

Burstaltitudes

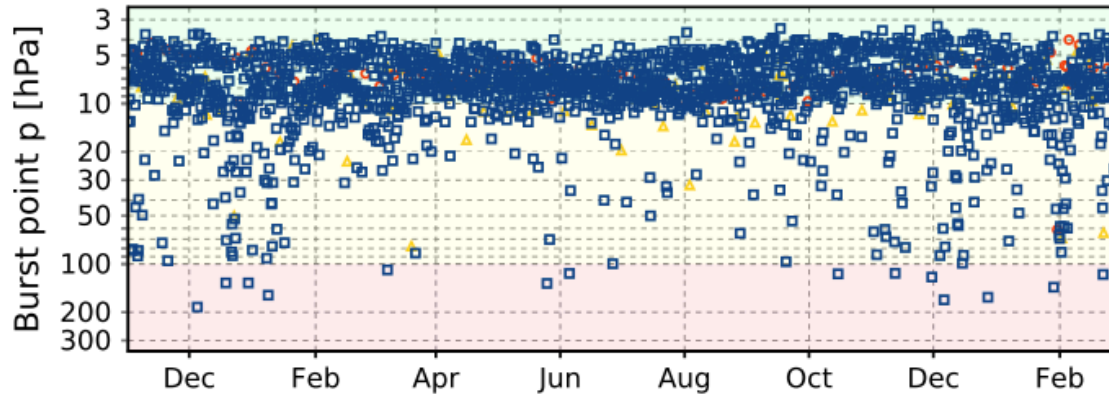
Ruud Dirksen,
GRUAN Lead Center

ICM-8
26 April 2016



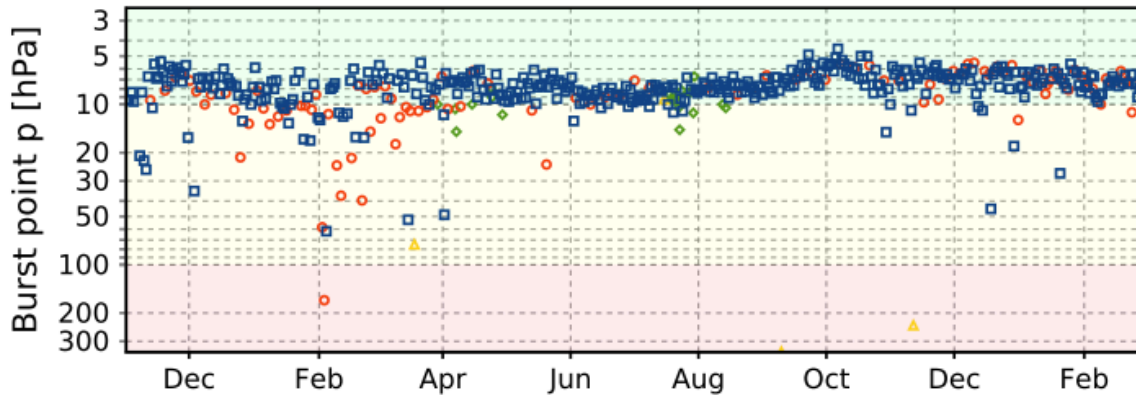
- Below 100 hPa: reject
- Up to 10 hPa: sufficient
- Above 10 hPa: good
- Above 5 hPa: excellent

