**CMDPS CA Validation Report**

INPUT DATA : COMS - Ground, COMS - GTS  
 Reporting Period : 2016. 01(20160101 ~ 20160131)  
 Collocation Data(Input Data)  
 - Area : cf(Full Disk; ground), cn(ENH; gts)  
 Filters : Difference(COMS - GTS(Ground)) <= 20%  
 Classification  
 - Latitude : Middle Latitude(-60 <= Lat <= -30 , +30 <= Lat <= +60)  
 Low Latitude(-30 < Lat < +30 )  
 Reference  
 - Time Matching : Ground(GTS) Time-Based COMS Time -30 ~ +30 minute  
 - Area Matching : Ground(GTS) Point-Based COMS Pixel Mean in -0.1 ~ +0.1 latitude  
  
  
 Ground\_ALL Ground\_Low Ground\_Mid GTS\_ALL GTS\_Low GTS\_Mid  
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 Total Number 41768 0 41768 18690 18620 70  
 Using Number 41768 0 41768 18690 18620 70  
 Bias 1.448 NaN 1.448 0.258 0.258 0.129  
 RMSE 3.133 NaN 3.133 0.844 0.844 0.644  
 R 0.744 0.000 0.744 0.949 0.948 0.983  
  
  
 Statistics Method  
 - Total Number : Collocation total Number  
 - Using Number : Using Total Number of Producting statistical Value  
 - Bias : Bias  
 - RMSE : Root Mean Square Error  
 - R : Correlation Coefficient