

Retrieval and validation of cloud geometrical properties

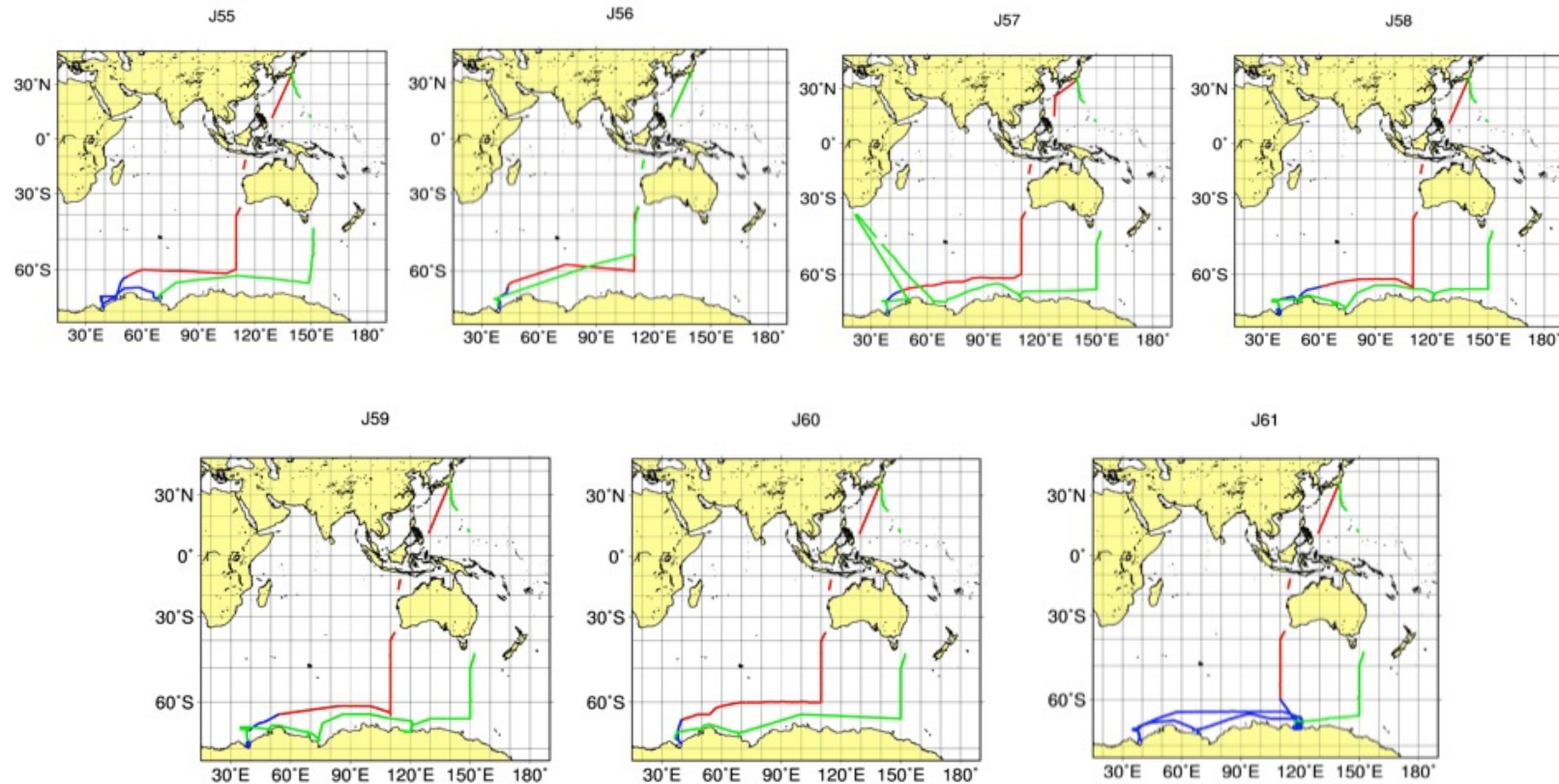
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GCOM-C SGLI PI Workshop, Online
January 18, 2022