Sites with $p_{burst} < 10$ hPa



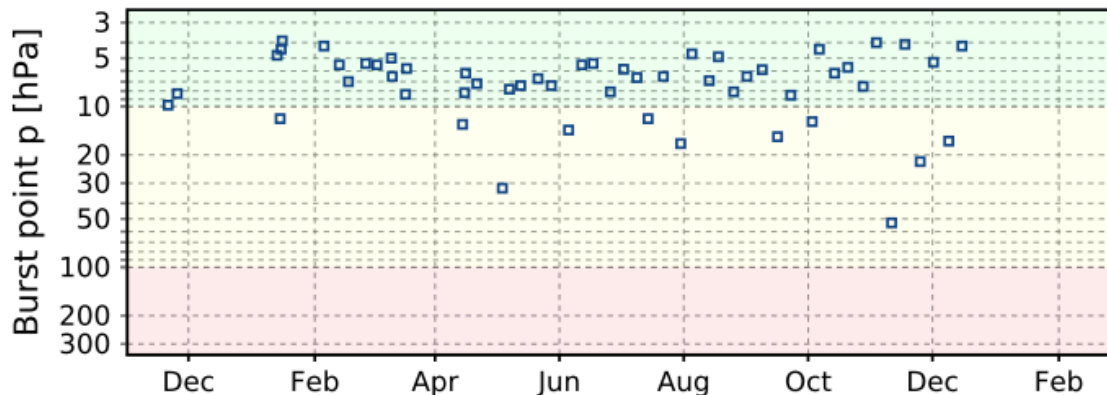
- ROUTINE
- OZONE
- RESEARCH

LIN



- ROUTINE
- OZONE
- CFH
- DUAL1

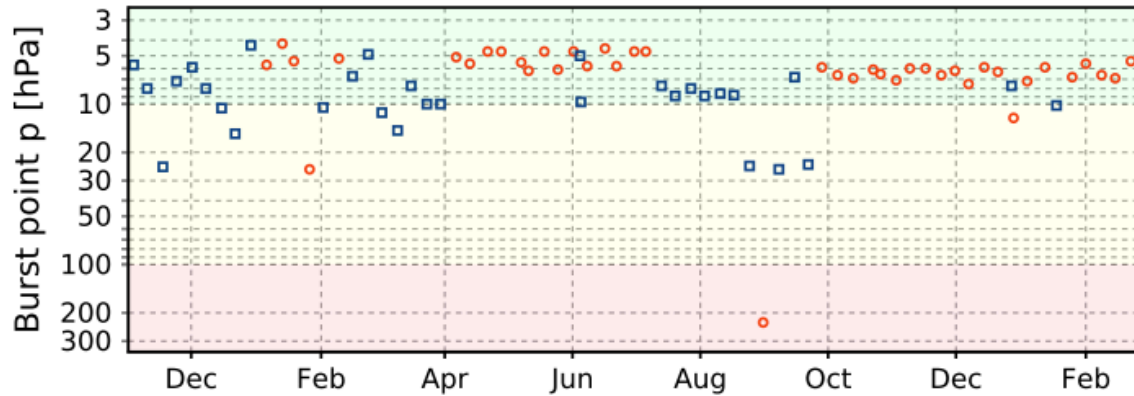
NYA



- RESEARCH

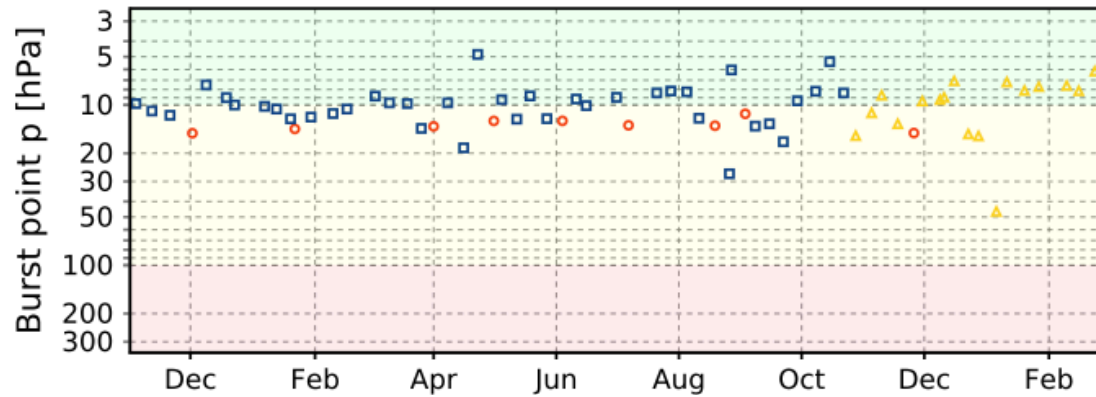
PAY

