

Processing Record for this file:
(Make notes here unique for this file)

Loading from 2014-05-01 - 2014-06-01

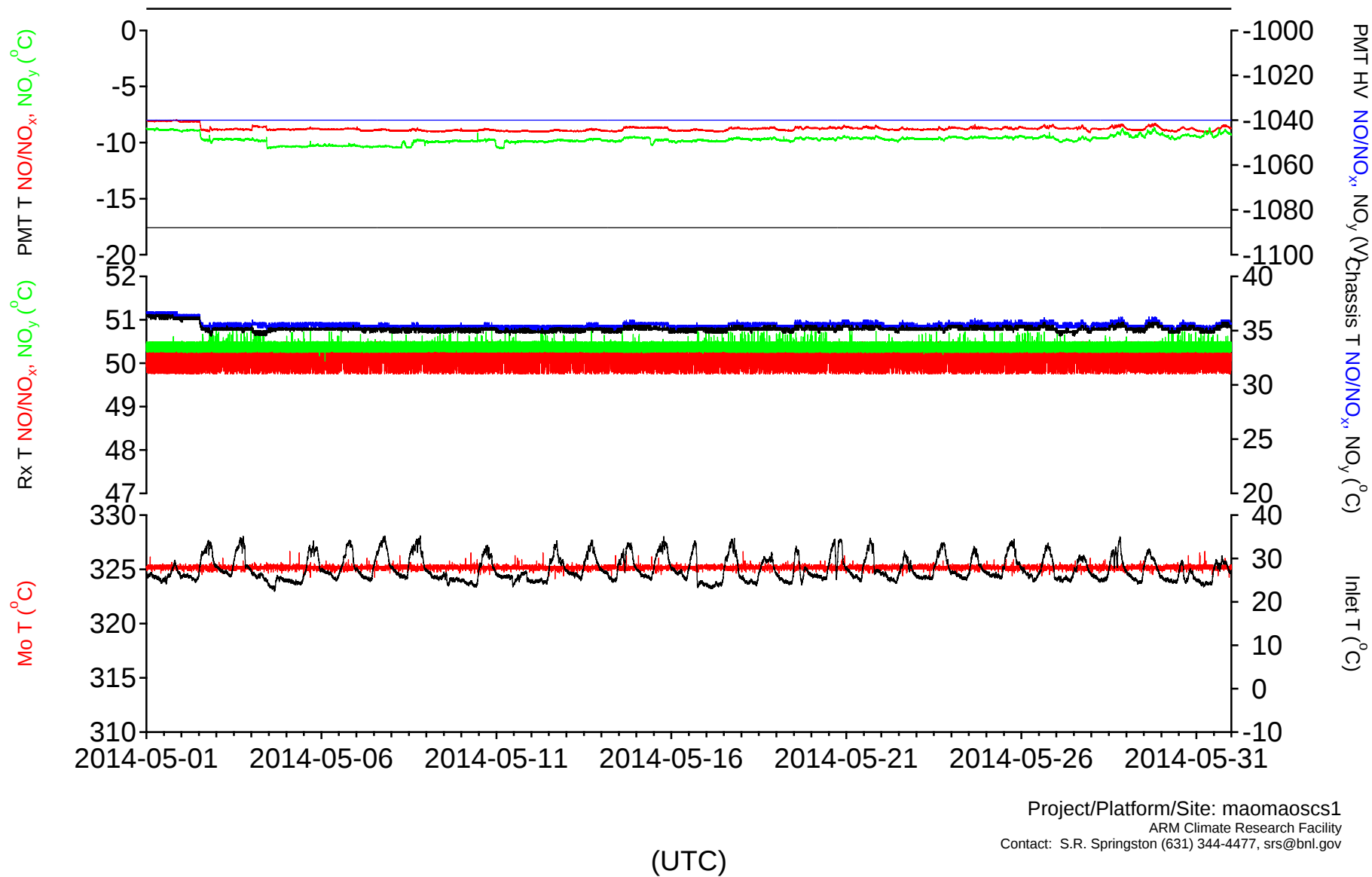
Data taken from DMF, untarred, unzipped and renamed back to original file names

It was noted that BOTH TEI 42i's lost their internal Mass Flow Meters. This was not consequential as the inlet has much better Mass Flow Controllers.

