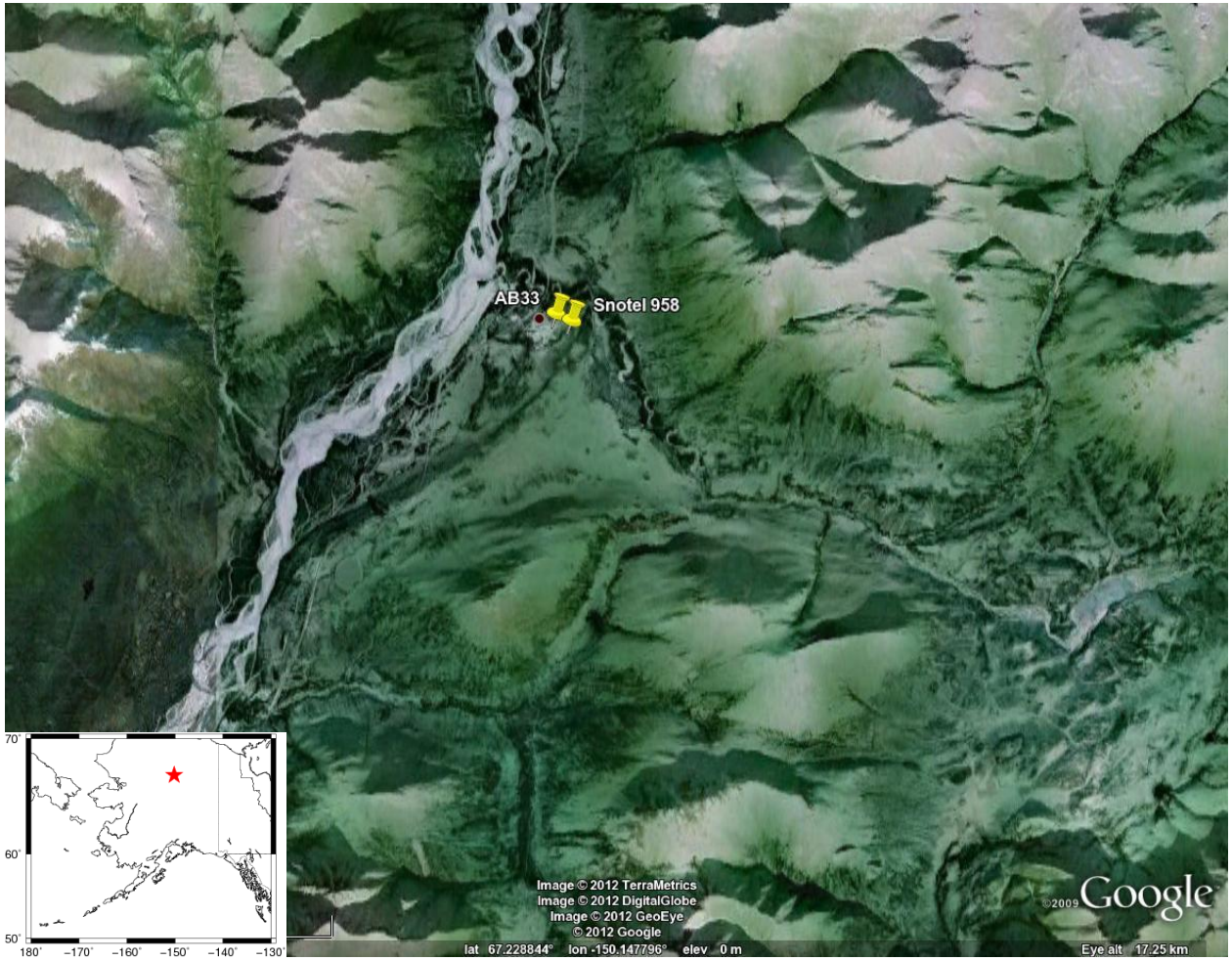
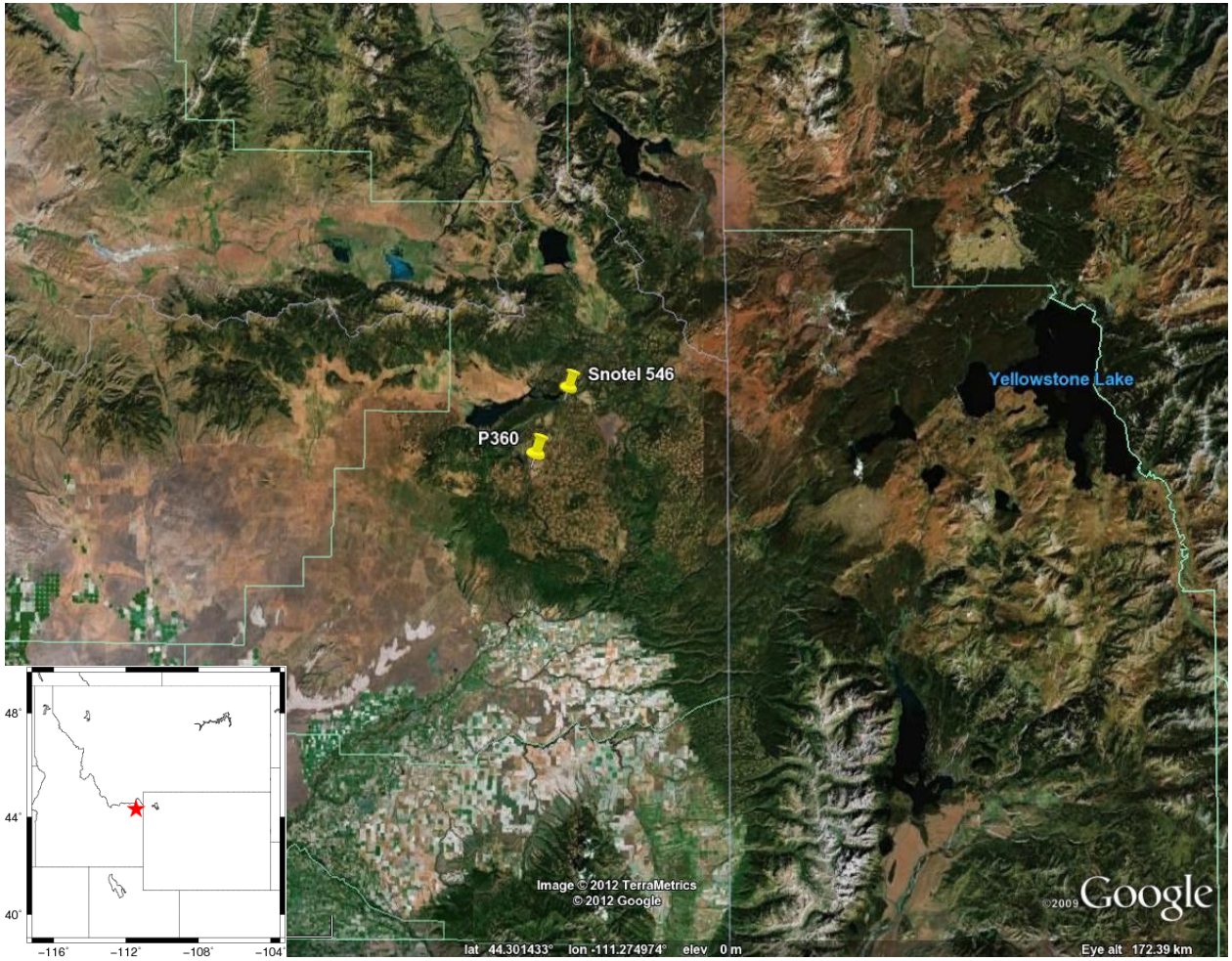
AB33 - Alaska

