



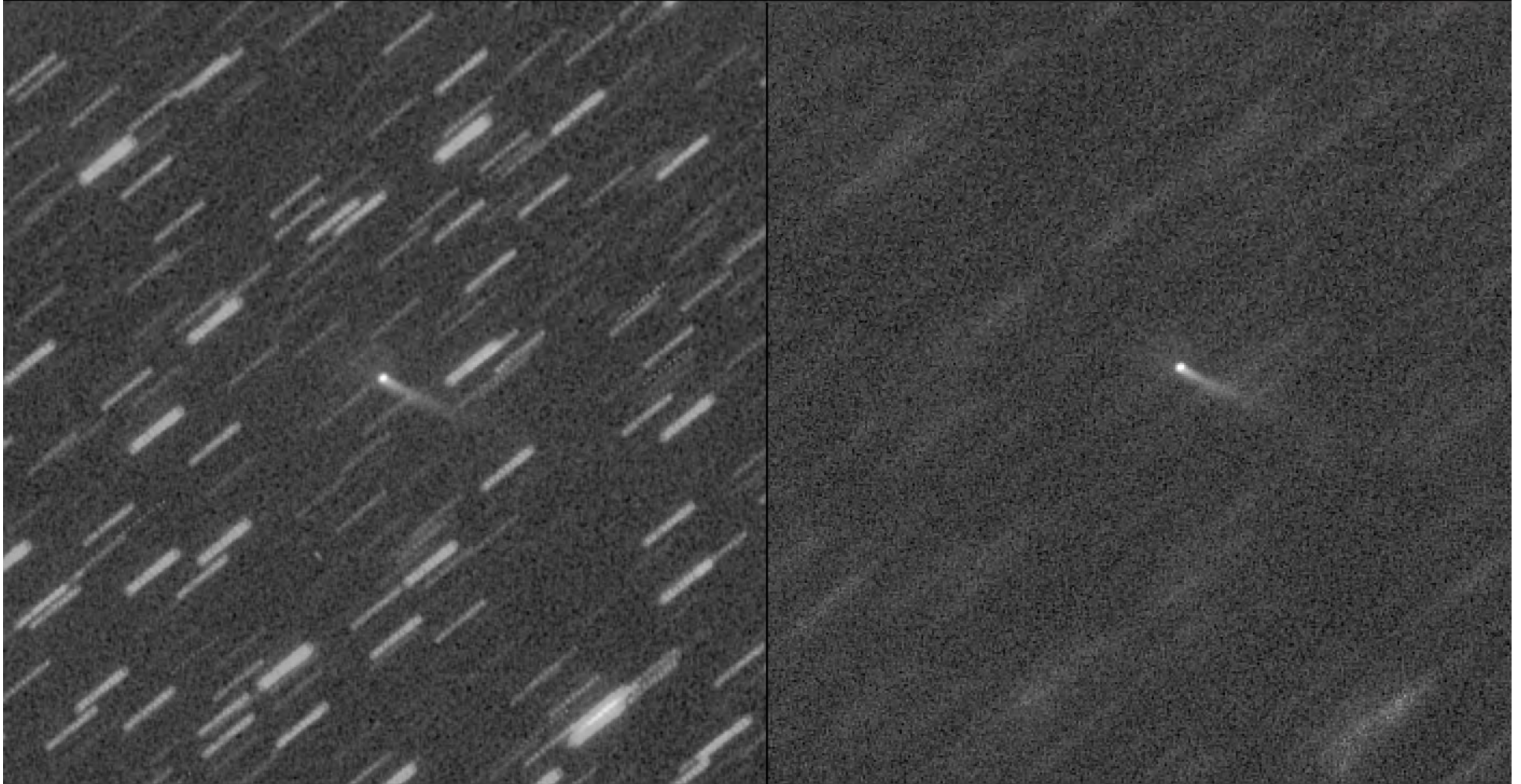
Astrograph 5.6"/2.9 SXV-H9

UT 2.38 10x130sec

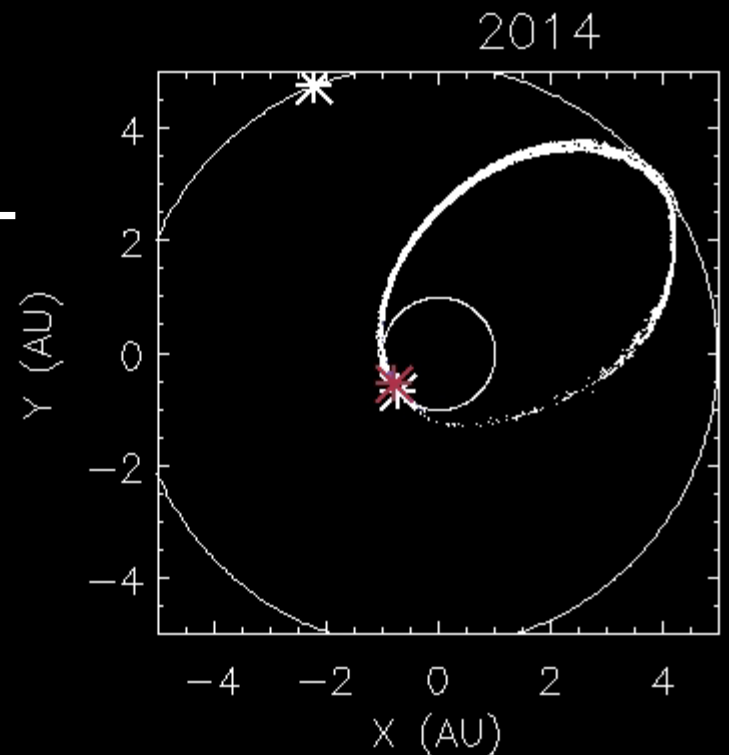
209P/LINEAR tail and antitail on 2009 april 25