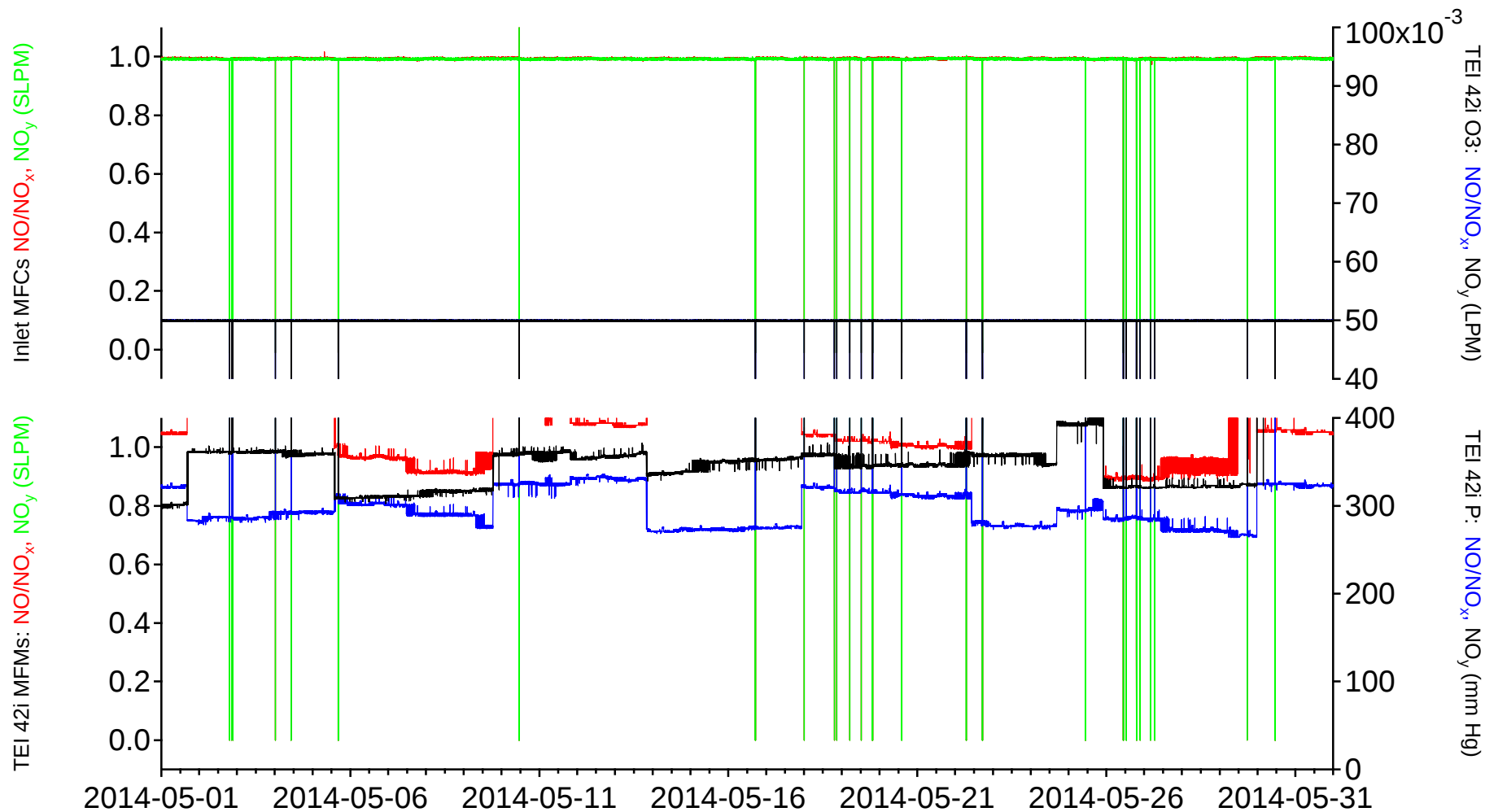
The NO_x photolysis cell continues to be nonfunctional. Standard additions and GPTs began working 2014-05-09 06:38 (cylinder replaced?).

Ambient NO and NO_y data appear reasonable.