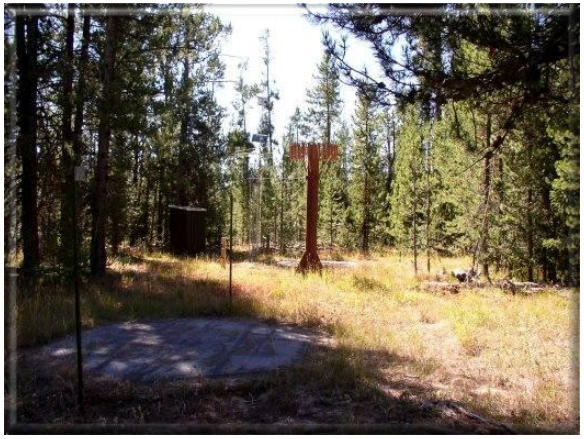


Coldfoot <300m

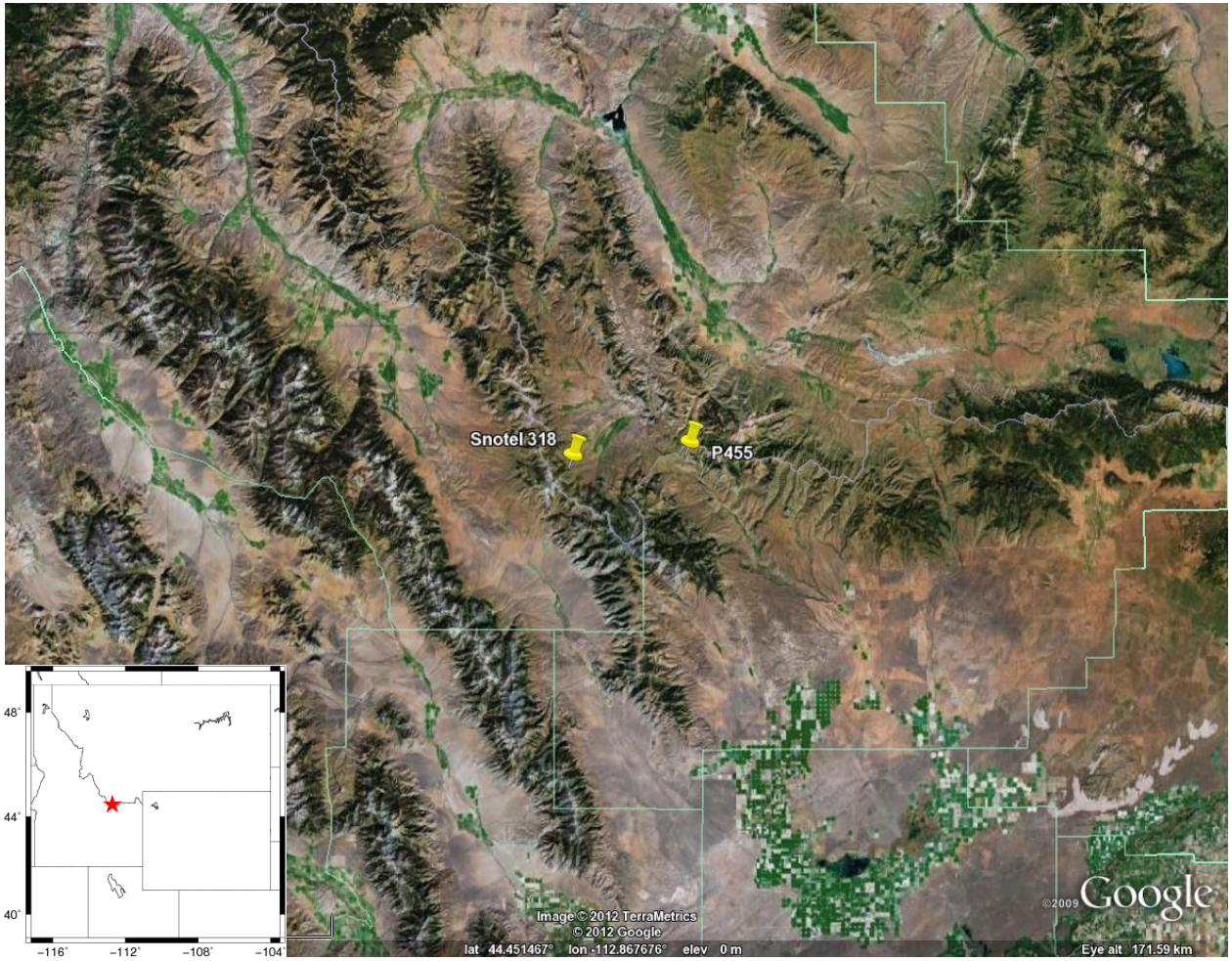
P360 - Idaho



Island Park <12.5 km