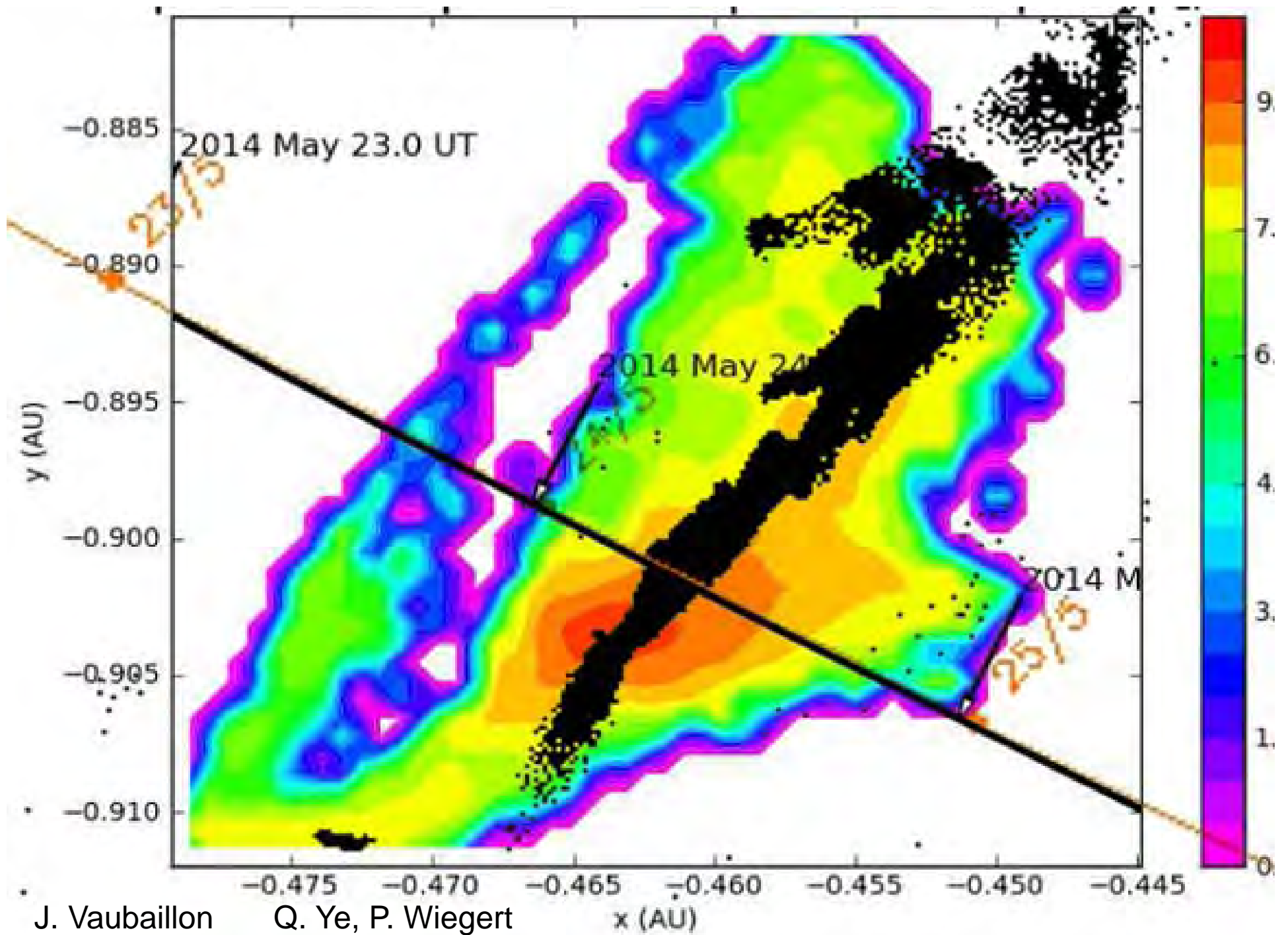
M.Jäger, Tivoli, Namibia

UT 2.27 19x130 median combine

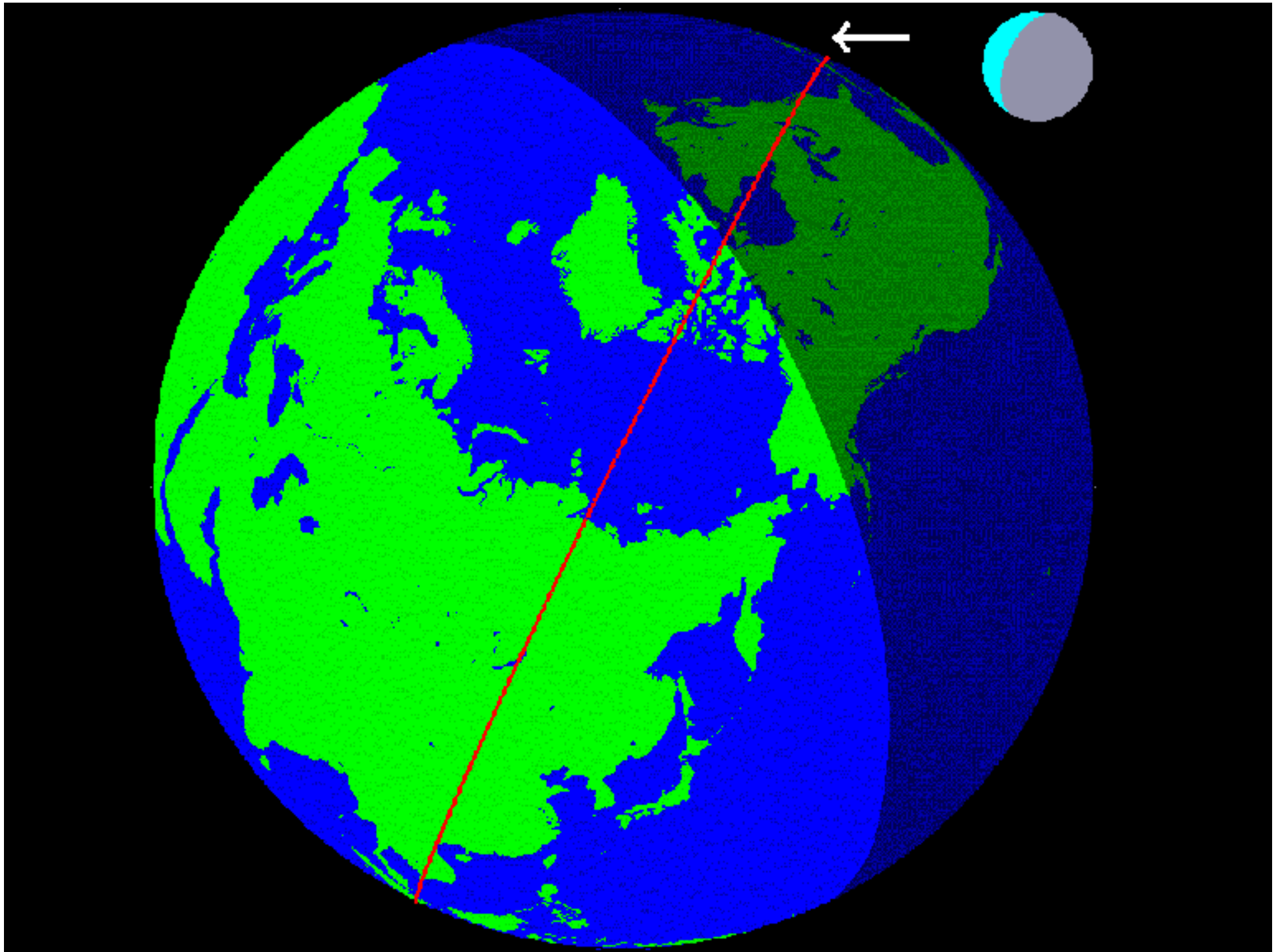


- P. Jeniskens (2006)
- E. Lyytinen 7:03UT
- P. Maslov 7:21UT
- J. Vaubaillon 7:40UT
- Q. Ye, P. Wiegert 6:29UT