Ship-track R/V *Shirase* JARE 55-61 w/o EEZ



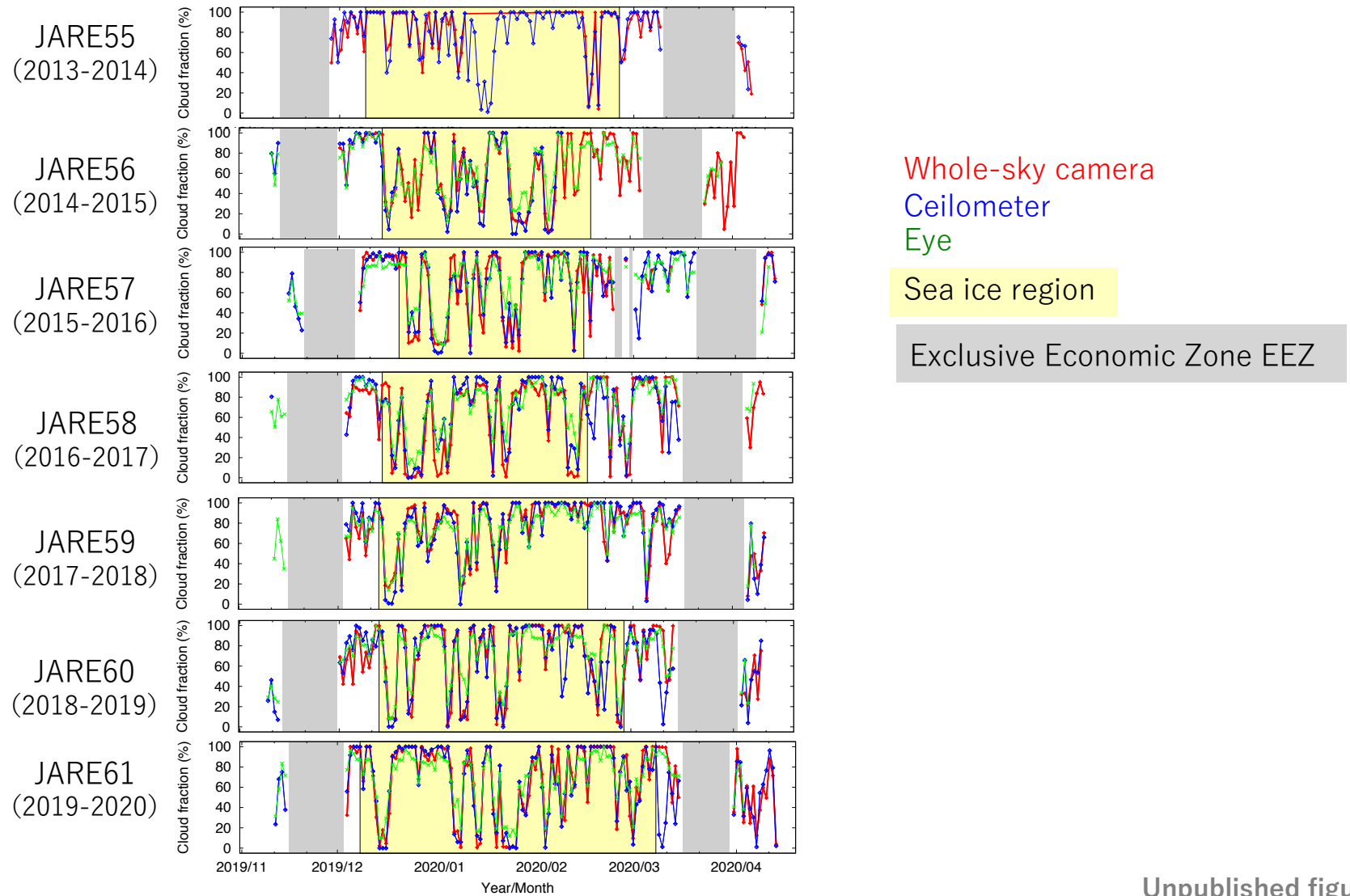
Ship-track during JARE 55-61.

Red: outward path in open water area; Blue: sea ice area; Green: return path in open water area;