Ground-Based NO_x Analyzer
Housekeeping 2
Temperatures



Ground-Based NO_x Analyzer
Housekeeping 1
Flows & Pressures

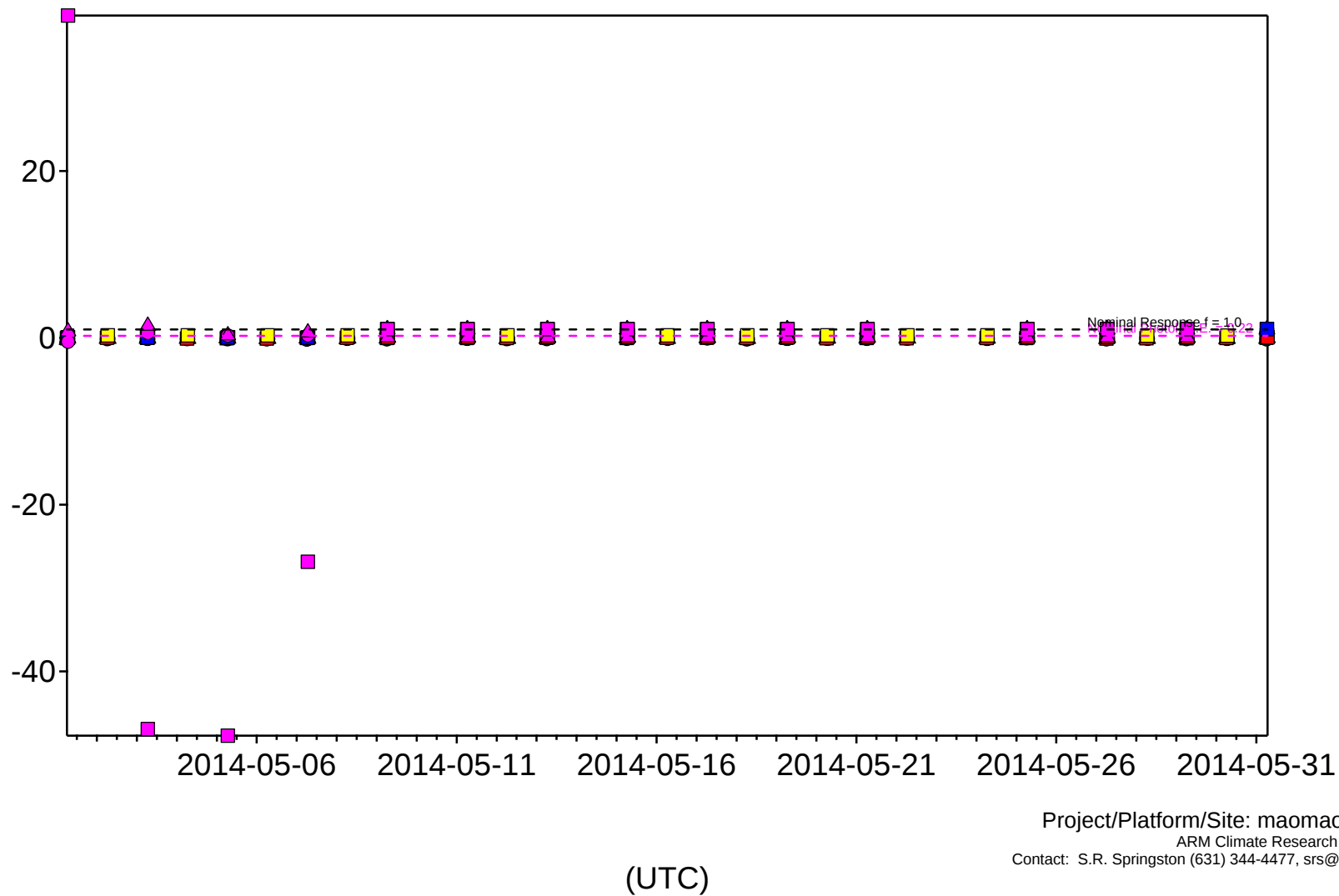


Project/Platform/Site: maomaoscs1
ARM Climate Research Facility
Contact: S.R. Springston (631) 344-4477, srs@bnl.gov

(UTC)

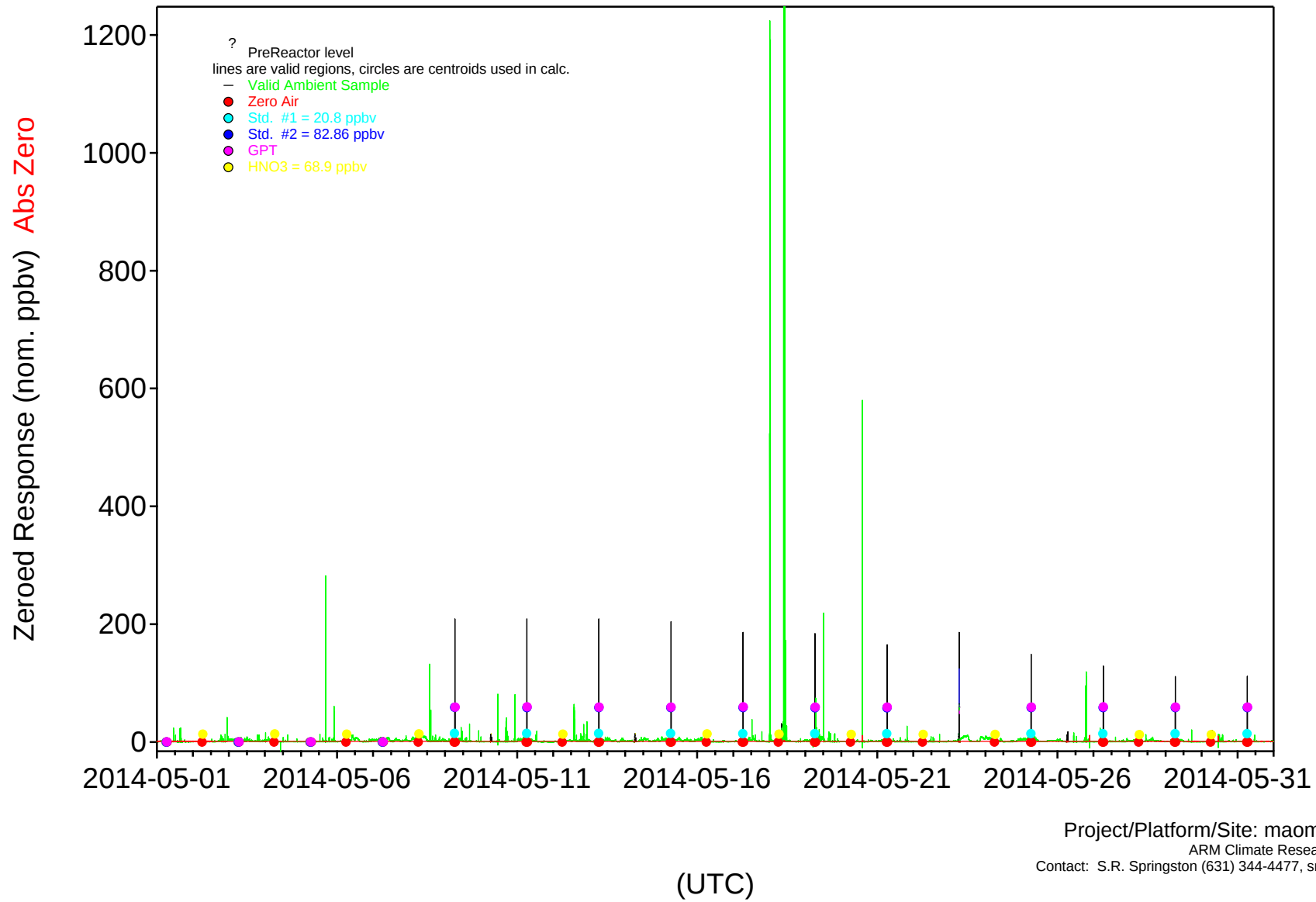
Ground NO_x Analyzer Calibration Data

○ - NO Channel ; △ - NO_x Channel; □ - NO_y Channel
Zero Air Equivalent Signal (ppbv)
S.A. #1 (calibrated sig/dilution conc: [SA#1] = 20.8 ppbv)
S.A. #2 (calibrated sig/dilution conc: [SA#2] = 82.86 ppbv)
GPT + SA #2 (NO: frac titr., NO_x: Photol. C.E. (nom=0.22), NO_y: Mo C.E. (nom=1.03))
HNO₃ cal. (calibrated sig/perm conc: [HNO₃] = 68.9 ppbv)