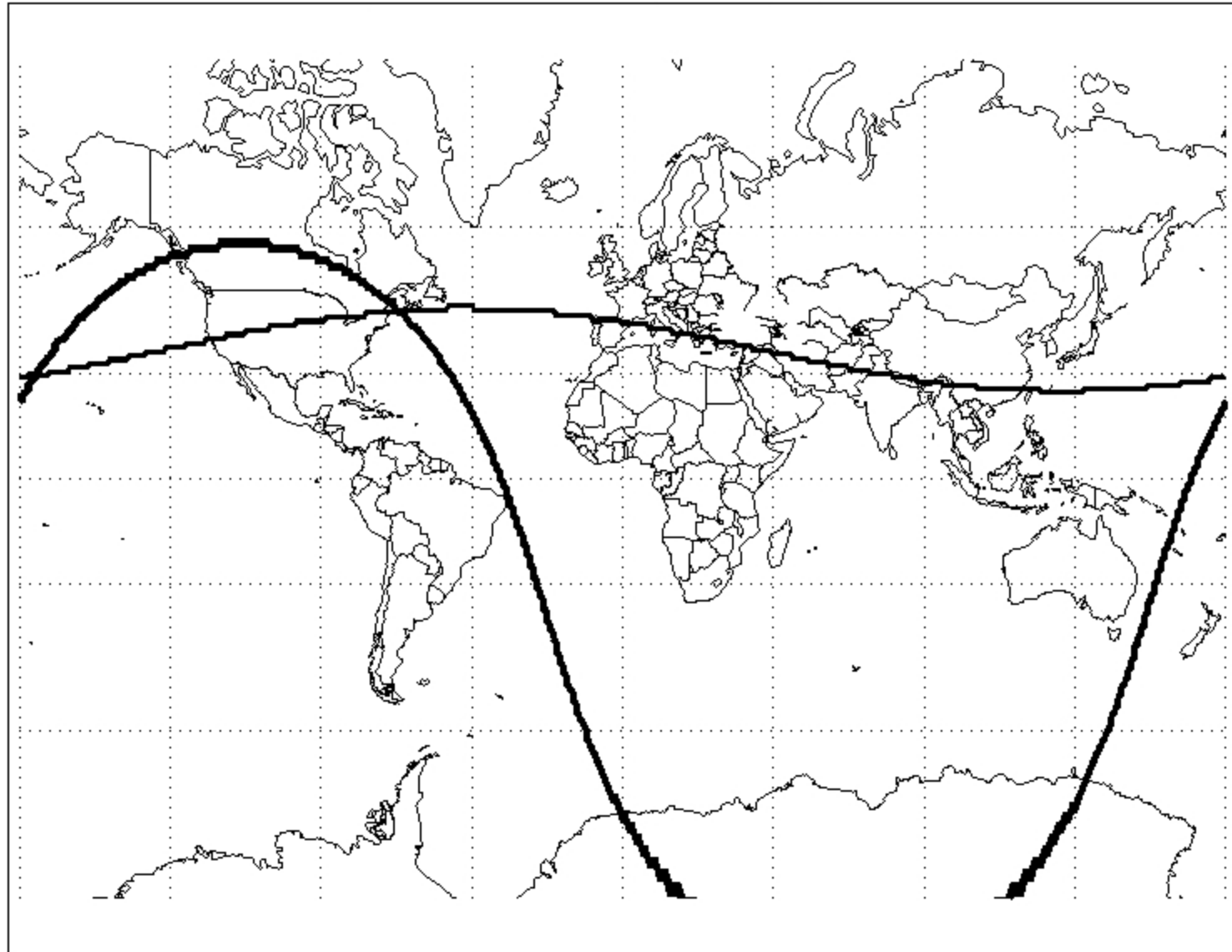




J. Vaubaillon Q. Ye, P. Wiegert

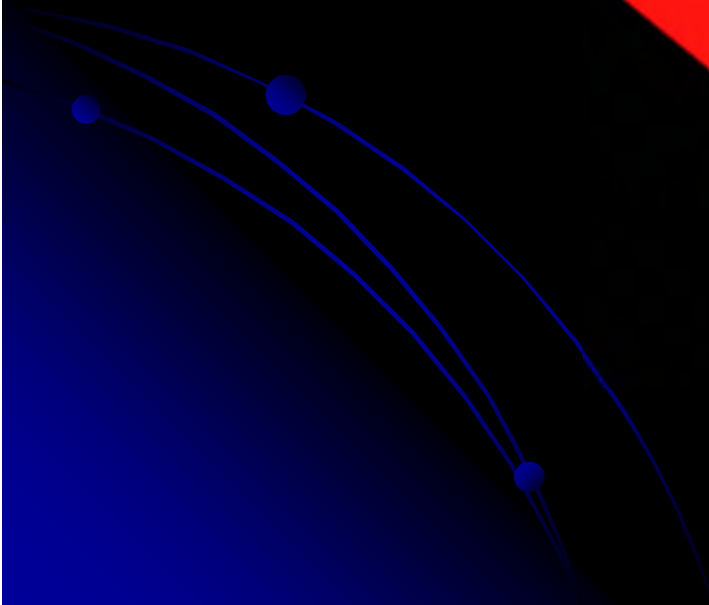


Sun < -12 degrees and radiant > 35 degrees on 24/5/2014 at 7h30min UT