EEZ: Exclusive Economic Zone

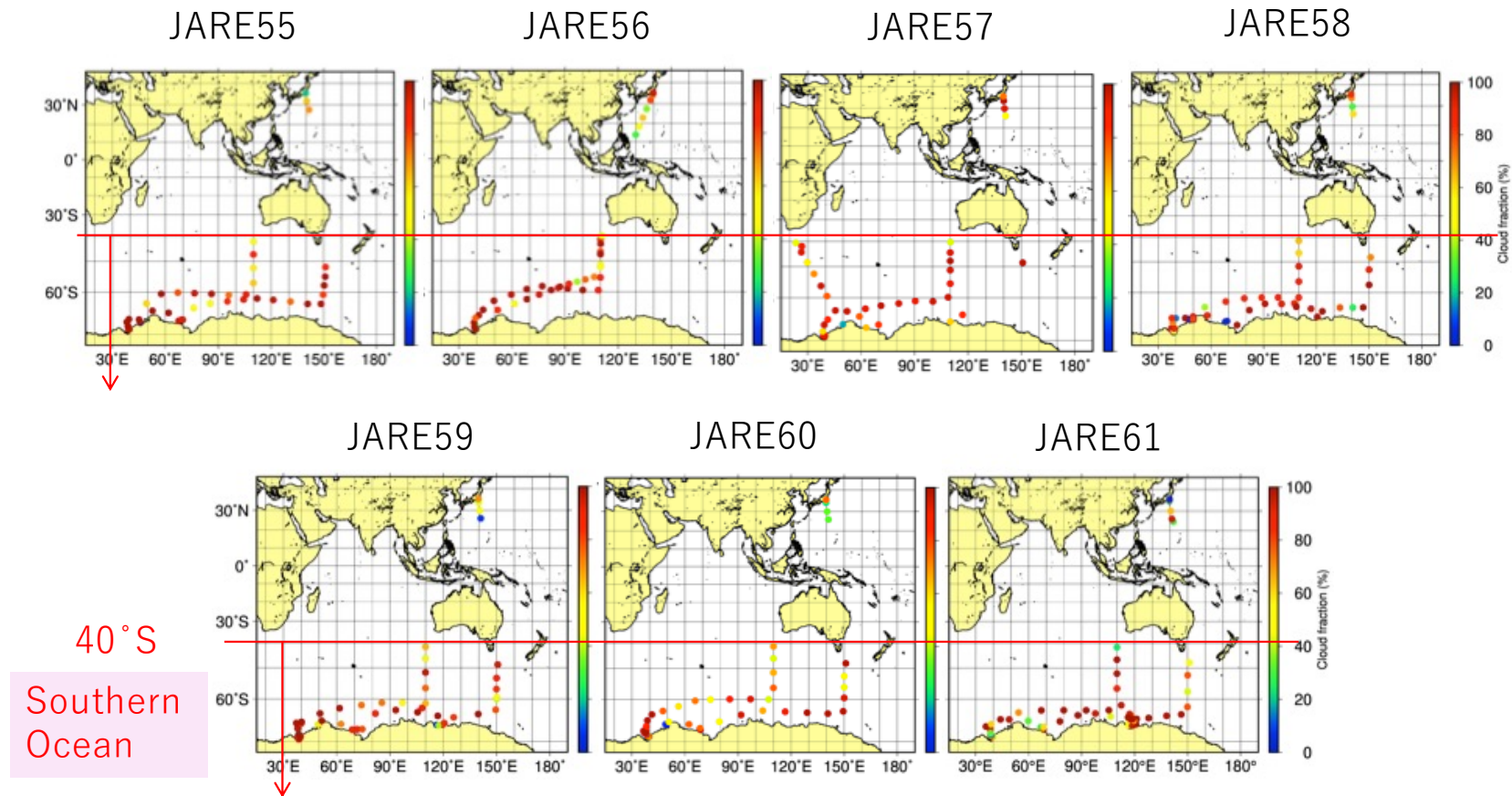
Unpublished figures

Daily-averaged cloud fraction JARE 55-61



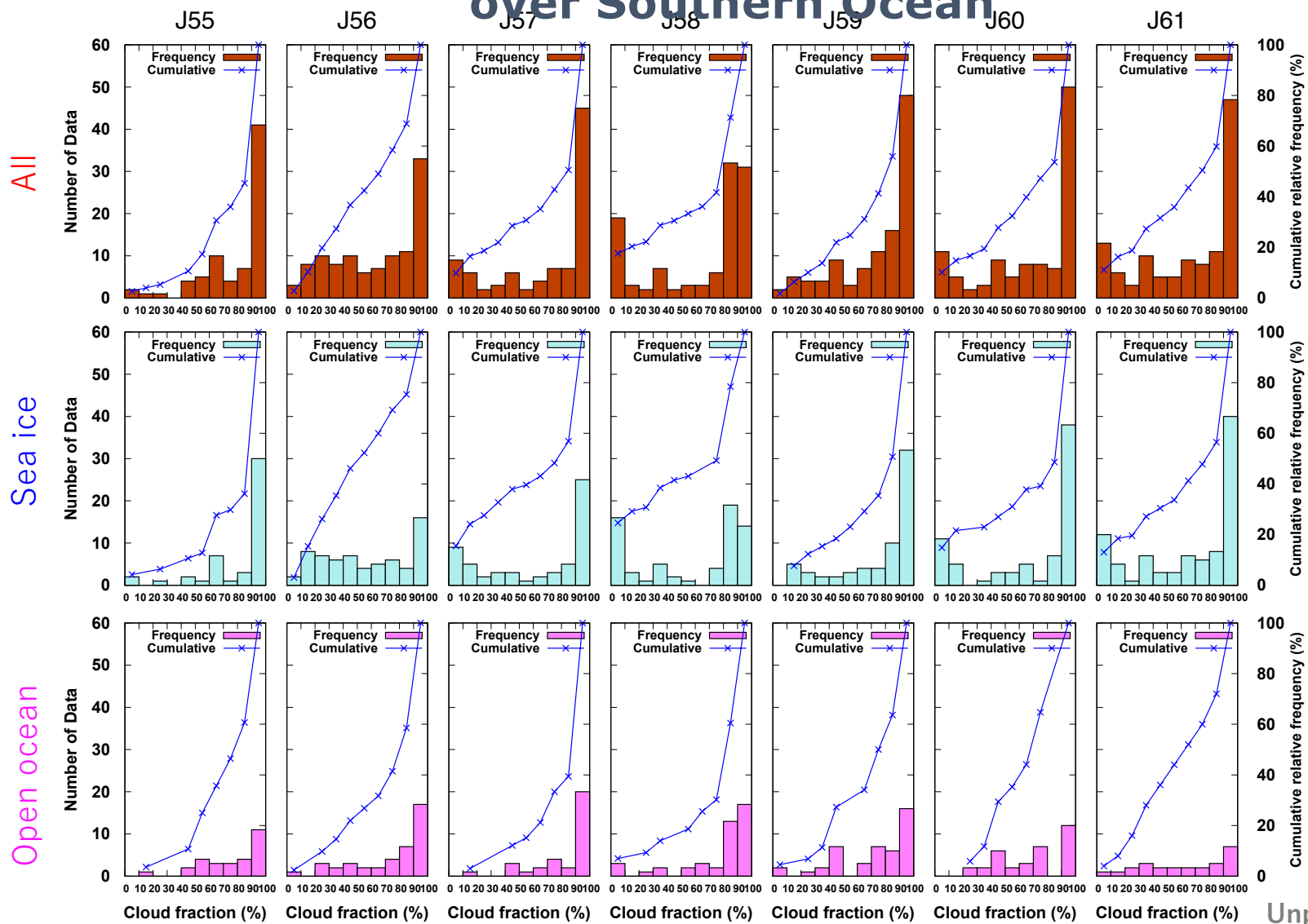
Unpublished figures