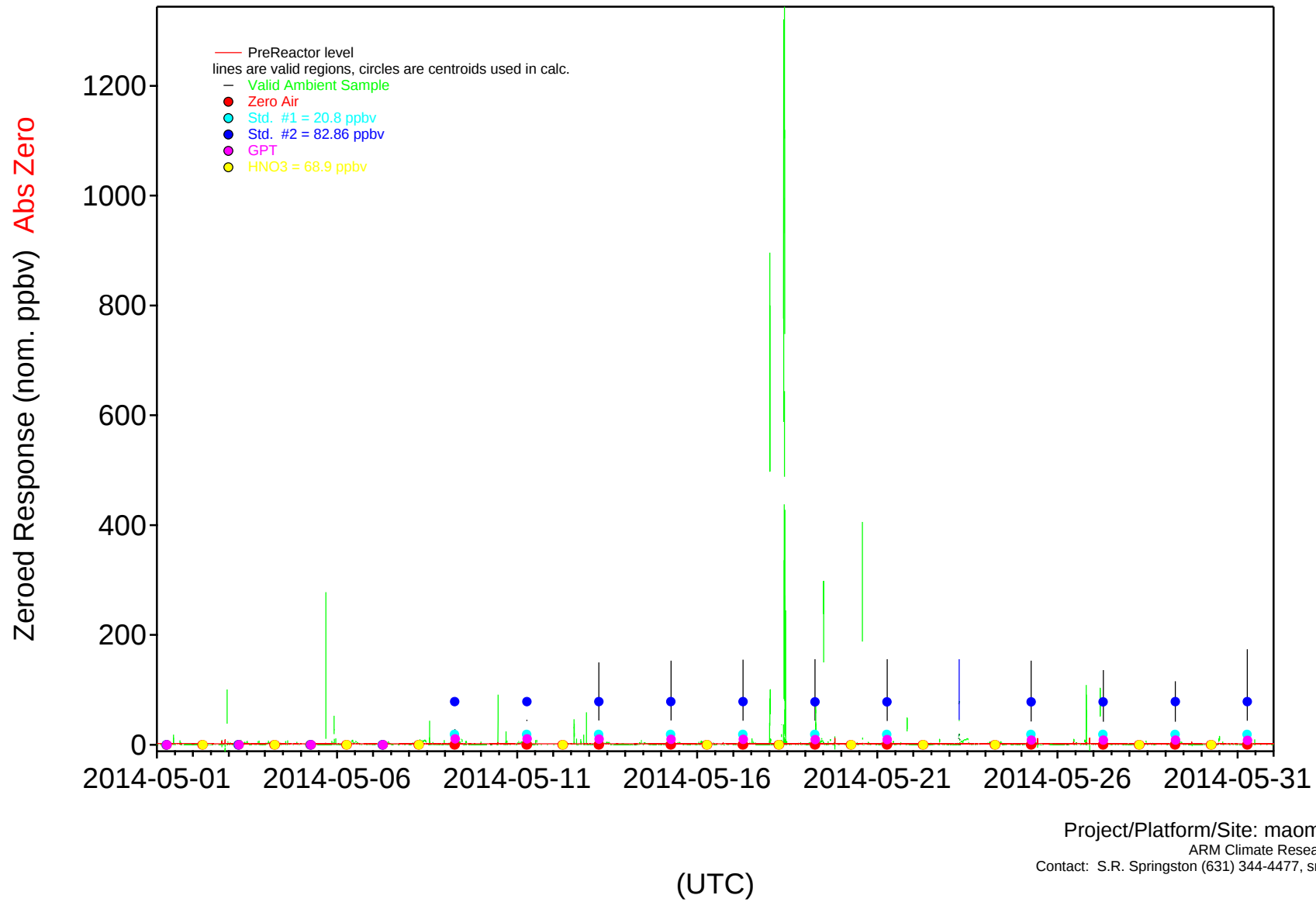


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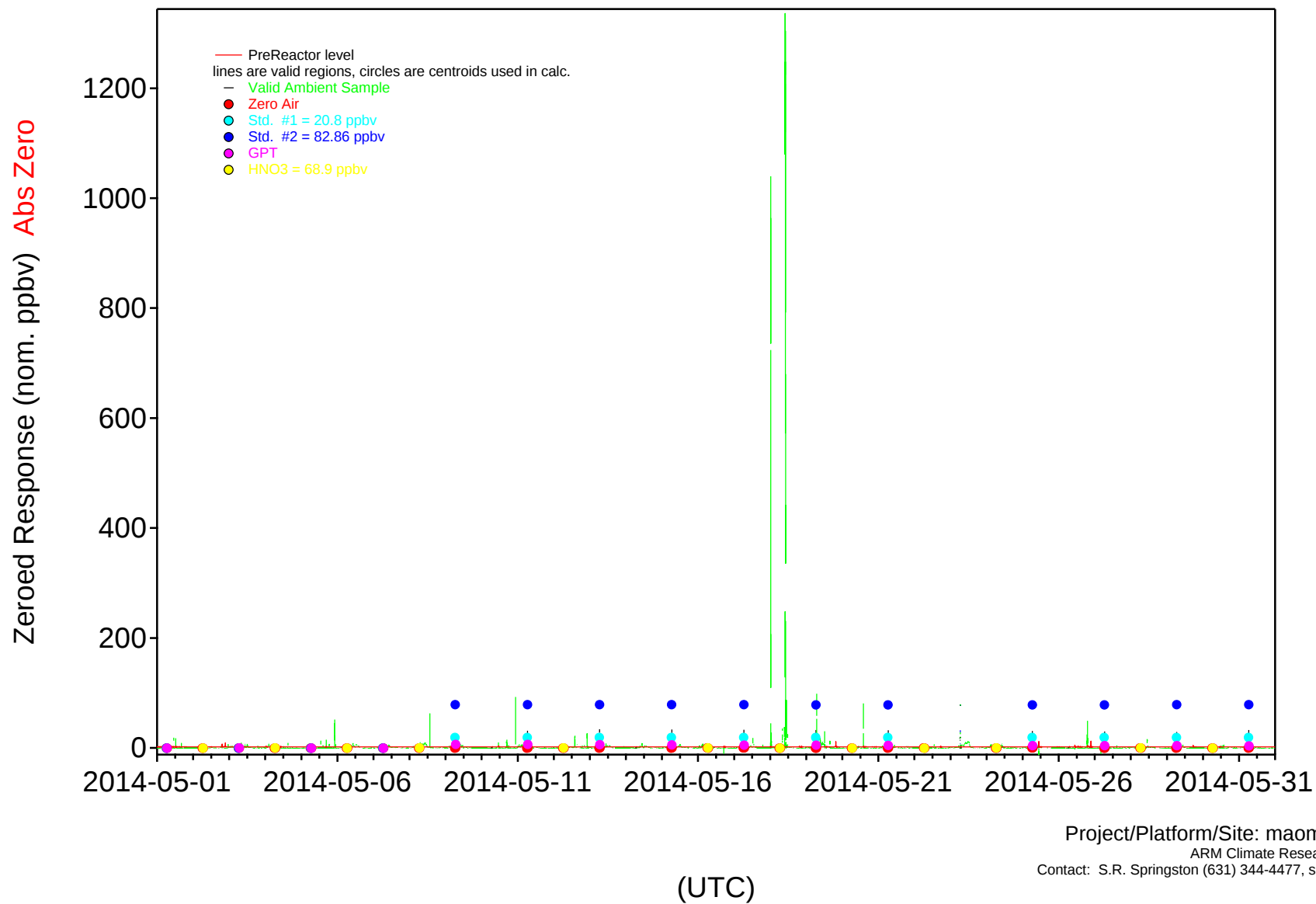