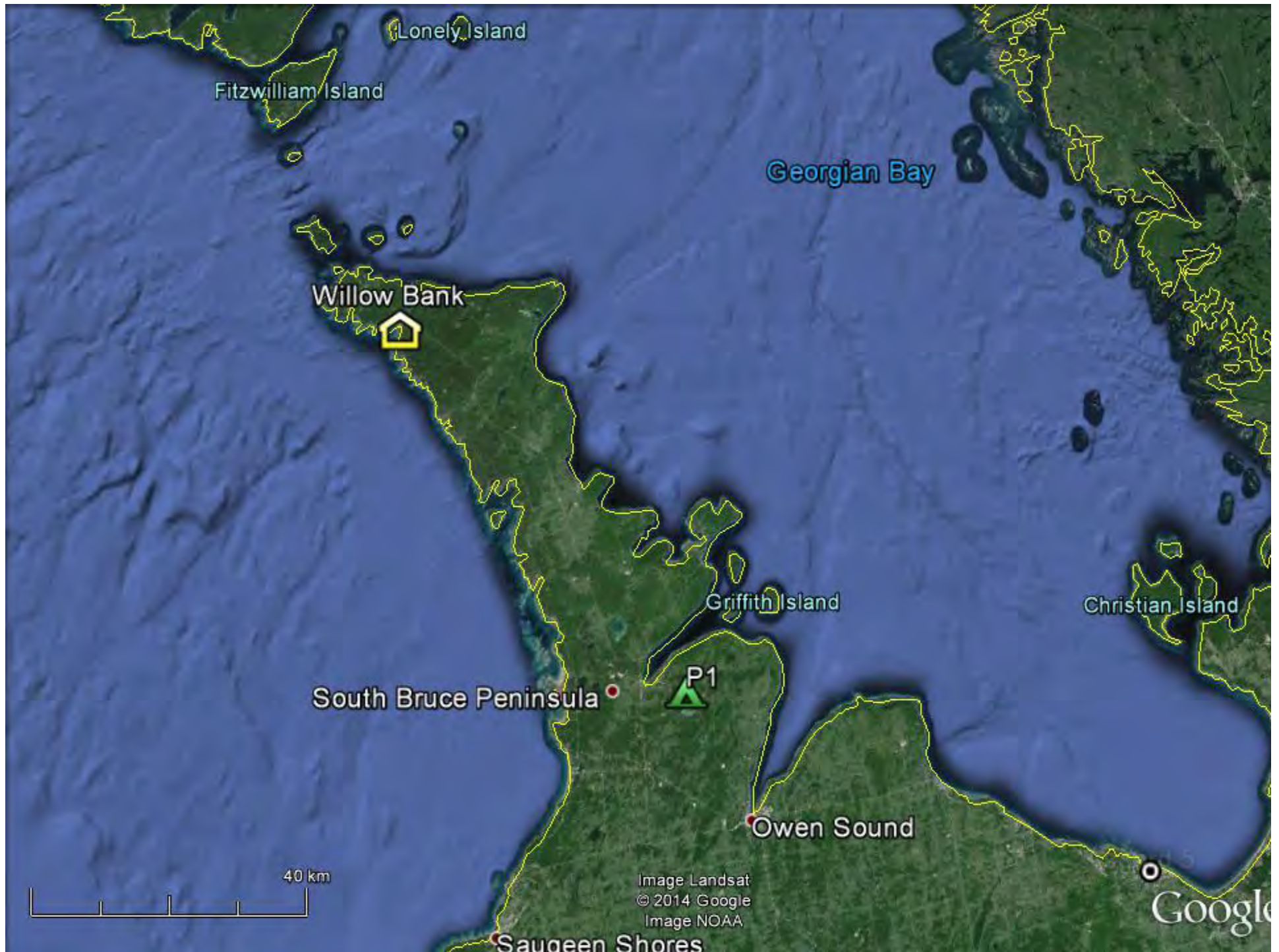


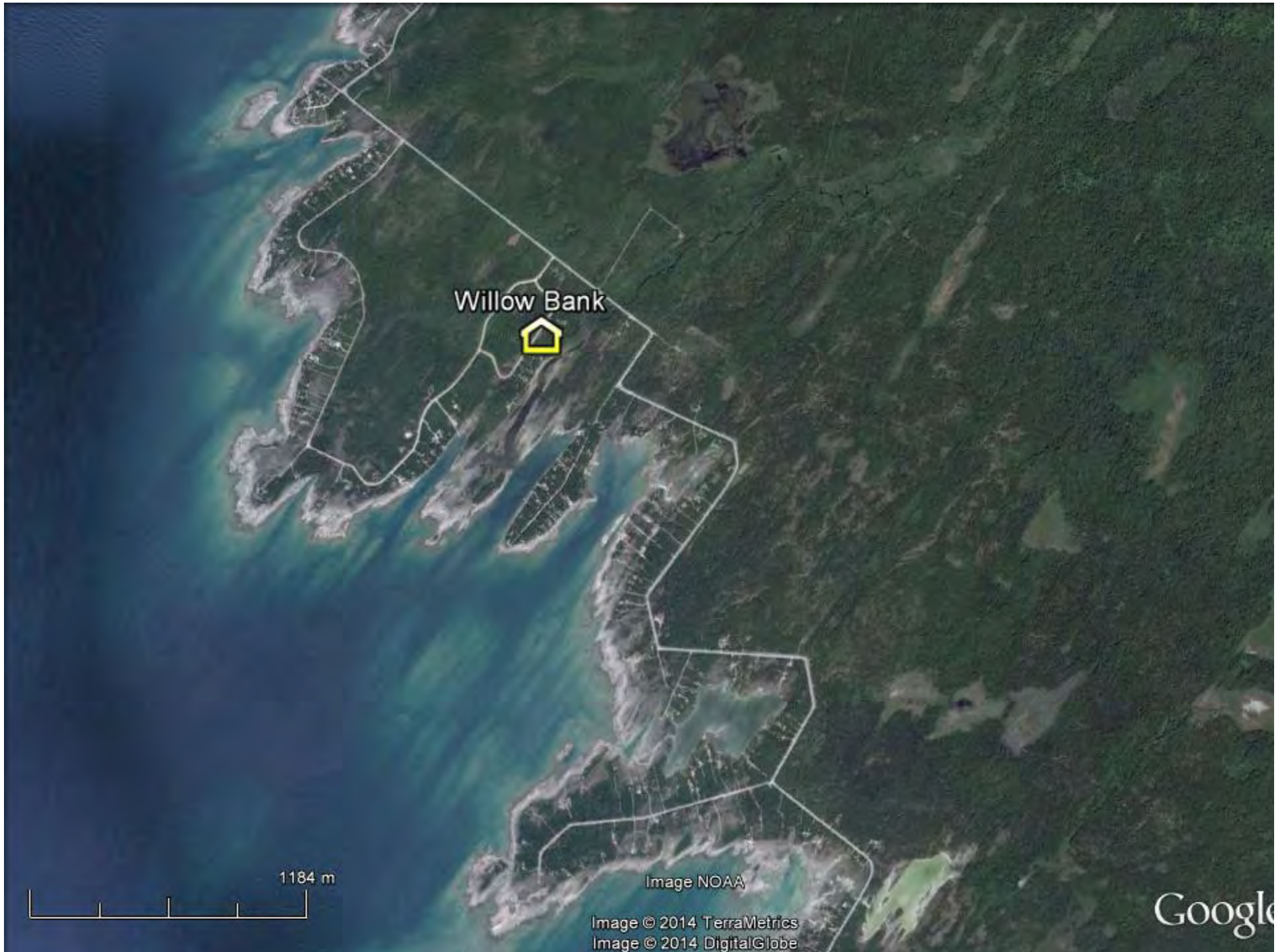
B. Berard

CANADA









Willow Bank



1184 m

Image NOAA

Image © 2014 TerraMetrics
Image © 2014 DigitalGlobe

