

## Conclusions

· Q2-based reference estimates are not an absolute reference but we have tools to refine and maximize the reference quality while maintaining a large sample • the error model (of systematic and random parts) is empirical and depends on climatological context and reference

We noted:

- increased consistency between PR estimates and Q2 reference with each data quality step (robustness assessment, bias correction, RQI filter)
- detection issue of PR with light rain rates due to lack of sensitivity
- underestimation with PR at high rainrates due to...factors still being explored

## feedback on the following topics!!

- PR version 6 and version 7 evaluation: first results.
- error factors to be taken into account: PIA, NUBF · GPROF-TMI evaluation: first results

## References

P.-E. Kirstetter, Y. Hong, J.J. Gourley, et al.: "Toward a Framework for Systematic Error Modeling of NASA Spaceborne Radar with NOAA/ NSSL Ground Radar-based National Mosaic QPE", JHM submitted P.-E. Kirstetter, N. Viltard et M. Gosset: "Toward an Error Model for BRAIN Precipitation Estimation in West Africa", QJRMS accepted