Daily-averaged cloud fraction from Whole-sky camera w/o EEZ



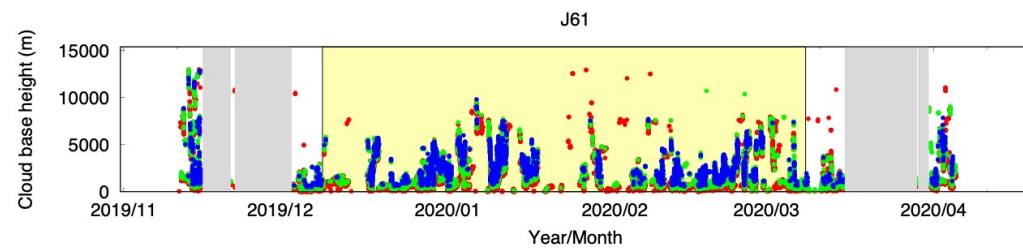
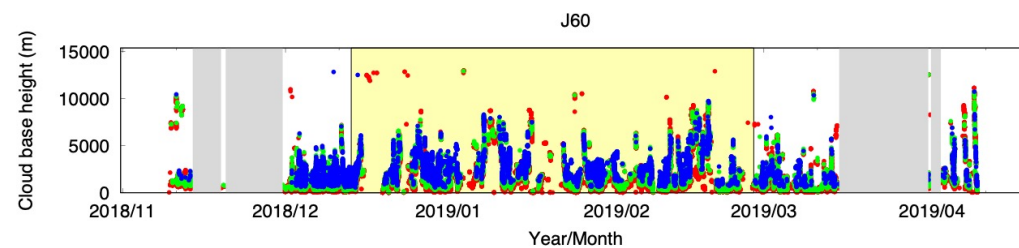
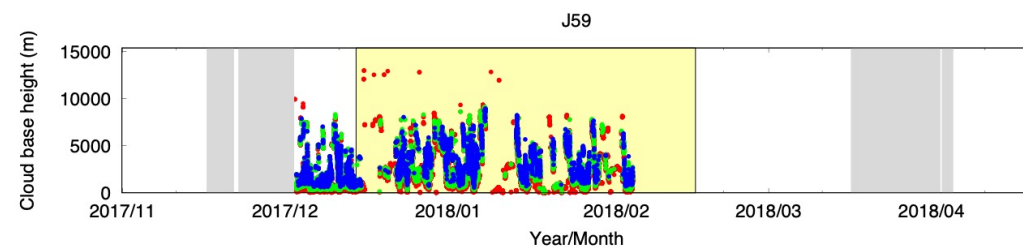