Google



177 m

Willow Bank

Google

Image © 2014 DigitalGlobe

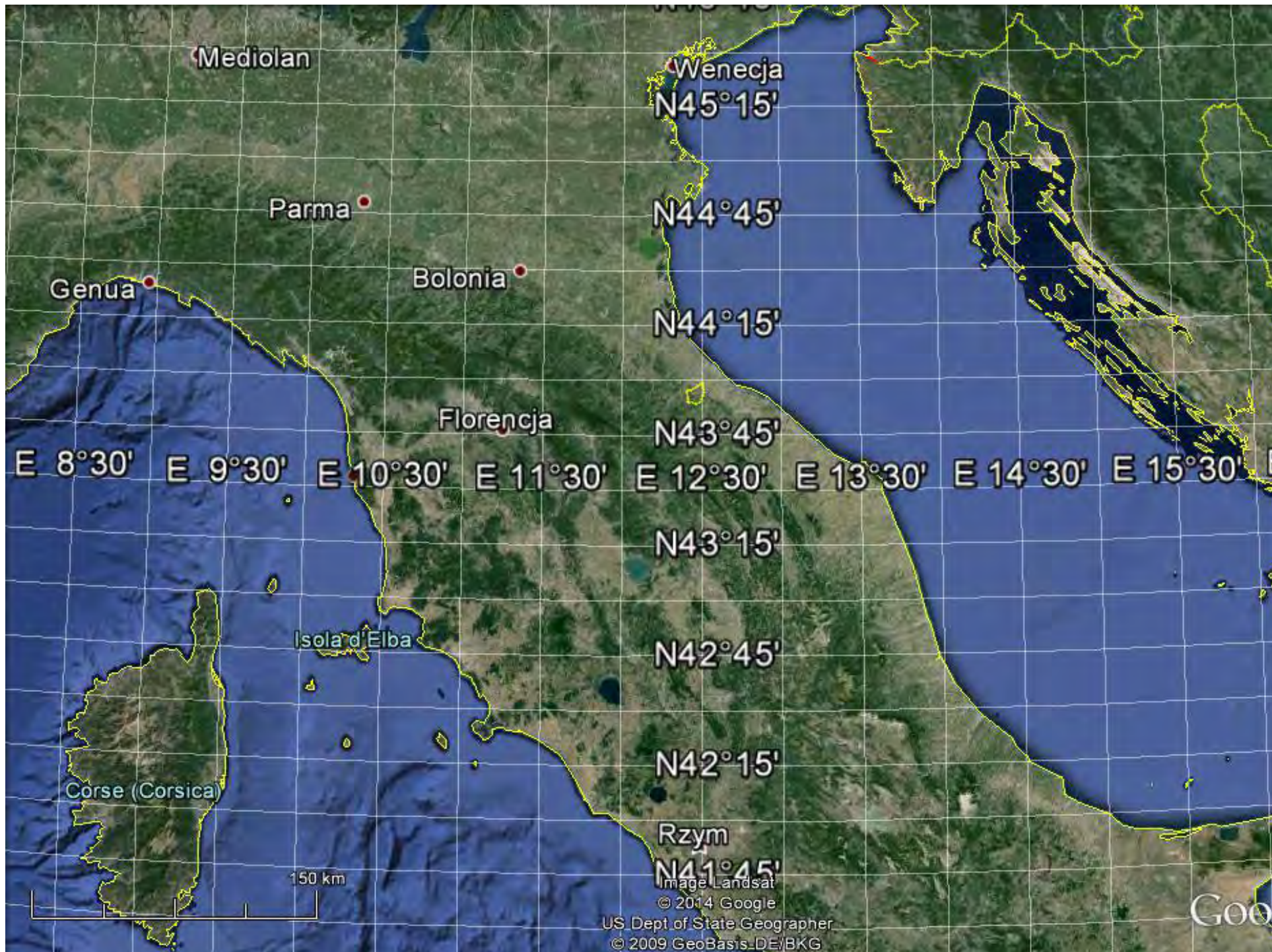


Willow Bank

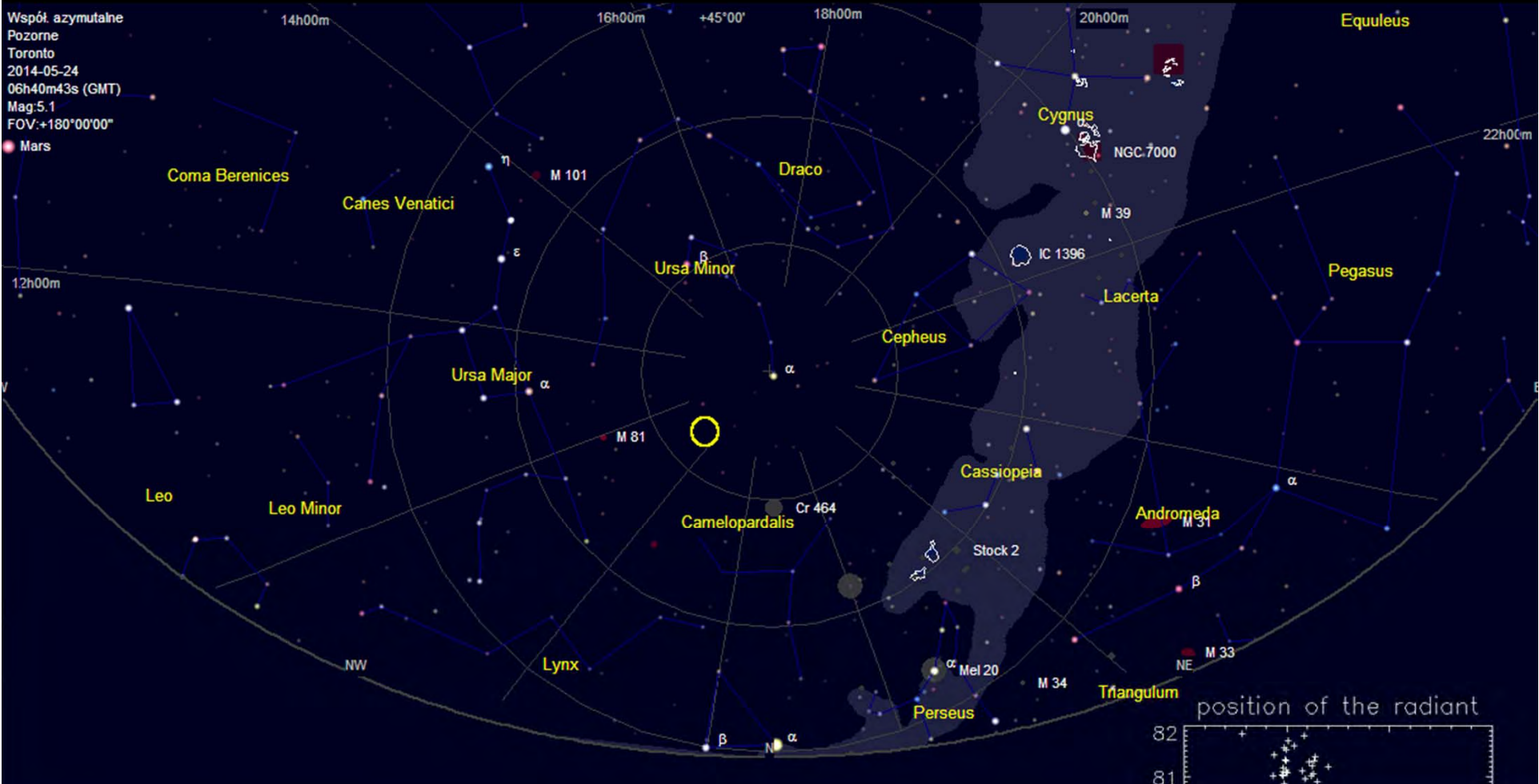


Willow Bank

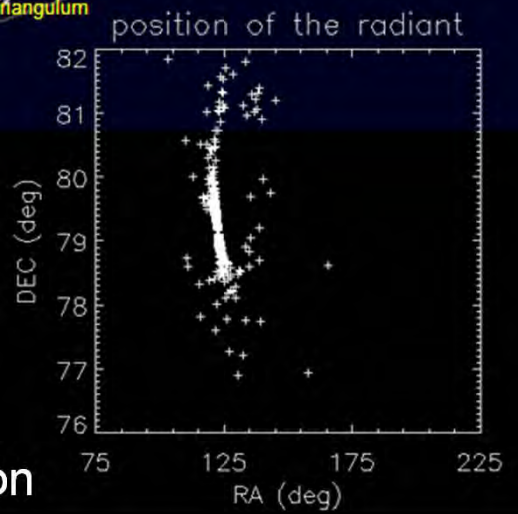