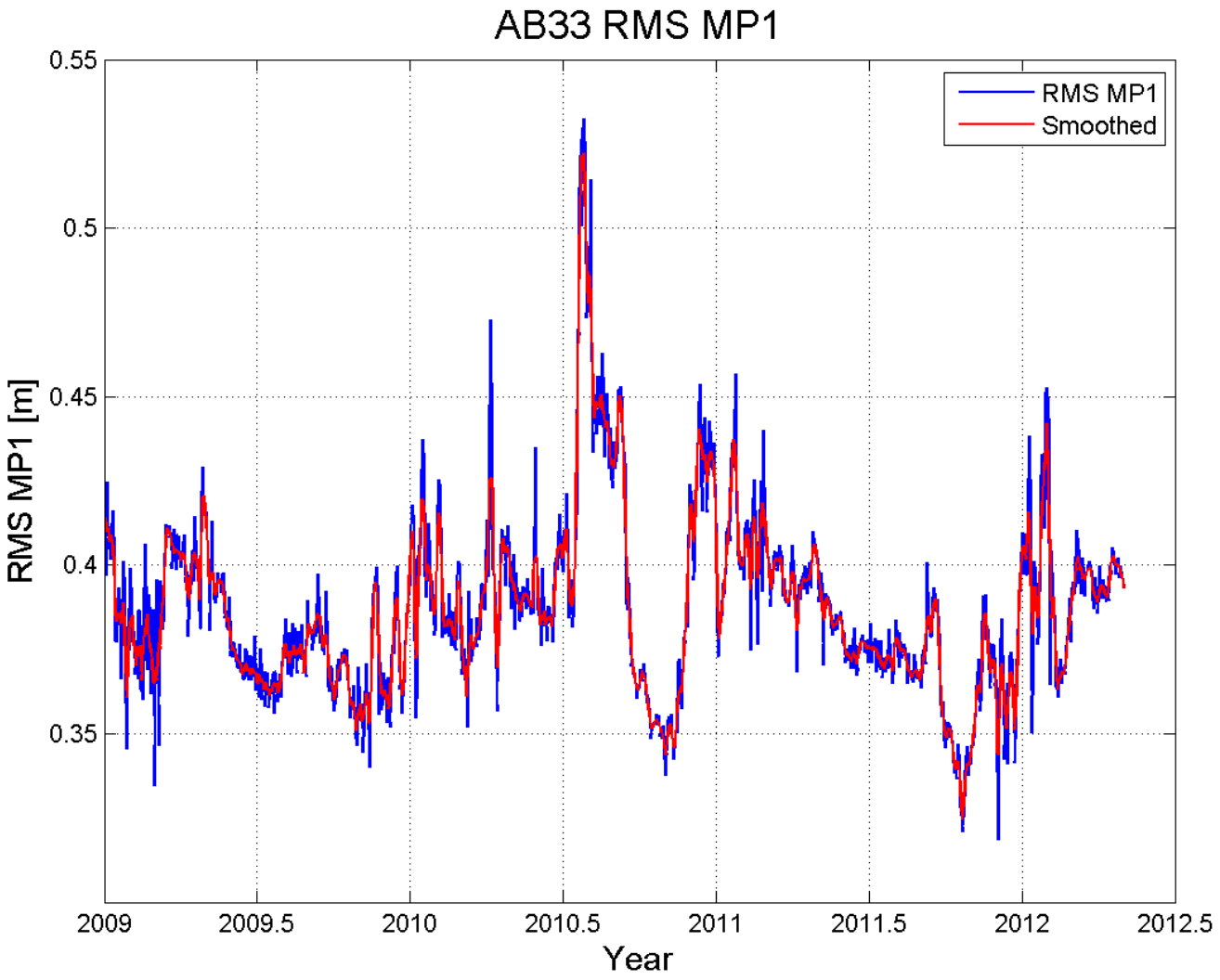


P455 - Idaho

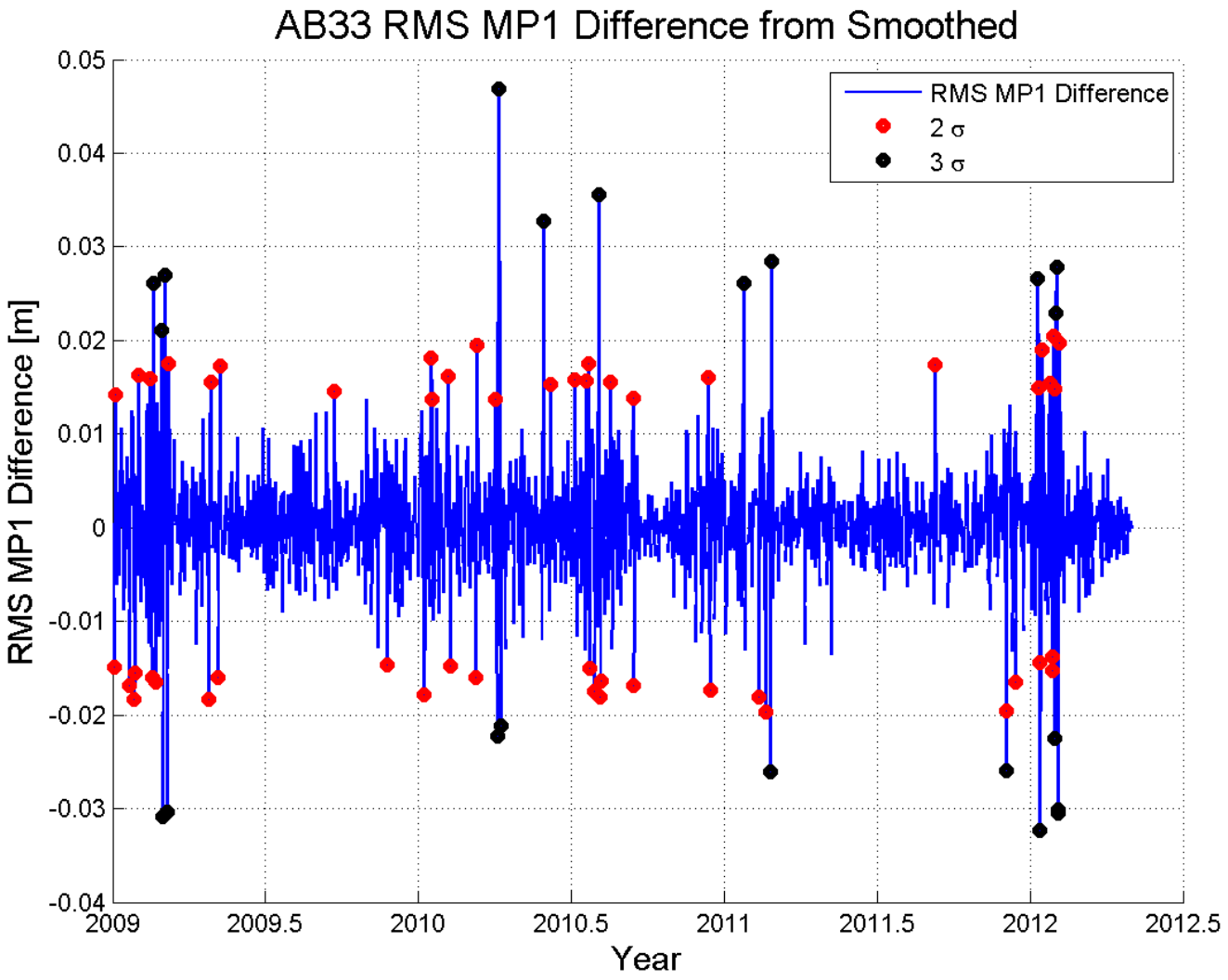


Beagle Springs <19.2 km

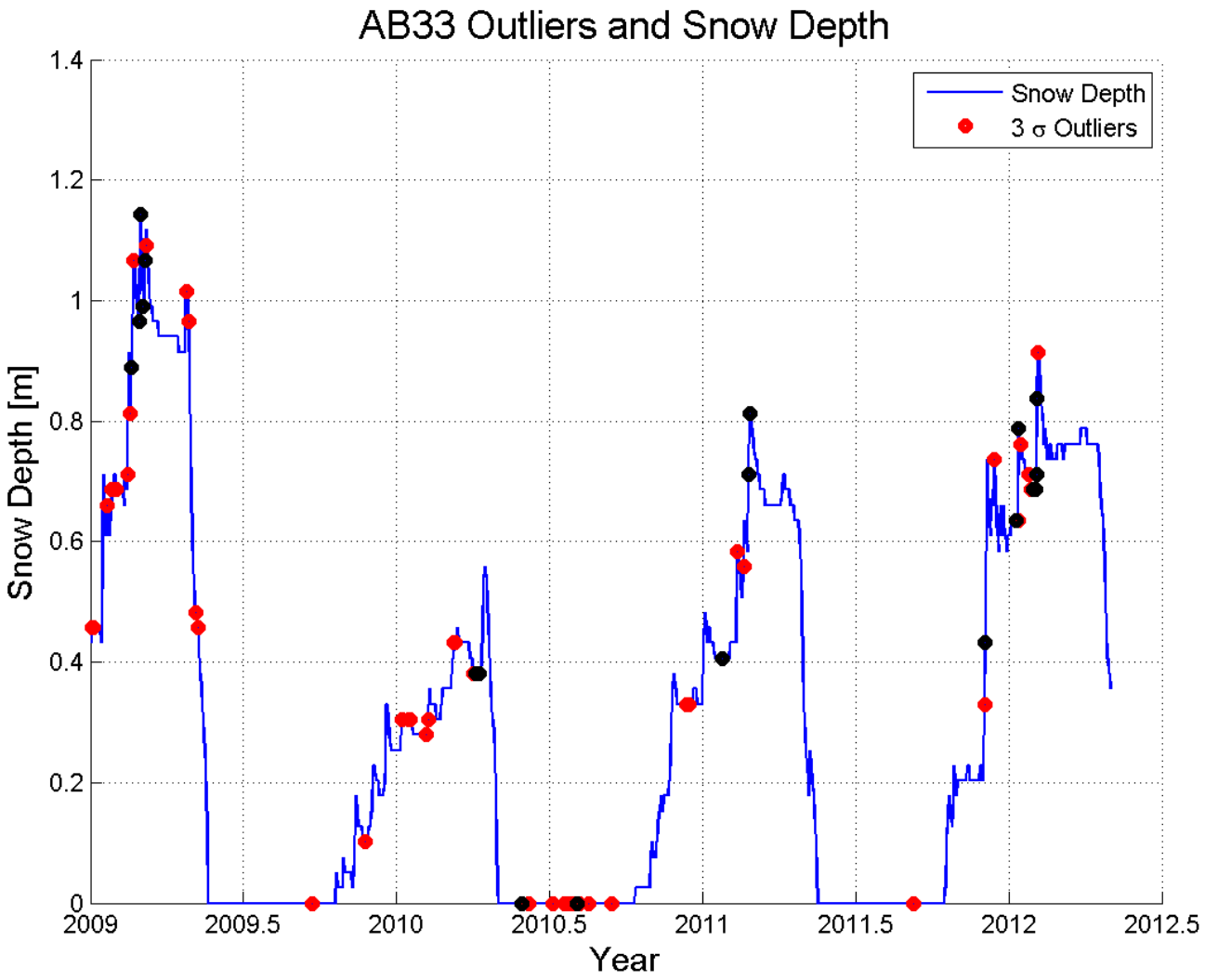
AB33 RMS MP1


AB33 RMS MP1
RMS MP1
Smoothed
RMS MP1 [m]
0.55
0.5
0.45
0.4
0.35
2009
2009.5
2010
2010.5
2011
2011.5
2012
2012.5
Year