Sites with $p_{burst} < 10$ hPa



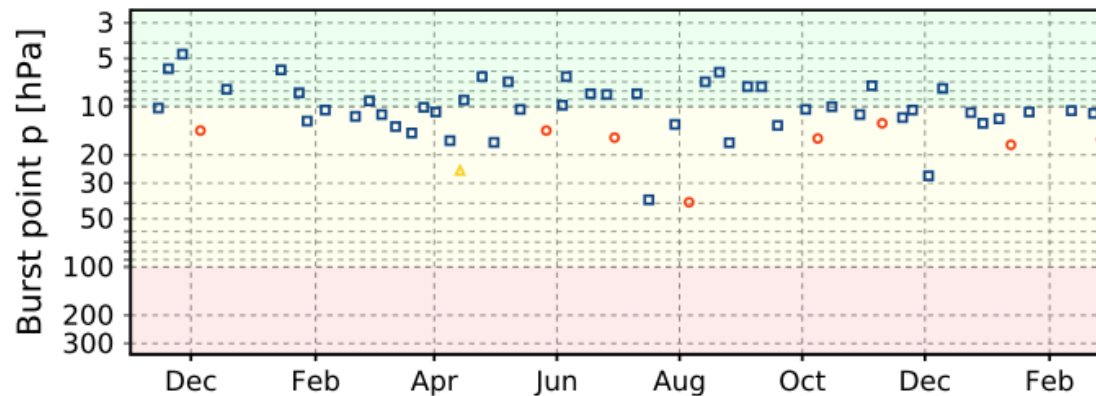
- ROUTINE
- DUAL

TAT



- OZONE
- FPH-OZONE
- RESEARCH

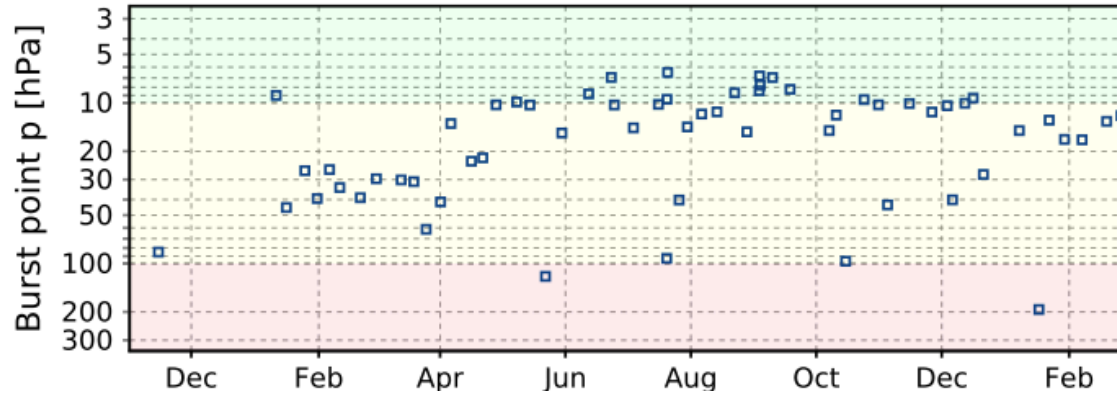
LAU



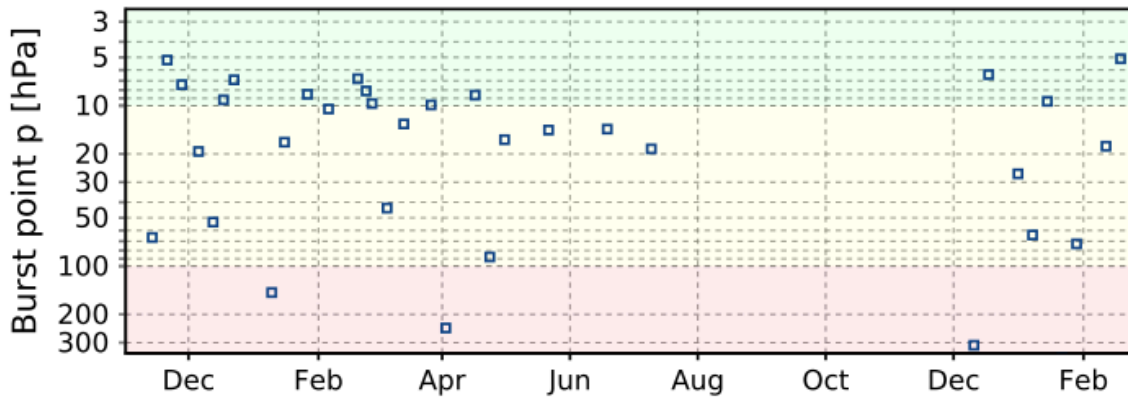
- RESEARCH
- FPH-OZONE
- FPH

BOU