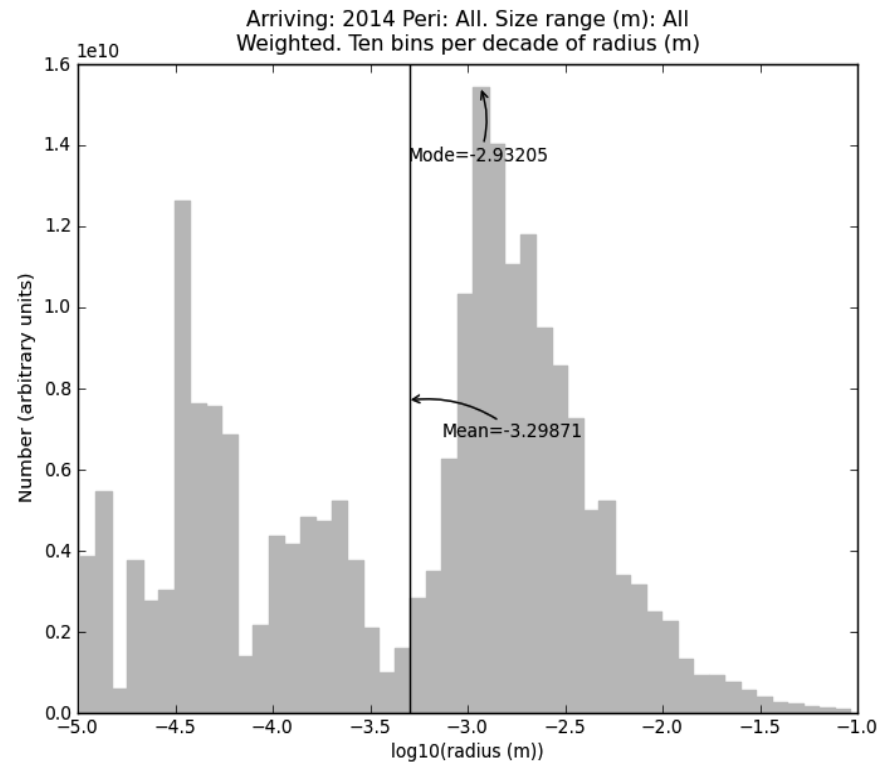
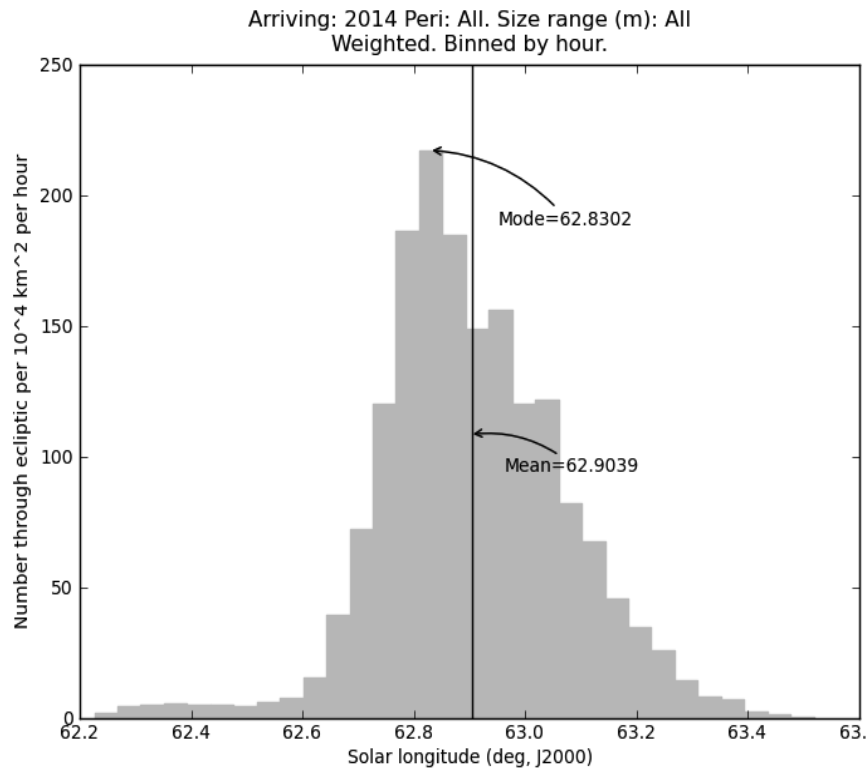
Współ. azymutalne
 Pozorne
 Toronto
 2014-05-24
 06h40m43s (GMT)
 Mag:5.1
 FOV:+180°00'00"