AB33 MP1 Difference



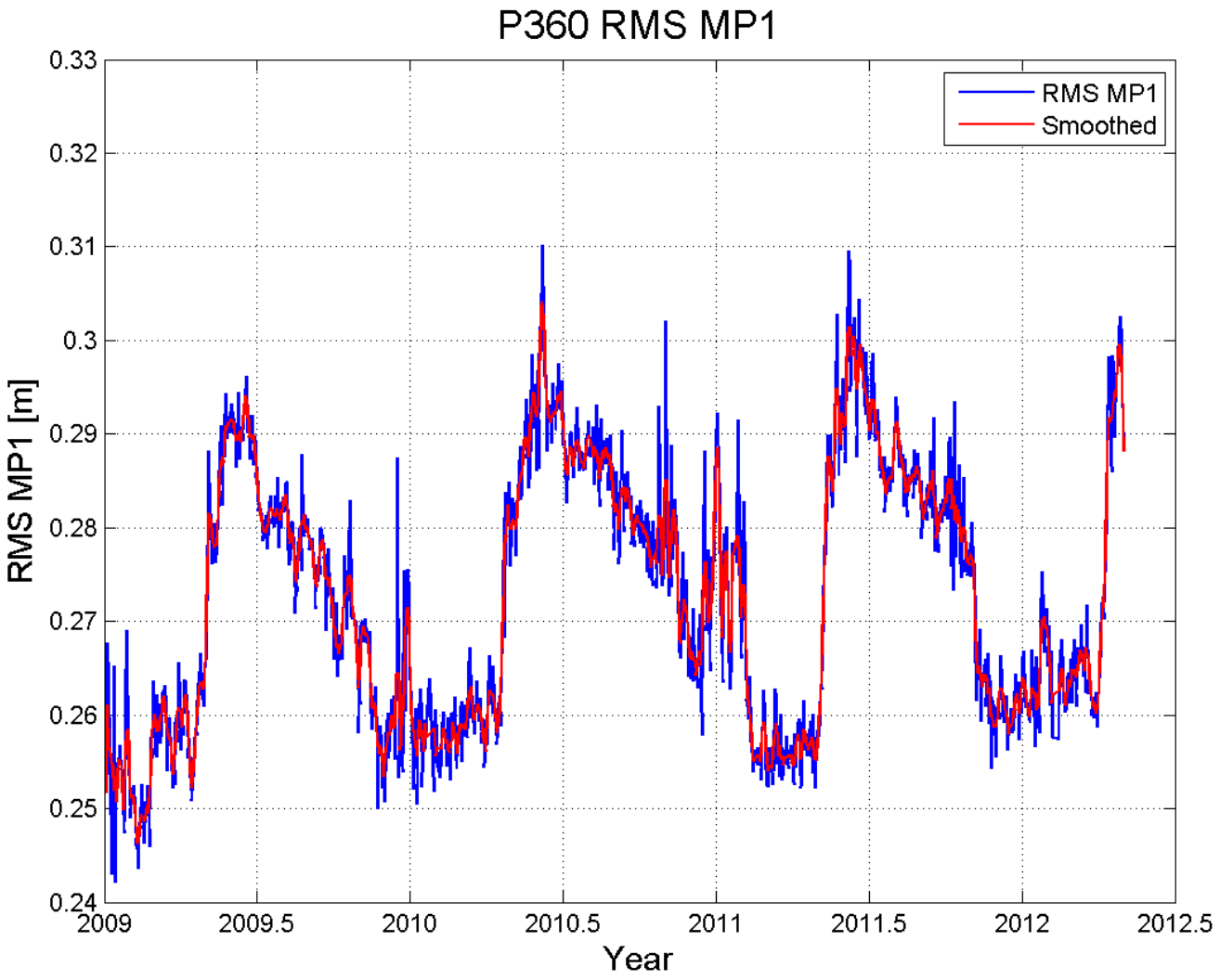
AB33 Snow Depth



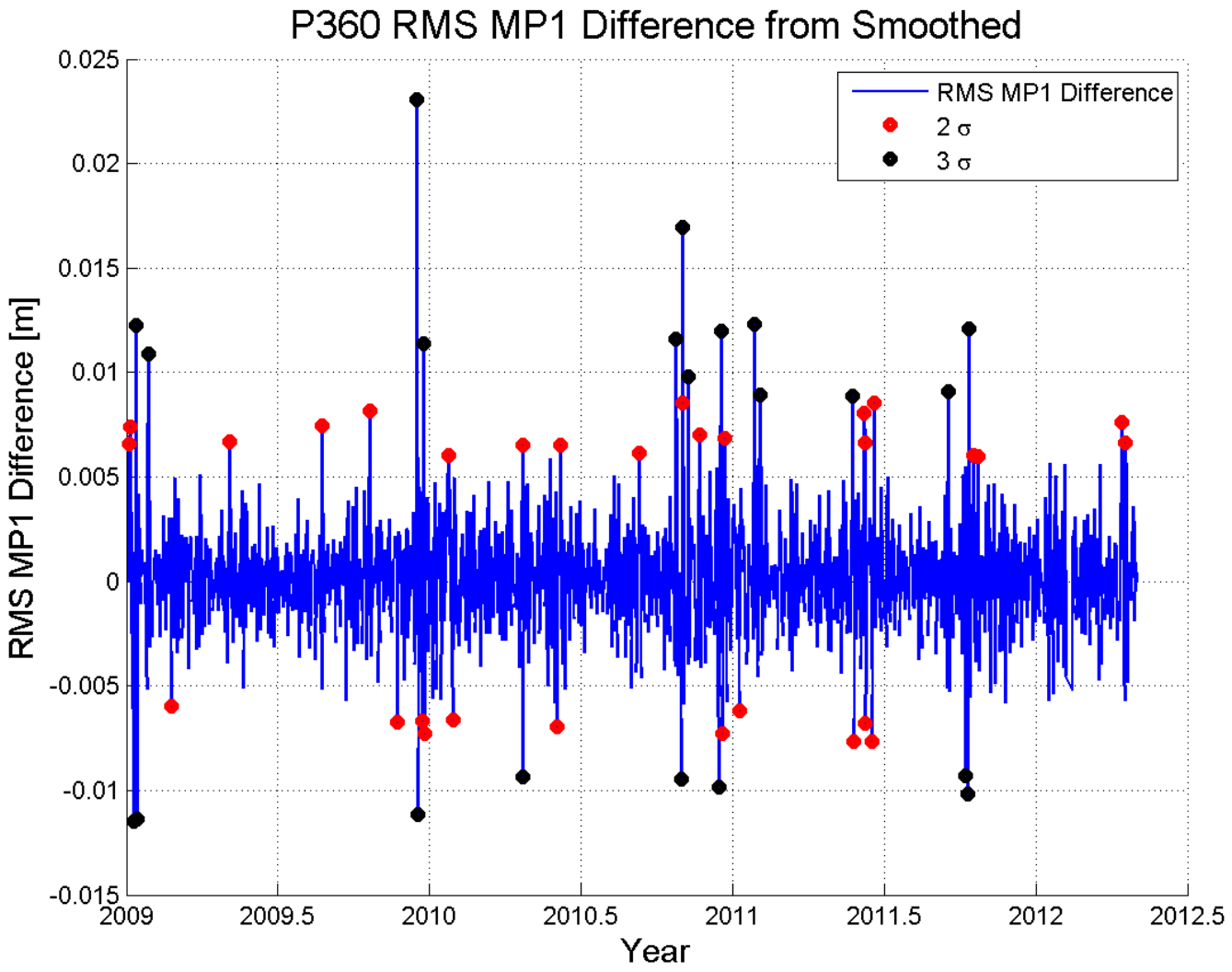
AB33 Summary

- 16/21 3σ values Correspond to falling or recently fallen snow
  - 13 within 1 day of a major snowfall
  - 5 During the Summer
- 2σ has many more correlations
- Not all snowfalls recorded however