Ground NO_x Analyzer Parsed NO_y Channel Data



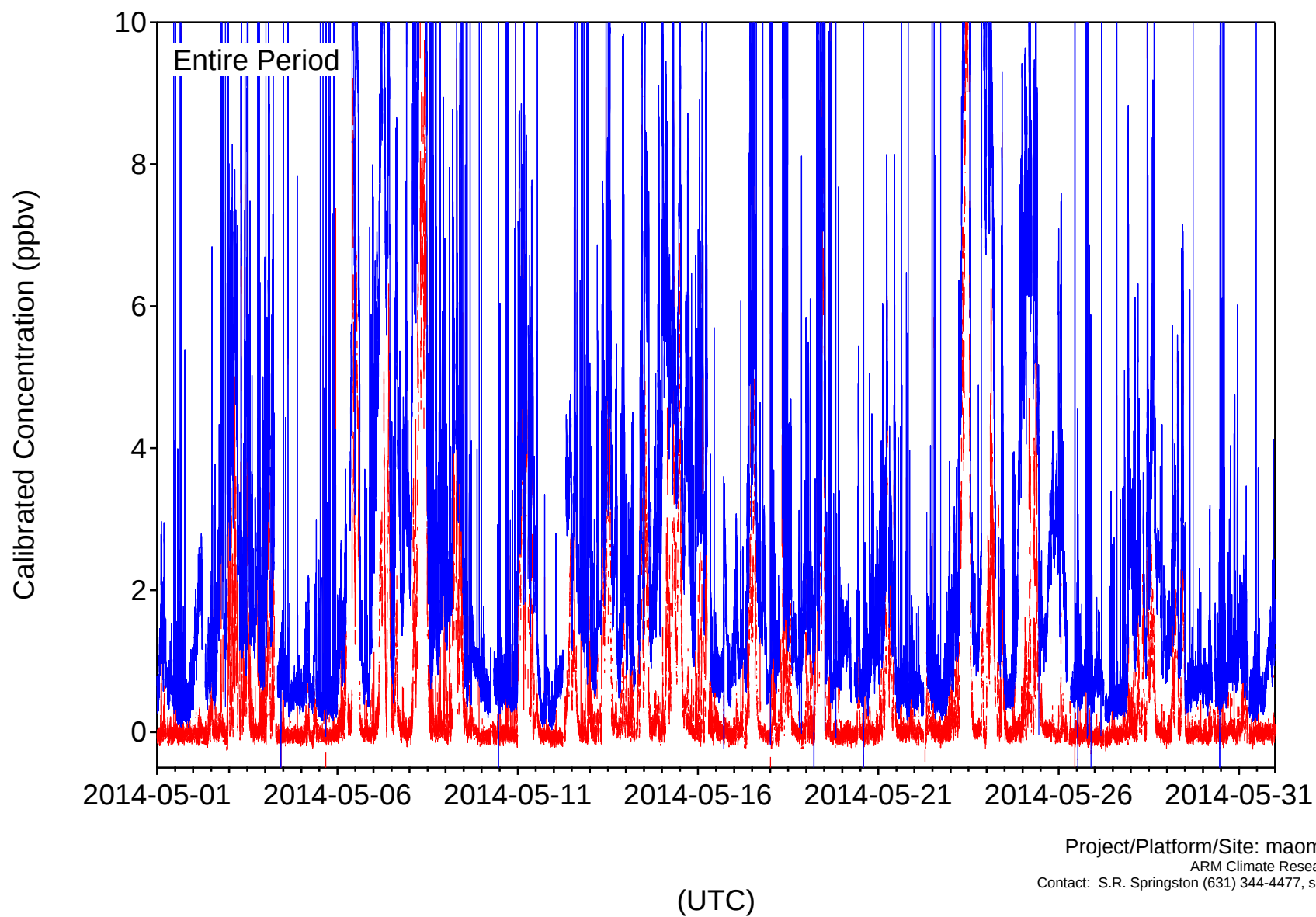
Ground NO_x Analyzer Parsed NO_x Channel Data