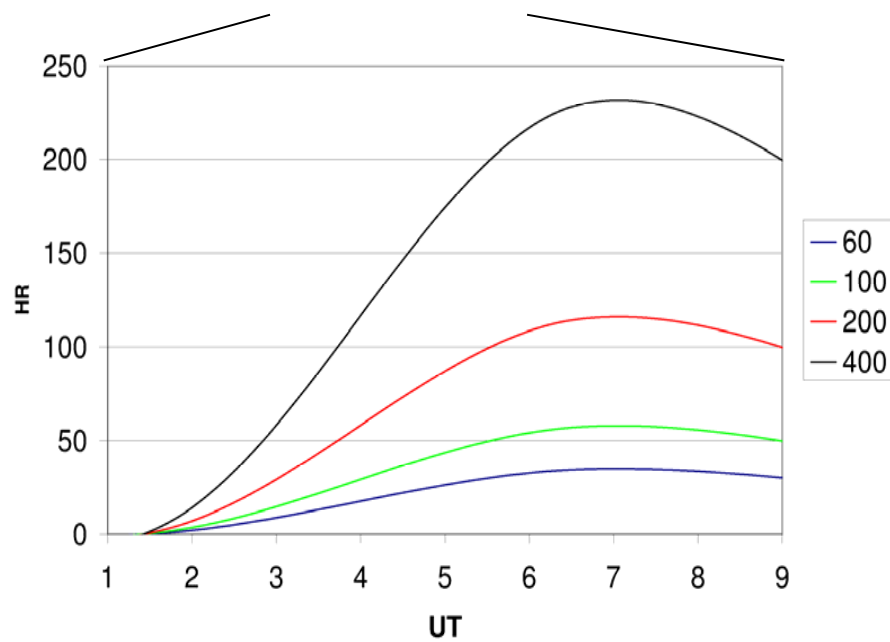
$$\sin(35^\circ) = 0.57$$

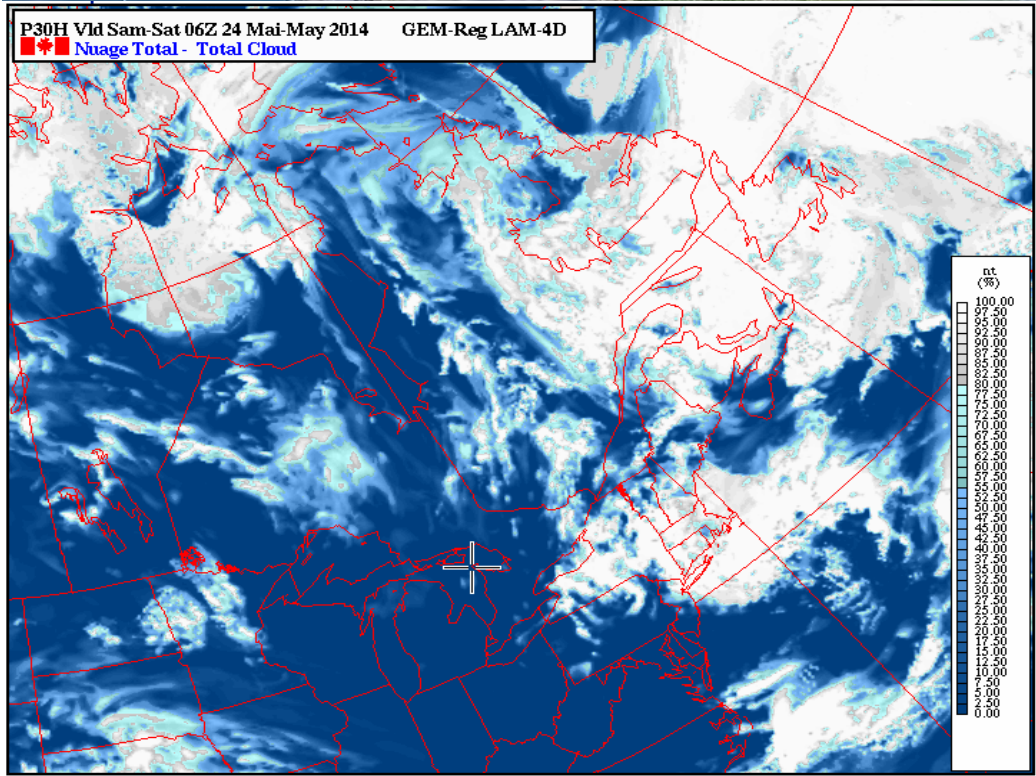
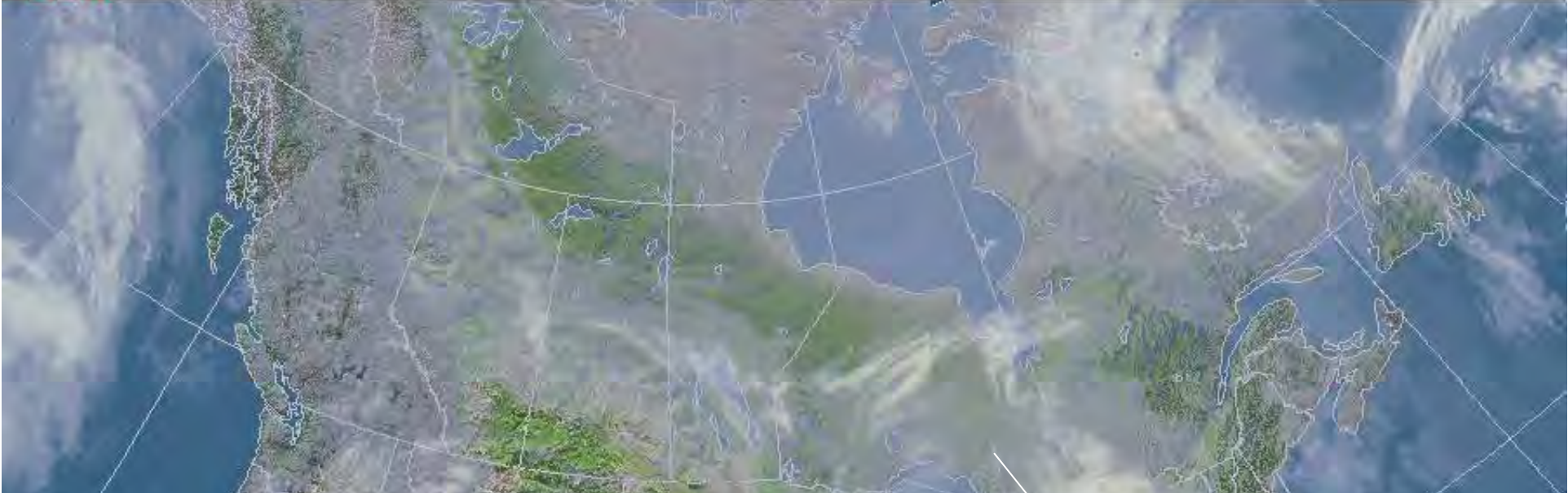