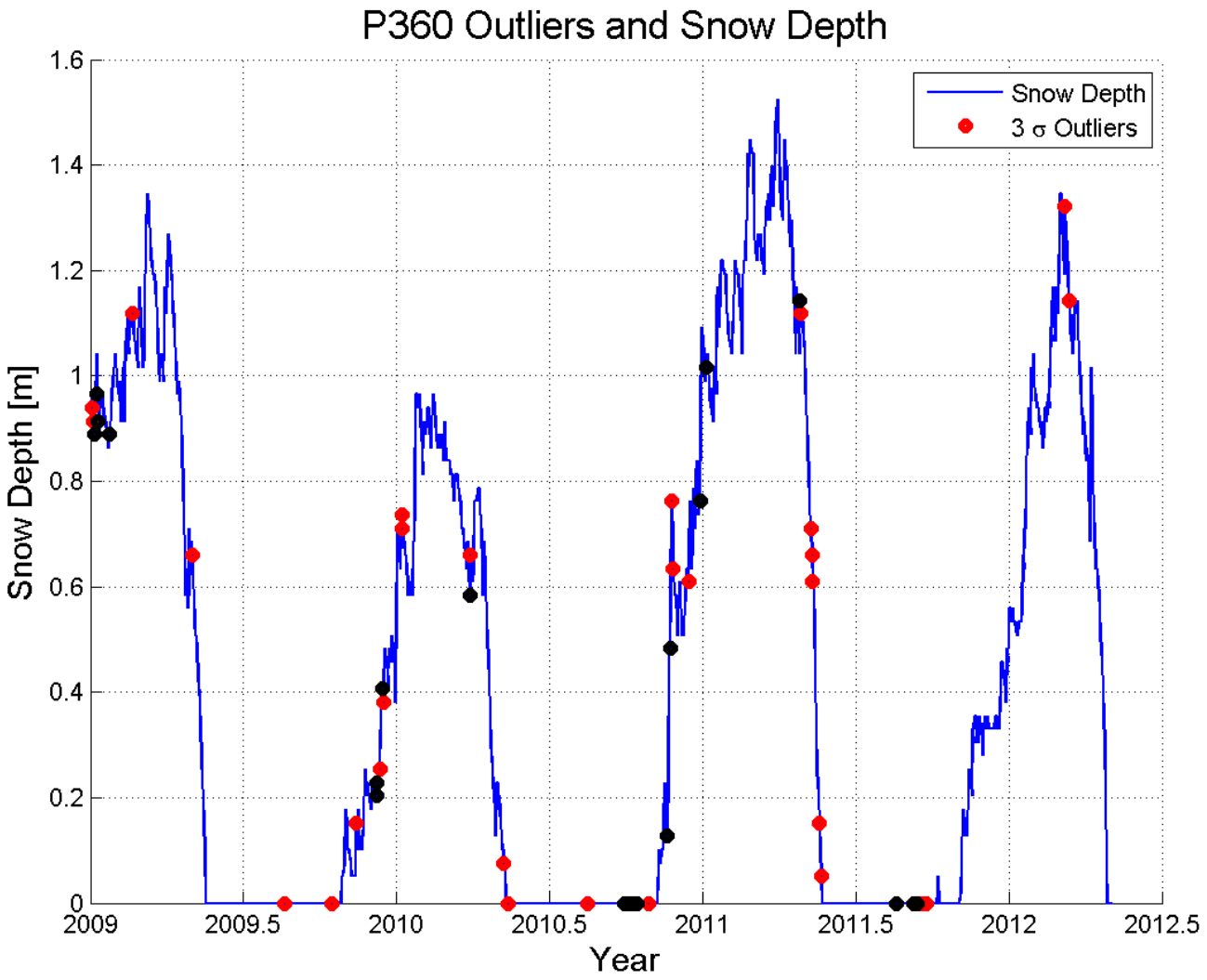
P360 RMS MP1


P360 RMS MP1
RMS MP1
Smoothed
RMS MP1 [m]
0.33
0.32
0.31
0.3
0.29
0.28
0.27
0.26
0.25
0.24
2009
2009.5
2010
2010.5
2011
2011.5
2012
2012.5
Year