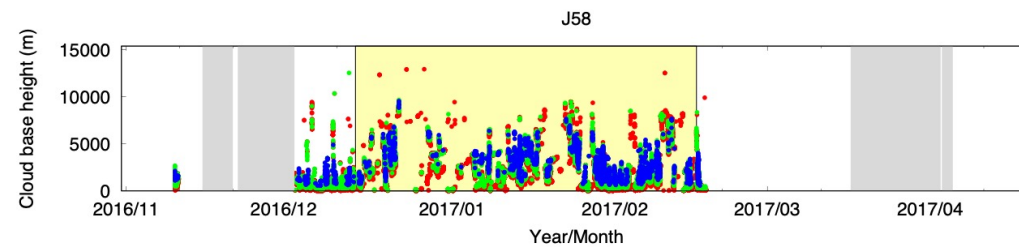
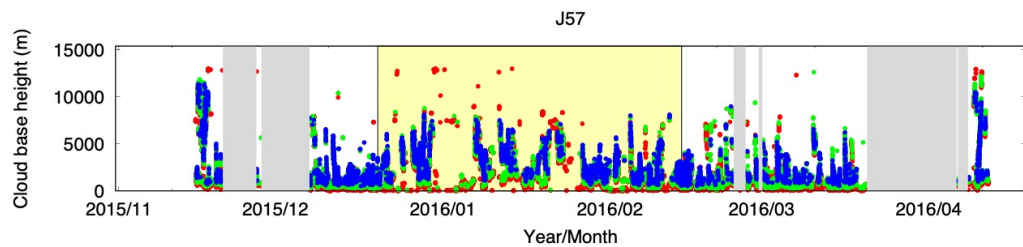
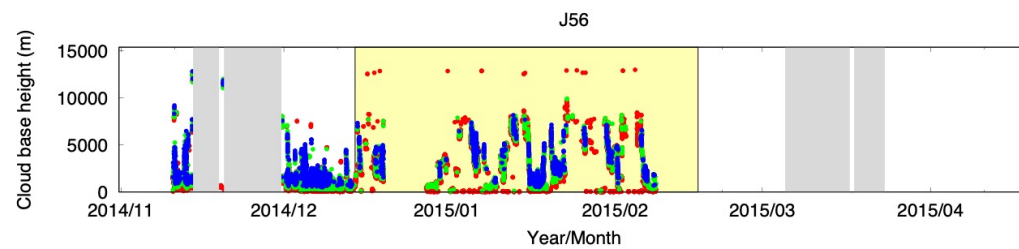
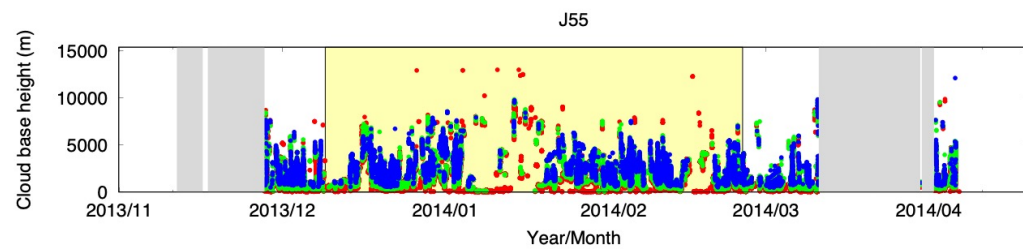
Unpublished figures