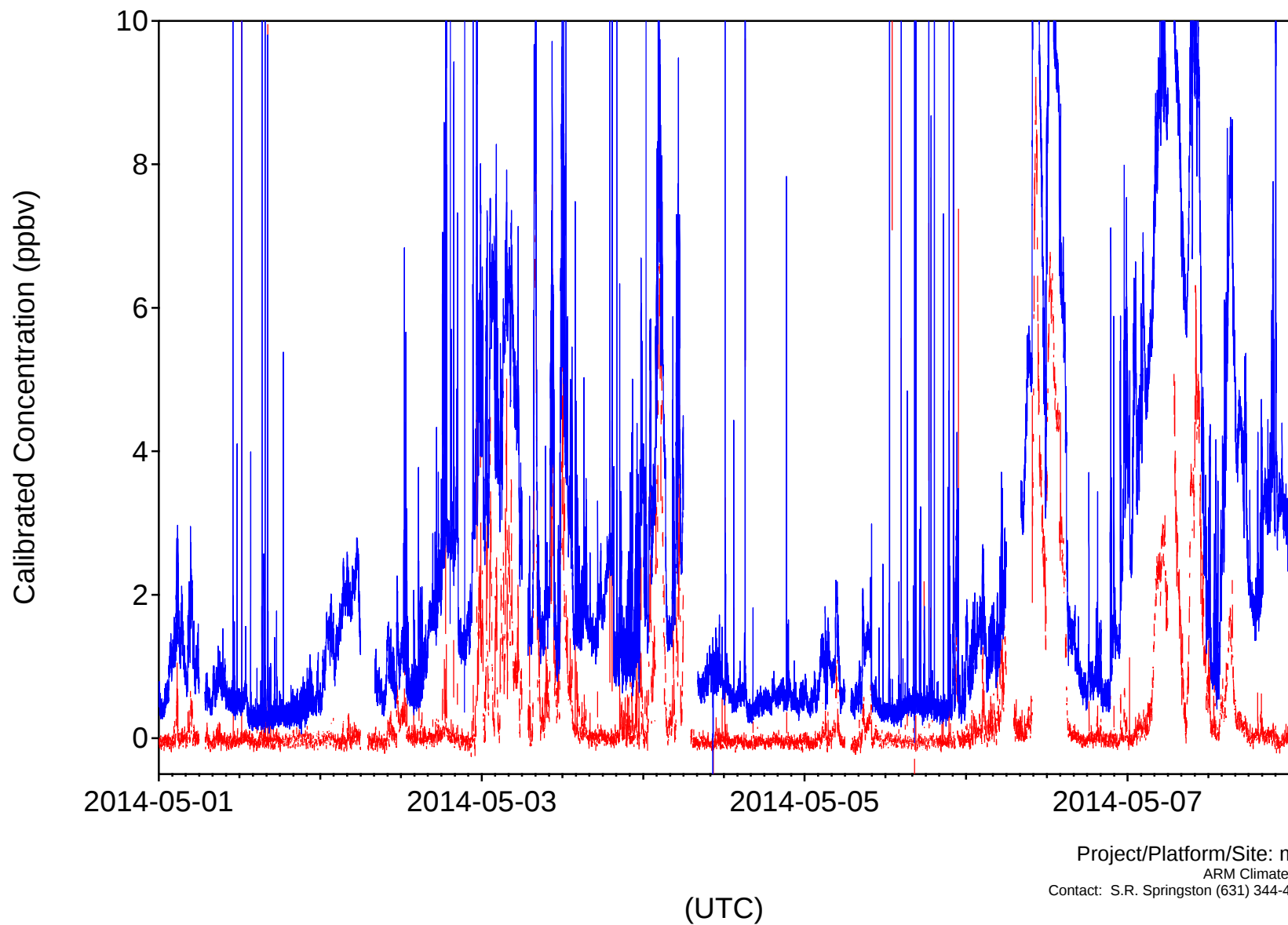
Ground NO_x Analyzer Parsed NO Channel Data



Calibration Factors Used:
NO: 1.069 ([calibrated]/[inst. reported])
NO₂: 1.09 ([calibrated]/[inst. reported]), C.E. = 0.22
NO_y: 1.478 ([calibrated]/[inst. reported]), C.E. = 1.03