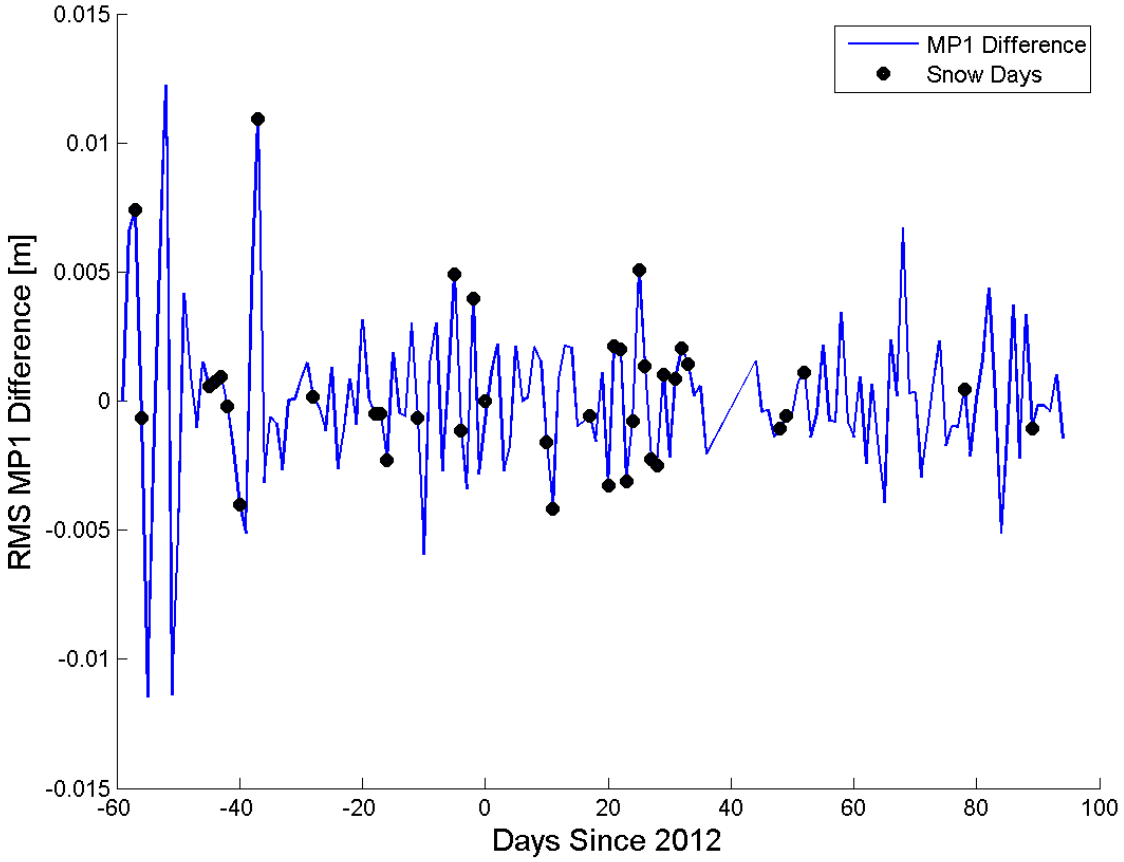
P360 MP1 Difference



P360 Snow Depth



P360 Truth Measure

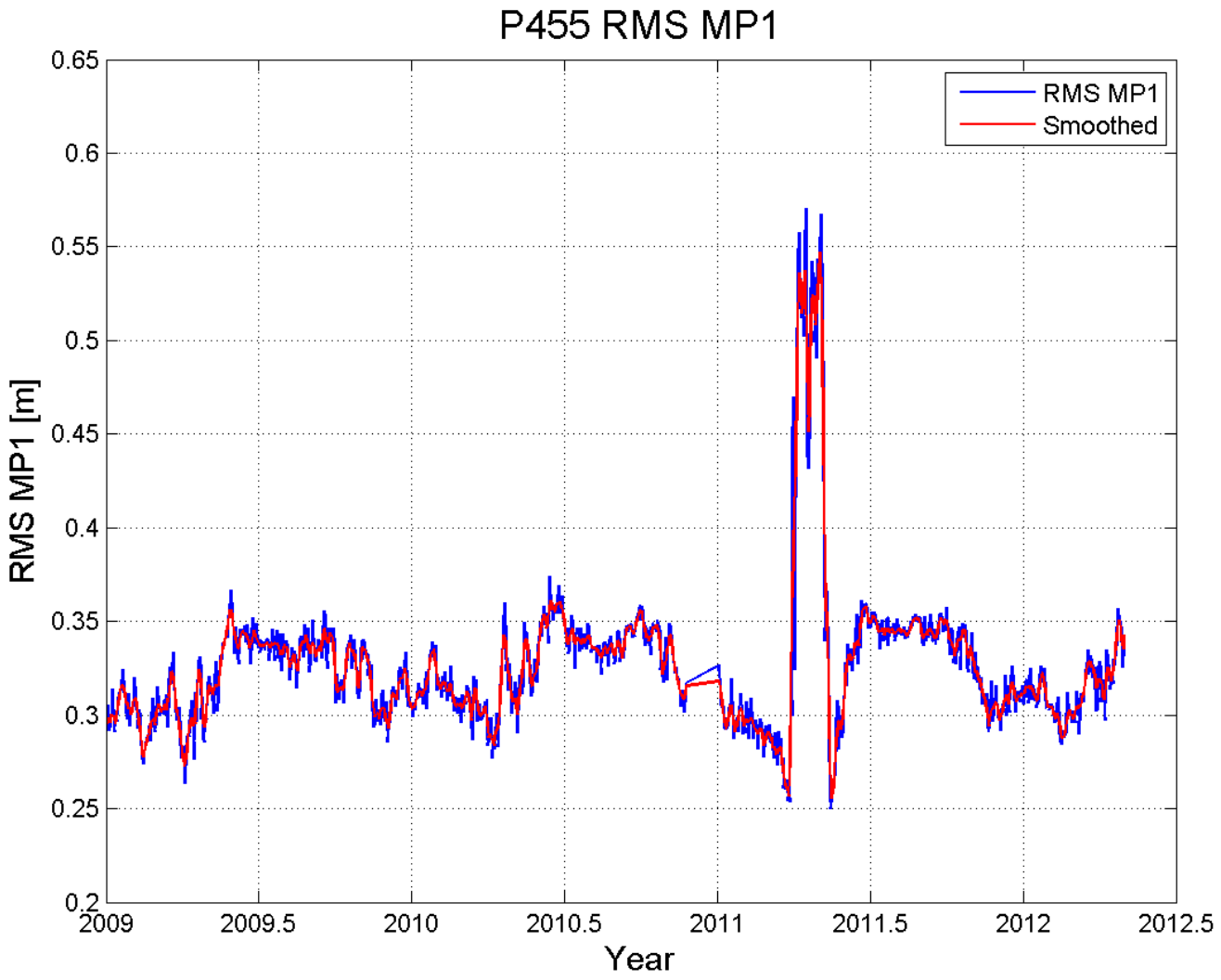


P360 Summary

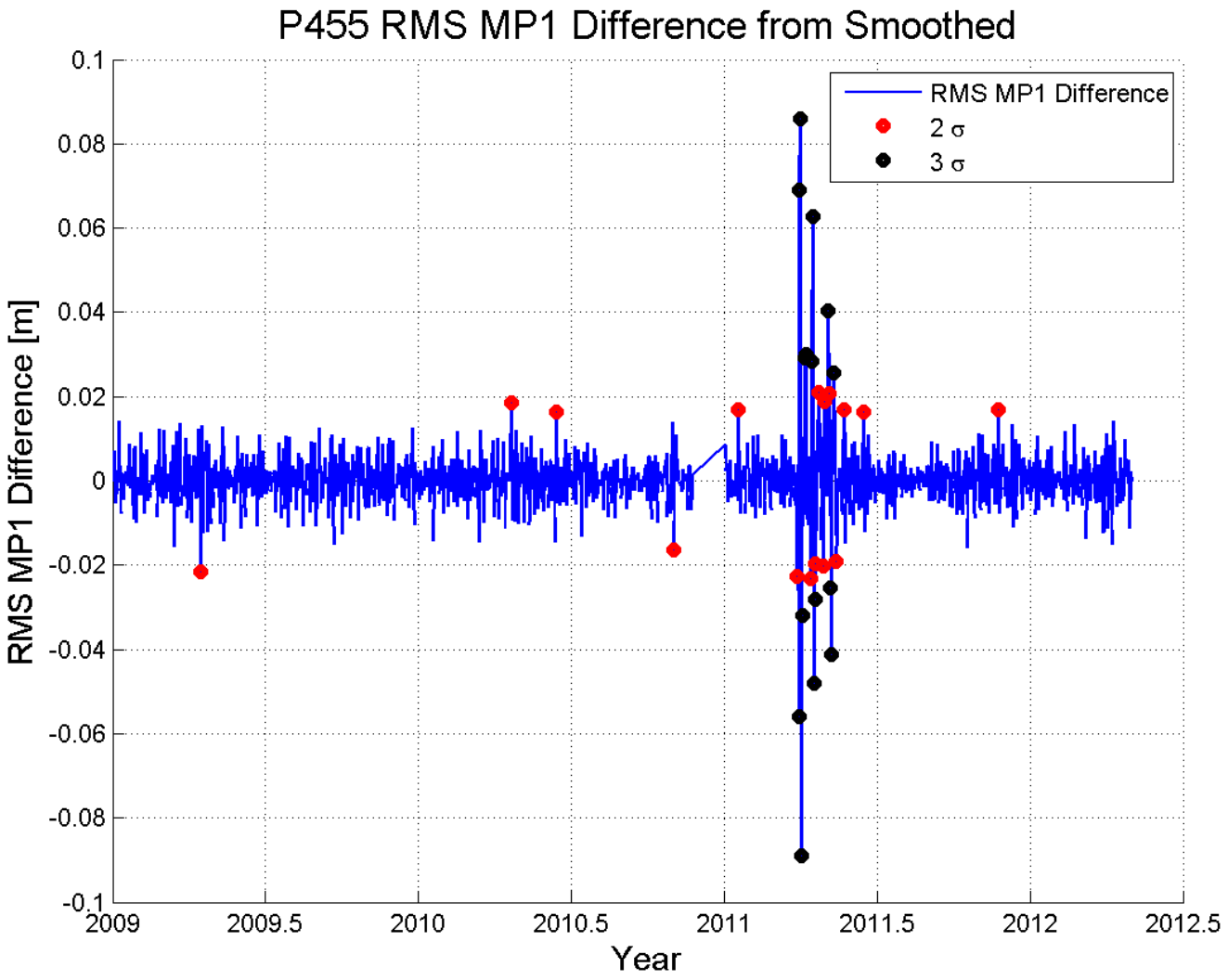
- Less matching than AB33 showed

- Does not always show days with snow on antenna
- Better outlier finding could help

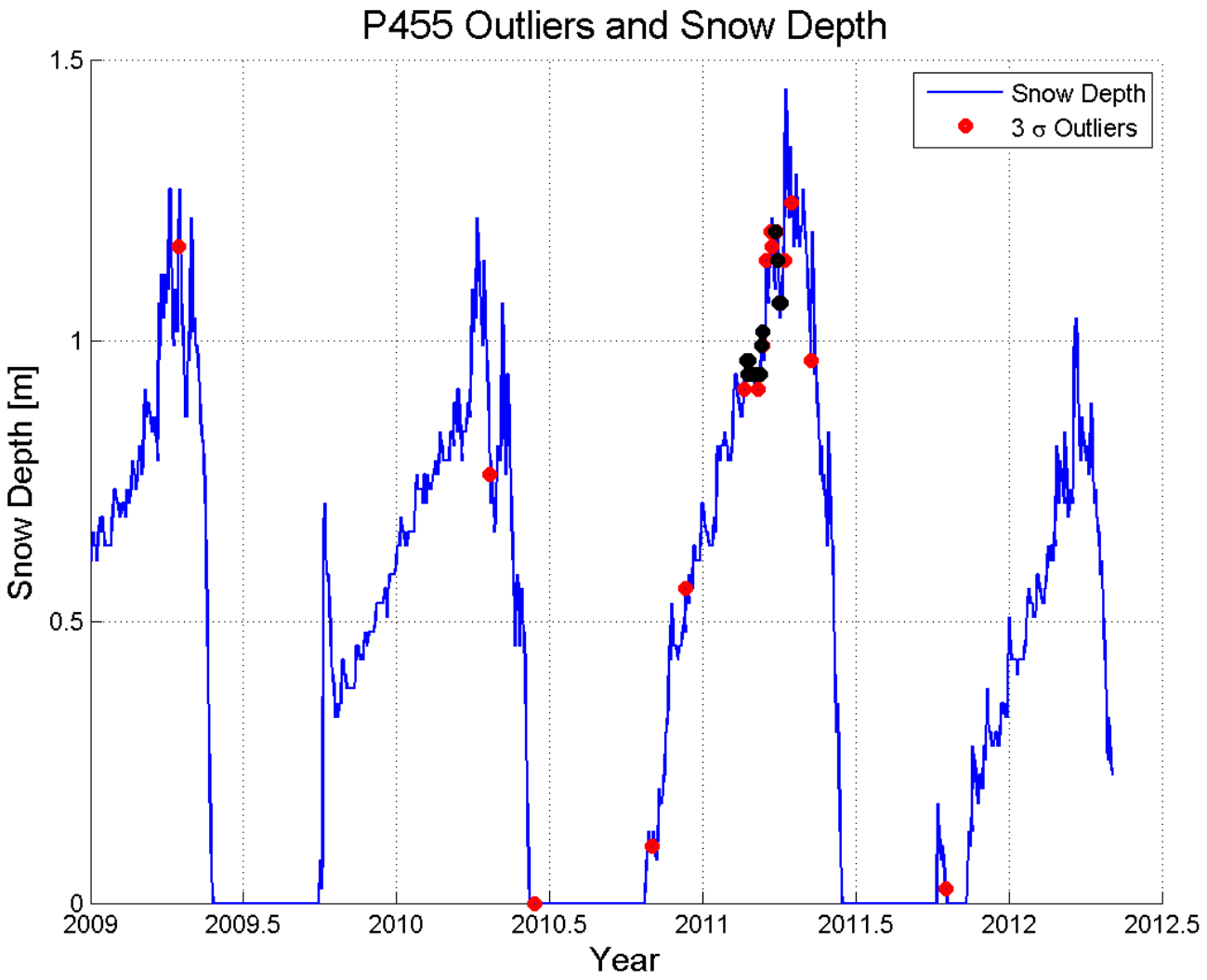
P455 RMS MP1


P455 RMS MP1
RMS MP1
Smoothed
RMS MP1 [m]
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
2009
2009.5
2010
2010.5
2011
2011.5
2012
2012.5
Year

P455 MP1 Difference



P455 Snow Depth



RMS MP1 Difference Summary

- Could be used to remove some “very bad” data sets
- Seems to be more coincidental than anything
- Not reliable to detect all days with snow on the antenna however.