Frequency of daily-averaged cloud fraction w/o EEZ over Southern Ocean



Unpublished figures

Cloud base height from Ceilometer JARE 55-61

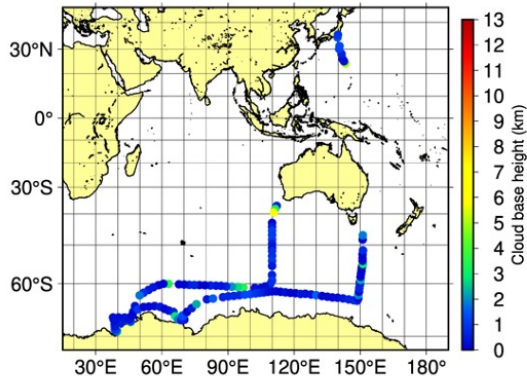


1st, 2nd, 3rd height, EEZ, Sea ice

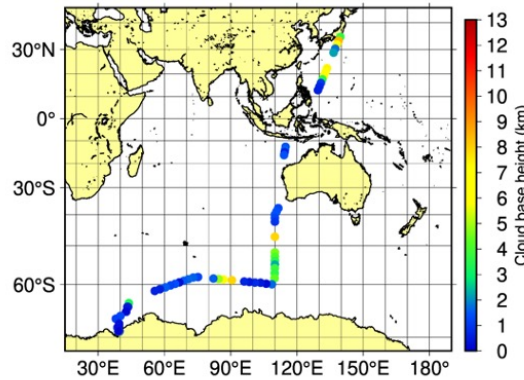
Unpublished figures

Cloud base height from Ceilometer JARE 55-61 w/o EEZ every 6 h; 1st height

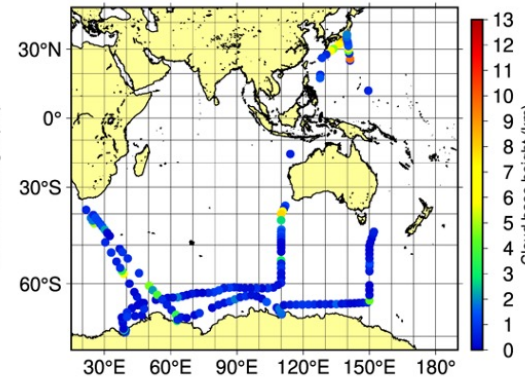
J55