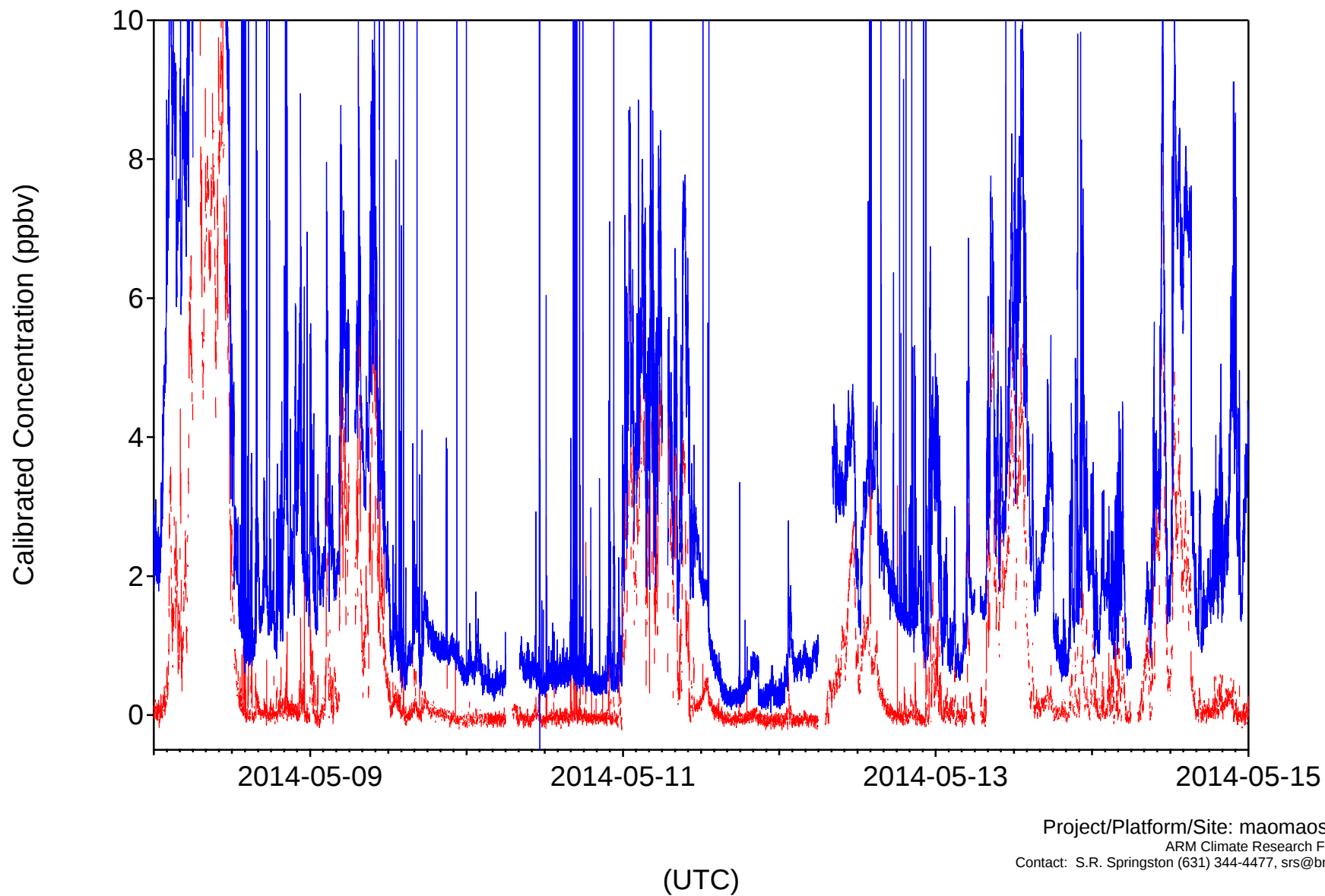


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NO₂: 1.09 ([calibrated]/[inst. reported]), C.E. = 0.22
NO_y: 1.478 ([calibrated]/[inst. reported]), C.E. = 1.03

