER, CIVIL AIR TERMINAL, HANSCOM FIELD,  
AI5558'BEDFORD MA 01730. PHONE (617) 274-7200. CONTACT THE AIRPORT MAMAGER  
AI5558'AT LEAST 24 HOURS PRIOR TO ACCESS TO ARRANGE FOR AN ESCORT.  
AI5558'TO REACH THE STATION FROM THE JUNCTION OF INTERSTATE HIGHWAY 95 AND  
AI5558'STATE HIGHWAY 2A, EXIT 45, GO WEST FOR 1.60 MI (2.57 KM) ON HIGHWAY 2A  
AI5558'TO A PAVED ROAD ON THE RIGHT. TURN RIGHT AND GO NORTH FOR 0.50 MI  
AI5558'(0.80 KM) ON THE PAVED ROAD TO A FORK. BEAR LEFT AND GO NORTH FOR  
AI5558'0.55 MI (0.89 KM) ON THE PAVED ROAD, FOLLOWING SIGNS TO THE CIVIL AIR  
AI5558'TERMINAL, AND A GATE AT THE NORTHWEST CORNER OF THE AIRPORT TERMINAL  
AI5558'BUILDING. PASS THROUGH THE GATE AND PROCEED NORTH 0.10 MI (0.16 KM)  
AI5558'ACROSS THE WEST RAMP TO TWY SIERRA. GO NORTHEAST 0.5 MI (0.8 KM)  
AI5558'ALONG TWY SIERRA TO TWY ECHO. HEAD EAST 0.3 MI (0.5 KM) ALONG TWY  
AI5558'ECHO, PAST TWY GULF TO STATION ON THE LEFT, SET ON THE EAST SIDE OF  
AI5558'THE HILL NEAR THE CROWN.  
AI5558'THE STATION IS LOCATED ONLINE WITH THE THIRD SET OF TWY LIGHTS WEST OF  
AI5558'A TWY LEADING TO THE EAST RAMP, 121.20 M (397.64 FT) SOUTH SOUTHWEST  
AI5558'OF THE EDGE OF PAVEMENT OF RWY 11-29, ROCK OUTCROP, 73.34 M (240.62  
AI5558'FT) NORTH NORTHEAST OF THE EDGE OF PAVEMENT OF TWY ECHO, 48.23 M  
AI5558'(158.23 FT) SOUTHWEST OF A SAFETY BOUNDARY MARKER FOR RWY 11-29, AND  
AI5558'7.50 M (24.61 FT) EAST OF THE TOP OF SLOPE THE STATION IS A STANDARD  
AI5558'NOS DISK STAMPED-- BED A 1999-- SET IN A EXPOSED PORTION OF THE ROCK  
AI5558'LEDGE, AND IS SUBSET 3 CM INTO THE ROCK. THIS STATION IS DESIGNATED  
AI5558'AS THE PRIMARY AIRPORT CONTROL STATION.  
AI5558  
AI5558 STATION RECOVERY (2002)  
AI5558  
AI5558'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2002 (KL)  
AI5558'FOUND IN GOOD CONDITION BY MASSPORT - HANSCOM FIELD AIRPORT OPERATIONS  
AI5558'  
AI5558'(KL) CONTACT NUMBER FOR ACCESS TO SURVEY MARK HAS CHANGED. NEW  
AI5558'NUMBER IS 781-869-8000 BARBARA PATZNER, AIRPORT MANAGER  
AI5558'

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