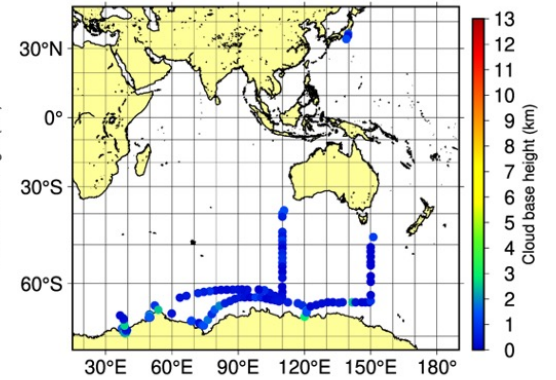
J56



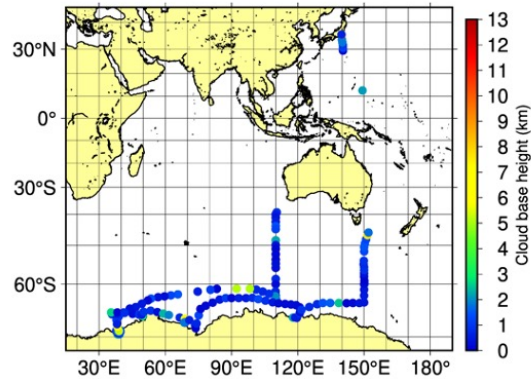
J57



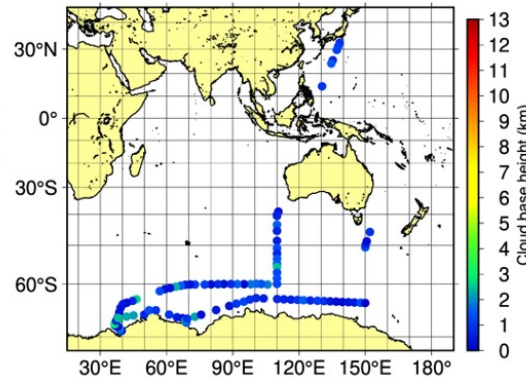
J58



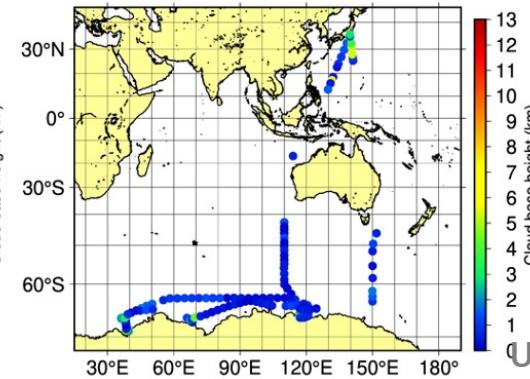
J59



J60

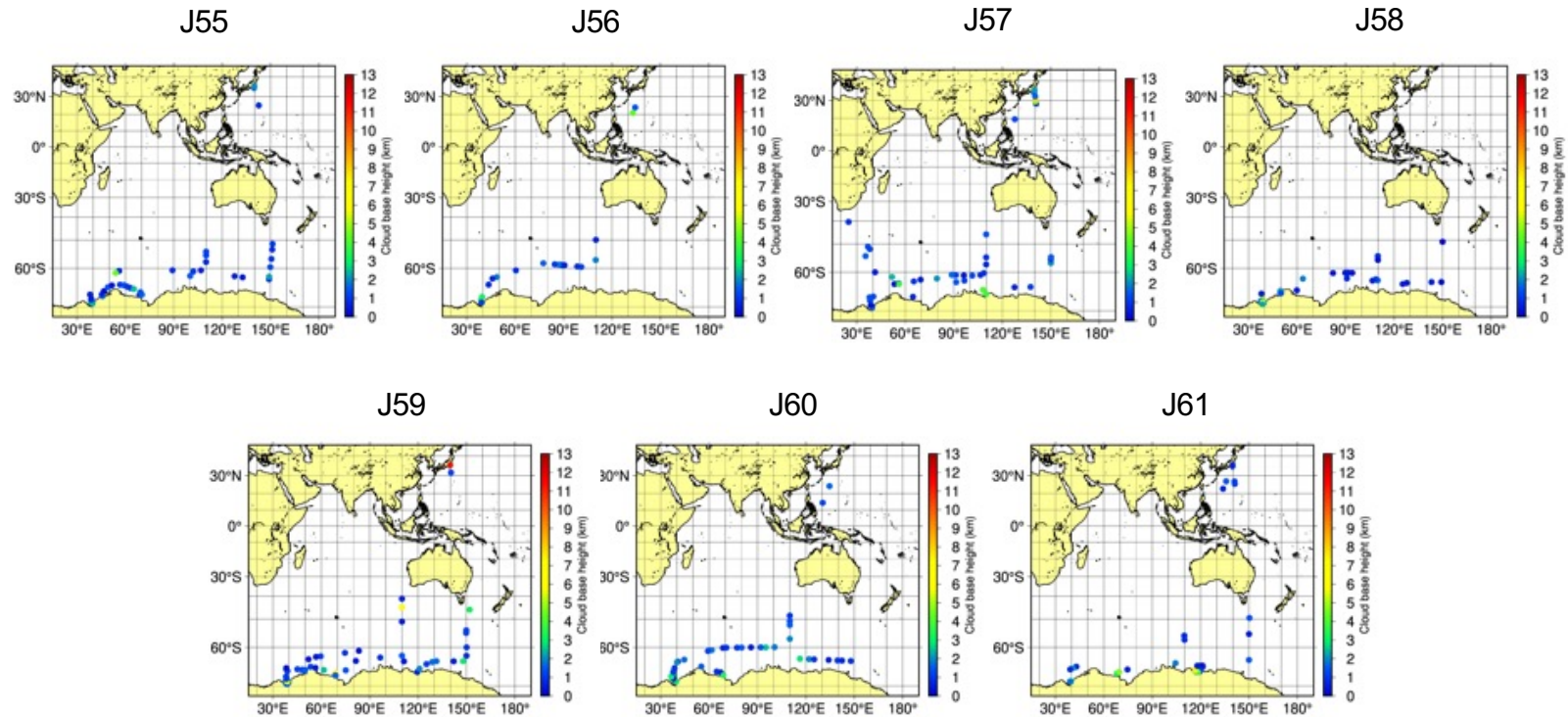


J61



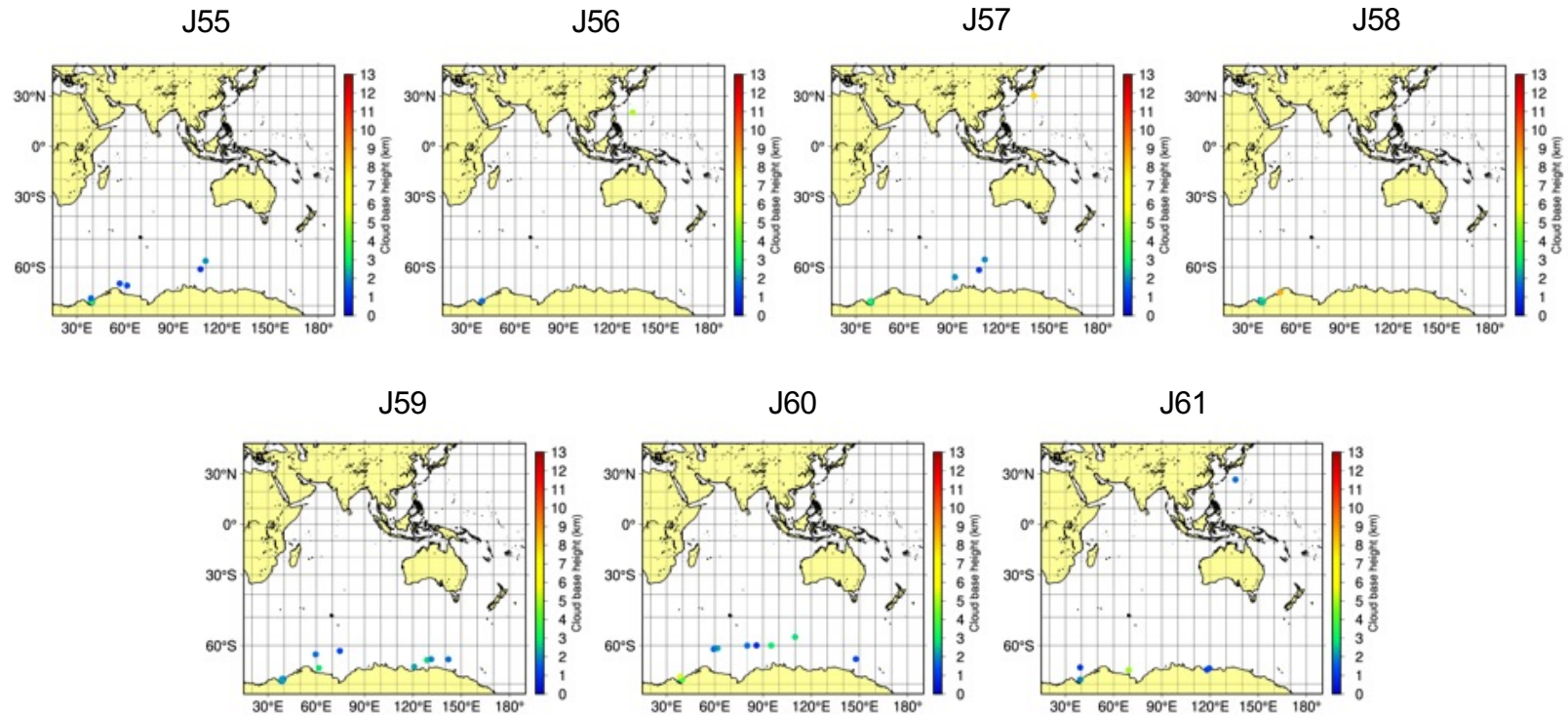
Unpublished figures

Cloud base height from Ceilometer JARE 55-61 w/o EEZ every 6 h; 2nd height



Unpublished figures