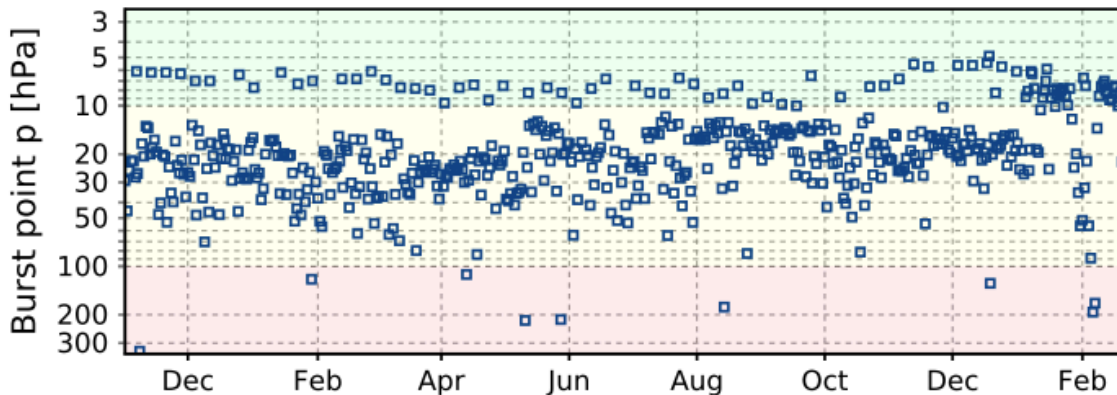
Sites that improved



BEL

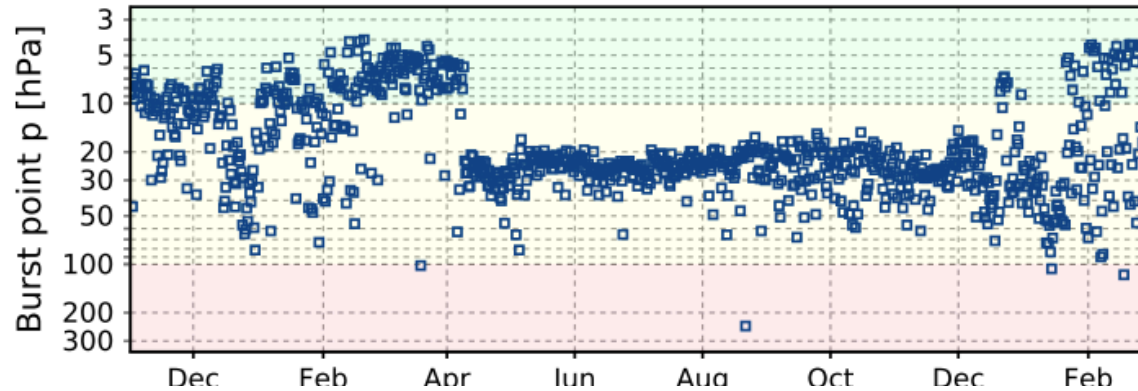


POT



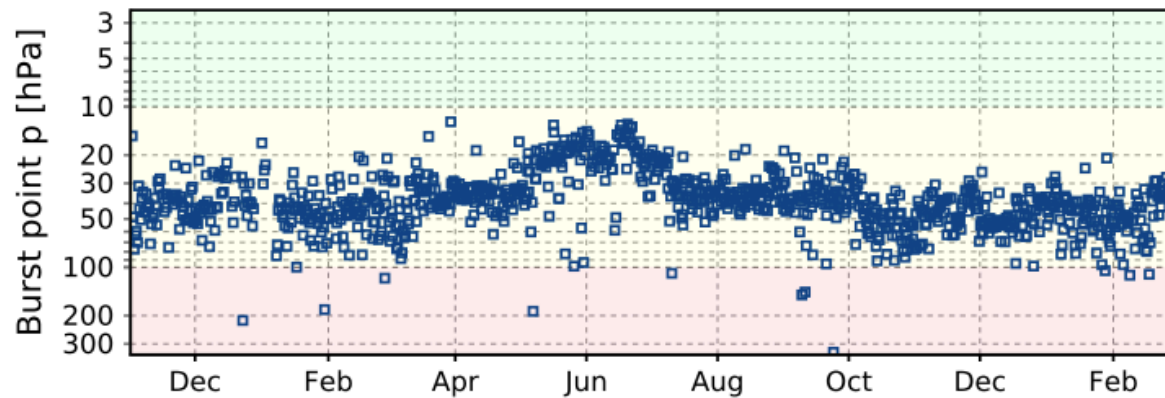
CAB

Sites with $p_{burst} > 10$ hPa



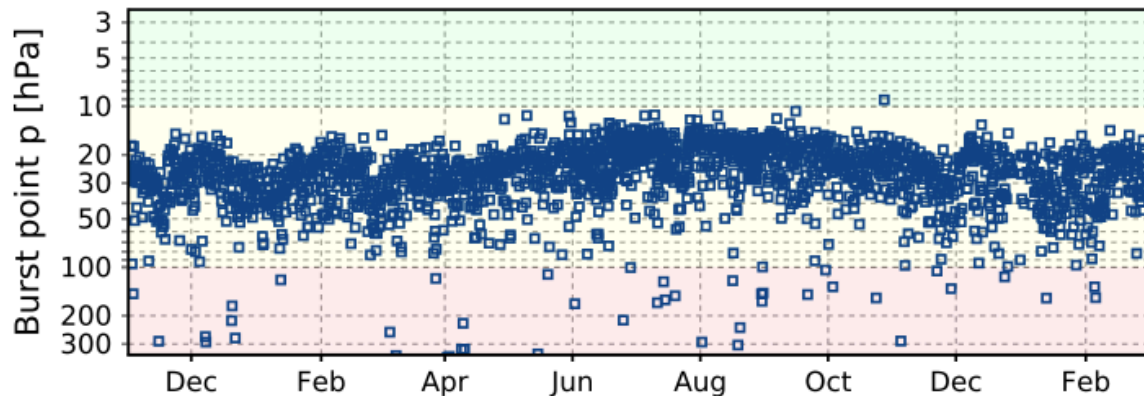
ROUTINE

SOD



AUTO1

BAR



ROUTINE

SGP

Summary

- 6 sites steadily reach 10 hPa
- 3 sites improved to reach 10 hPa
- 3 sites do not steadily reach 10 hPa all year long

- Improvement achieved by:
 - Switch balloon type (Beltsville, Cabauw)
 - New balloon-batch (Potenza)