Filing DQRs For Calibration Visits

I. Purpose:

The purpose of this procedure is to provide filing instructions for DQRs Calibration Visits.

II. Cautions and Hazards:

- None.

III. Requirements:

- None.

IV. Procedure:

A. Steps:

1. Go to website http://www.db.arm.gov/PIFCARDQR2/.
2. Click on file a report for data quality.
3. Log in (need to be in the ARM name database)
4. At this point, you can modify or delete a submitted DQR or file a new one.
5. To file a new DQR, specify beginning and ending dates and times for the problem period (be careful to follow the format on the form). For Calibration RESETS these are as follows:
    a. GNDRAD: the times over which the GNDRAD PIR and PSP were inverted (data marked as bad - red)
    b. SKYRAD: the times over which Site Visit (SV) was working on radiometer comparisons (data marked as suspect (yellow)
    c. SMET: the times during which the tower was lowered (data marked as bad – red)
6. Select TWP for the site.
7. Select one of the three instrument systems above and the TWP Site for the cal visit.
8. Click "Continue"
9. Type in a subject such as "GNDRAD inverted for radiometer comparison"
10. Select the production data streams that apply (often one or two of the data streams have been discontinued and the form will tell you that there are no data for that stream for which the DQR date and time ranges apply)
11. Select either incorrect (red) or suspect (yellow) and describe the problem Example: The radiometers were inverted during this period, the tower was

lowered for calibration, or Site Visit (SV) activities during this period may have lead to brief periods of bad data due to disconnection or inadvertent shading of the instruments.

12. Suggestions to data users would be to disregard GNDRAD radiometer and SMET data, and use caution in interpreting SKYRAD data.
13. Click on "select a subset of the measurements" and "continue"
14. Select the following for each system:

<u>GNDRAD</u>

Data streams:

twpgndradC1.00
Raw data stream - documentation not supported
twpgndrad20sC1.a1
inst_up_long_case_resist
inst_up_long_dome_resist
inst_up_long_hemisp_tp
pir1_case_therm
pir1_dome_therm
twpgndrad60sC1.b1
pir1_max
pir1_mean
pir1_min
pir1_sd
psp1_max
psp1_mean
psp1_min
psp1_sd
up_long_hemisp
up_long_hemisp_max
up_long_hemisp_min
up_long_hemisp_std
up_short_hemisp
up_short_hemisp_max
up_short_hemisp_min
up_short_hemisp_std

<u>SKYRAD</u>

Data streams:

twpskyradC1.00
Raw data stream - documentation not supported
twpskyrad20sC1.a1

inst_down_long_hemisp_shaded_tp
pir1_case_therm
pir1_dome_therm
pir1_uncorr_irradiance
pir2_case_therm
pir2_dome_therm
pir2_uncorr_irradiance
uvb_temp
uvb_uncorr_irradiance

twpskyrad60sC1.b1

down_long_hemisp_shaded
down_long_hemisp_shaded1
down_long_hemisp_shaded1_max
down_long_hemisp_shaded1_min
down_long_hemisp_shaded1_std
down_long_hemisp_shaded2
down_long_hemisp_shaded2_max
down_long_hemisp_shaded2_min
down_long_hemisp_shaded2_std
down_long_hemisp_shaded_max
down_long_hemisp_shaded_min
down_long_hemisp_shaded_std
down_long_hemisp_unshaded
down_long_hemisp_unshaded_max
down_long_hemisp_unshaded_min
down_long_hemisp_unshaded_std
down_short_diffuse_hemisp
down_short_diffuse_hemisp_max
down_short_diffuse_hemisp_min
down_short_diffuse_hemisp_std
down_short_hemisp
down_short_hemisp_max
down_short_hemisp_min
down_short_hemisp_std
down_uvb
down_uvb_max
down_uvb_min
down_uvb_std
irt1_max
irt1_mean
irt1_min
irt1_sd
nip_max
nip_mean
nip_min

nip_sd
pir1_max
pir1_mean
pir1_min
pir1_sd
pirs_max
pirs_mean
pirs_min
pirs_sd
psp1_max
psp1_mean
psp1_min
psp1_sd
psps_mean
psps_min
psps_sd
short_direct_normal
short_direct_normal_max
short_direct_normal_min
short_direct_normal_std
sky_ir_temp
sky_ir_temp_max
sky_ir_temp_min
sky_ir_temp_std
uvb_max
uvb_mean
uvb_min
uvb_sd

SMET

Data streams:

twpsmetC1.00
Raw data stream - documentation not supported
twpsmet60sC1.b1
precip_max
precip_mean
precip_min
precip_sd
relh_max
relh_mean
relh_min
relh_sd
temp_max

temp_mean
temp_min
temp_sd
vappress_mean
vappress_sd
wind1_dir_sd
wind1_dir_vec_avg
wind1_spd_arith_avg
wind1_spd_max
wind1_spd_max_gust
wind1_spd_min
wind1_spd_sd
wind1_spd_vec_avg
wind2_dir_sd
wind2_dir_vec_avg
wind2_spd_arith_avg
wind2_spd_max
wind2_spd_max_gust
wind2_spd_min
wind2_spd_sd
wind2_spd_vec_avg

15. Submit DQR

B. References:
None.

C. Attachments:
None.