Cloud base height from Ceilometer JARE 55-61 w/o EEZ every 6 h; 3rd height



Unpublished figures

Frequency of cloud base height from Ceilometer JARE 55-61 w/o EEZ

J55

J56

J57

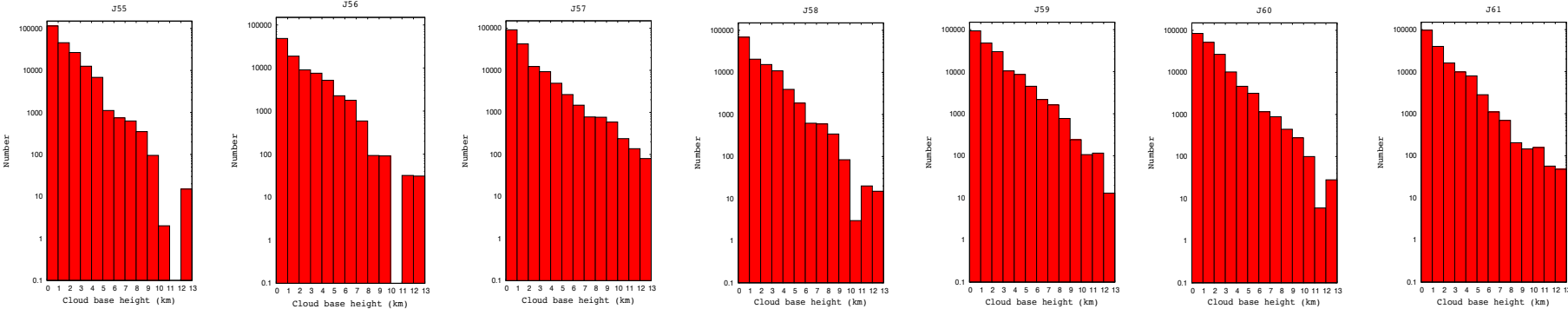
J58

J59

J60

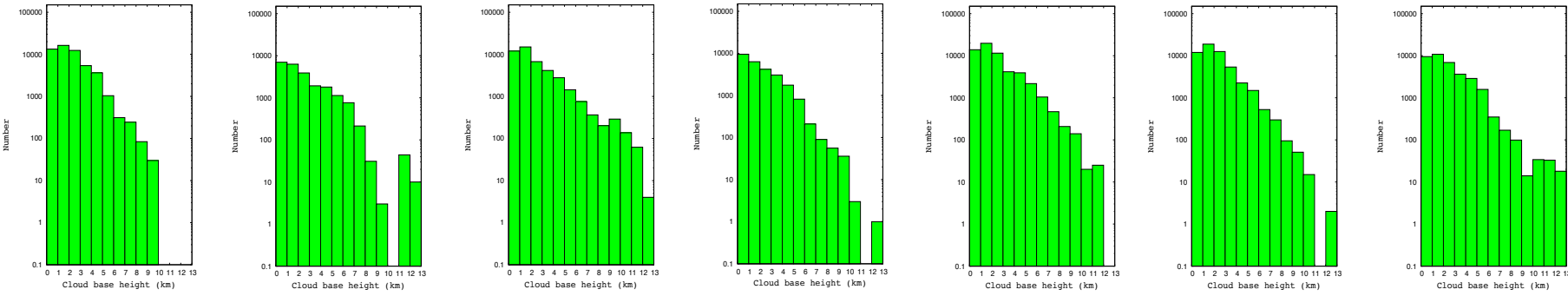
J61

1st

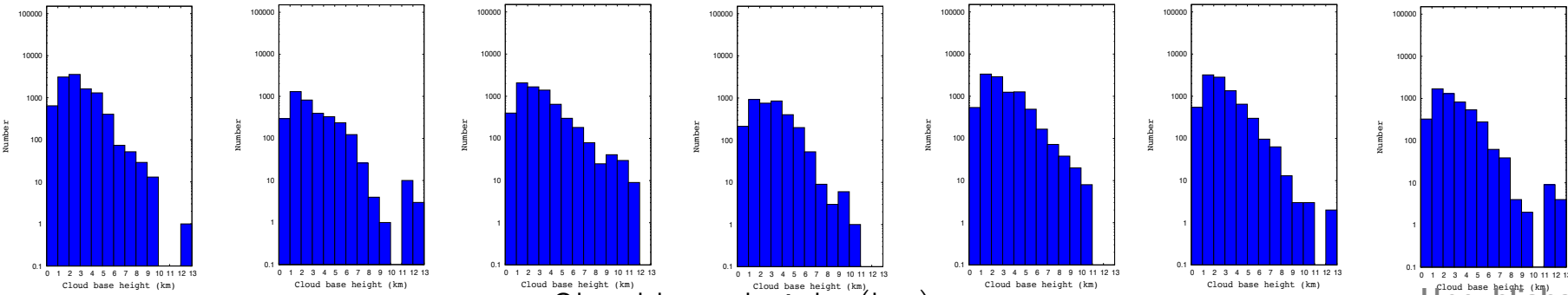


2nd

Number of data



3rd



Cloud base height (km)

Unpublished figures