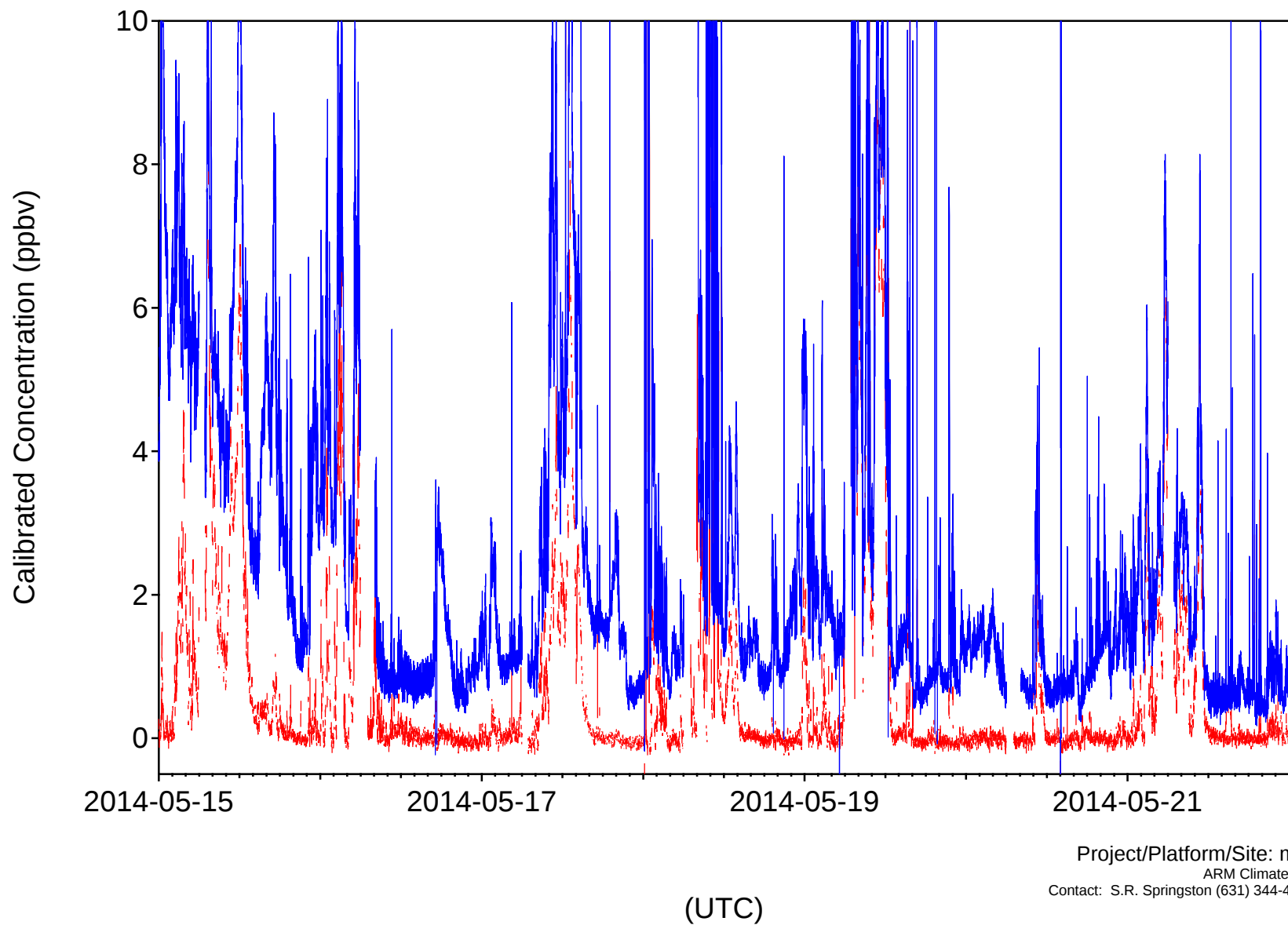


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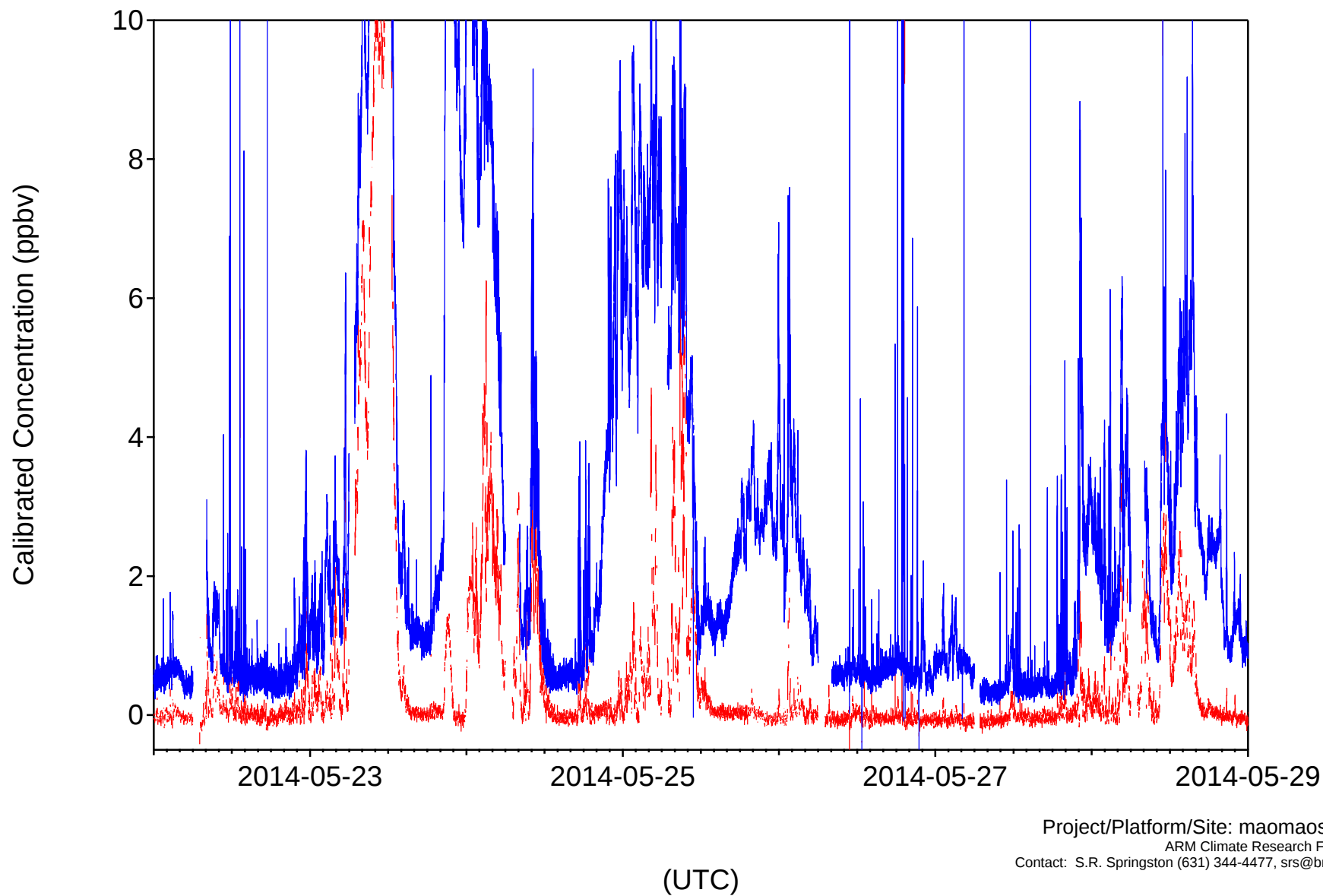
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