



Supplement of

A bias correction scheme for FY-3E/HIRAS-II observation data assimilation

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Table S1 The wavenumber of HIRAS-II assimilated channels

wavenumber (cm ⁻¹)
684.375
685
685.625
686.25
686.875
687.5
688.125
688.75
689.375
690
690.625
691.25
691.875
692.5
693.125
693.75
694.375
695
695.625
696.25
696.875
697.5
698.125
698.75
699.375
700
700.625
701.25
701.875
702.5
703.125
703.75
704.375
705
705.625
706.25
706.875
707.5
708.125
708.75
709.375
710
710.625
711.25
711.875
712.5
713.125
713.75
714.375
715
715.625
716.25
716.875
717.5
718.125
718.75
719.375
720
720.625
721.25
721.875
722.5
723.125
723.75
725
725.625
726.25
726.875
727.5
728.125
728.75
729.375
730
730.625
731.25
731.875
732.5
733.125
733.75
734.375
735
735.625
736.25
736.875
737.5
738.125
738.75
739.375
740
740.625
741.25
741.875
742.5
743.125
743.75
745
745.625
746.25
748.125
785.625
799.375
800
928.125
928.75
931.25
931.875
932.5
933.125
933.75
934.375
935
935.625
936.25
936.875
937.5
938.125
938.75
939.375
940
940.625
941.25
943.125
943.75
944.375
945
946.875
947.5
948.125
951.25
951.875
952.5
953.125
953.75
957.5
958.125
958.75
959.375
960
961.25
961.875
962.5
963.125
963.75
964.375
965.625
966.25
966.875
968.75
969.375
970
970.625
971.25
973.75
981.25
1078.75
1079.375
1080
1080.625
1083.75
1084.375
1085
1085.625
1090
1090.625
1093.75
1094.375
1095
1095.625
1096.25
1096.875
1097.5
1098.125
1098.75
1099.375
1104.375
1105
1105.625
1106.25
1110
1110.625
1111.25
1114.375
1115
1115.625
1116.25
1116.875
1117.5
1124.375
1126.25
1127.5
1128.125
1128.75
1129.375
1130
1130.625
753.125
753.75
754.375
755.625
756.875
760
1026.25
1028.125
1036.25
1037.5
1039.375
1041.875
1048.75
1049.375
1050.625
1051.25
1051.875
1053.125
1054.375
1055
1056.875
1057.5
1058.125
1059.375
1060
1061.25
1212.5
1213.125
1213.75
1226.25
1226.875
1231.875
1232.5
1233.125
1235
1235.625
1236.25
1245.625
1260
1285.625
1287.5
1288.125
1310
1310.625
1311.25
1313.75
1315
1315.625
1316.25
1316.875
1317.5
1318.75
1319.375
1320
1321.875
1322.5
1323.75
1324.375
1325
1325.625
1326.25
1326.875
1327.5
1329.375
1330
1330.625
1331.25
1331.875
1332.5
1335
1335.625
1336.25
1336.875
1337.5
1345
1345.625
1346.25
1346.875
1350
1350.625
1351.25
1351.875
1353.125
1353.75
1354.375
1355
1355.625
1358.125
1358.75
1359.375
1360
1360.625
1361.25
1363.125
1365.625
1366.25
1366.875
1367.5
1368.125
1368.75
1369.375
1370.625
1371.25
1371.875
1372.5
1373.125
1373.75
1377.5
1378.125
1378.75
1379.375
1380
1380.625
1381.25
1381.875
1382.5
1383.125
1383.75
1384.375
1385
1385.625
1386.25
1386.875
1387.5
1390
1390.625
1391.25
1391.875
1392.5
1393.125
1393.75
1394.375
1398.125
1398.75
1401.875
1402.5
1403.125
1403.75
1404.375
1405
1407.5
1408.125
1408.75
1409.375
1410
1410.625
1411.25
1411.875
1412.5
1413.125
1413.75
1414.375
1415
1415.625
1416.25
1416.875
1417.5
1422.5
1423.125
1423.75
1426.25
1426.875
1427.5
1428.125
1428.75
1429.375
1430
1432.5
1433.125
1433.75
1434.375
1435
1435.625
1440
1440.625
1441.25
1441.875
1442.5
1443.125
1443.75
1444.375
1445
1445.625
1446.25
1446.875
1447.5
1450.625
1451.25
1451.875
1452.5
1454.375
1462.5
1463.125
1463.75
1469.375
1470
1470.625
1479.375
1480
1480.625
1481.25
1483.75
1484.375
1485
1485.625
1486.25
1585
1585.625
1586.25
1586.875
1587.5
1588.125
1588.75
1589.375
1590
1593.75
1598.75
1599.375
1600
1600.625
1601.25
1606.25
1725.625
1726.25
1726.875
1728.125
1728.75
1729.375
1730
1301.25
1302.5
1321.25
1342.5
1356.25
1362.5
1363.75
1375
1376.25
1388.75
1395
1396.25
1400
1401.25
1418.75
1431.25
1473.75
1477.5
1500
1557.5
1731.25
1733.75
1735
1737.5
1746.25
2156.25
2158.75
2161.25
2163.75
2166.25
2168.75
2171.25
2173.75
2176.25
2178.75
2181.25
2183.75
2186.25
2188.75
2191.25
2193.75
2196.25
2198.75
2201.25
2203.75
2206.25
2208.75
2211.25
2213.75
2216.25
2218.75
2221.25
2223.75

2226.25 2231.25 2233.75 2236.25 2238.75 2241.25 2256.25
