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| WS Form 10-13-4 | | U.S. Department of Commerce | | | | Station Name: |  | | |
| (10-20) | | National Oceanic and Atmospheric Administration | | | | Station Location: | Latitude - |  | |
| Ref: 10-1301 | | National Weather Service | | | | Longitude - |  | |
|  | | | | | | Station  Elevation: | PDB  Elevation: | Field Elevation  (If applicable): | |
|  | | | | | |
| Precision Digital Barometer (PDB) Comparison/Verification Form | | | | | |  |  |  | |
| (See detailed instructions for preparation of the form on Page 2) | | | | | |
|  | | | | | |  |  |  | |
| Year/Quarter  (1) | Traveling Standard  Serial Number  (2) | | PDB Serial  Number  (3) | Readings from  Traveling Standard  (4) | | Readings from  PDB  (5) | | Differences from Traveling  Standard  (6) | |
| *1st reading*  *(4a)* | *2nd reading*  *(4b)* | *1st reading*  *(5a)* | *2nd reading*  *(5b)* | *1st reading*  *(6a)* | *2nd reading*  *(6b)* |
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| WS Form 10-13-4 | | | | | | | | | |
| (10-20) | | | | | | | | | |
| Ref: 10-1301 | | | | | | | | | |

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| **Guide for Preparing the Form** |
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| Headings: Enter Station Name in plain language, e.g., WFO Green Bay, Wisconsin  Enter the Location as Latitude/Longitude e.g., 44.29 North/88.08 West |
|  |
| Col. 1 – Enter the year and quarter the comparison is made. The required verifications/comparisons should be made during the first month of each alternating quarter. The format for Year/Quarter should be consistent, e.g. 99/1st. |
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| Col. 2 – Enter the serial number of the Traveling Standard used to compare the PDB. |
|  |
| Col. 3 – Enter the serial number of the PDB being compared. |
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| Col. 4a – Enter the first sensor reading from the Traveling Standard to the nearest 0.001 inch of mercury (Hg), e.g., 30.014. |
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| Col. 4b – Enter the second sensor pressure reading (taken at least 15-minutes away from the 1st reading from the Traveling Standard. |
|  |
| Col. 5a – Enter the first sensor pressure reading (taken at the same time as reading in 4a) from the PDB to the nearest 0.001 inch of Hg. |
|  |
| Col. 5b – Enter the second sensor pressure reading (taken at the same time as reading in 4b) from the PDB to the nearest 0.001 inch of Hg. |
|  |
| Col. 6a – Enter the difference between 4a and 5a to the nearest 0.001 inch of Hg. |
|  |
| Col. 6b – Enter the difference between 4b and 5b to the nearest 0.01 inch of Hg. |
|  |
| For upper-air locations: Notify the Regional Surface Observing Manager and the Pressure Standards Lab if either 6a or 6b exceeds 0.007 inches of Hg. |
|  |
| For non-upper-air location: Notify the Regional Surface Observing Manager and the Pressure Standards Lab if either 6a or 6b exceeds 0.02 inches of Hg. |
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