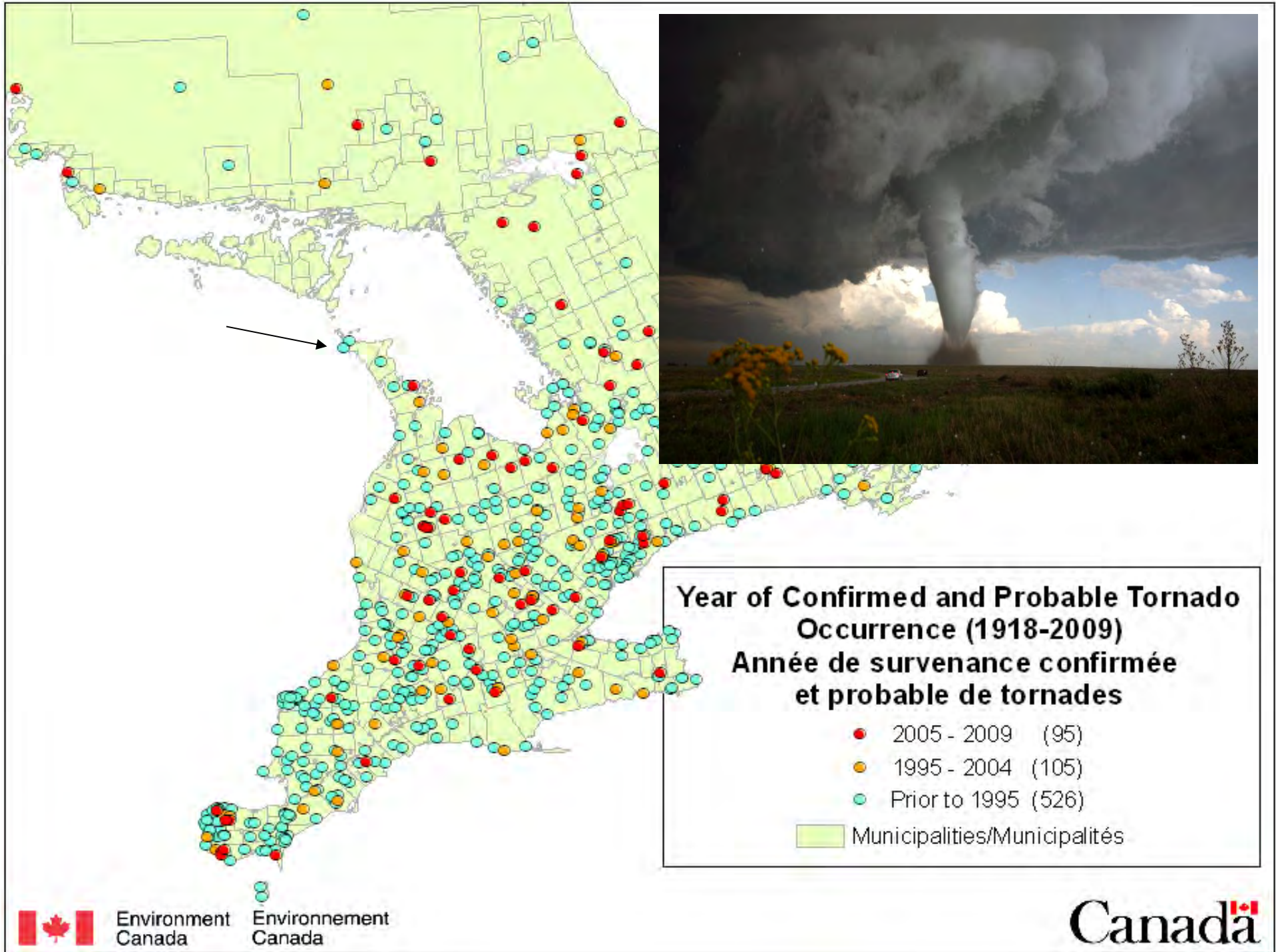
J. Vaubillon

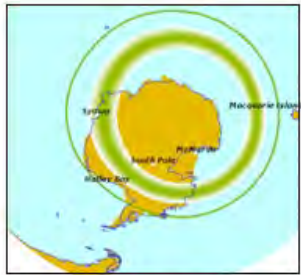
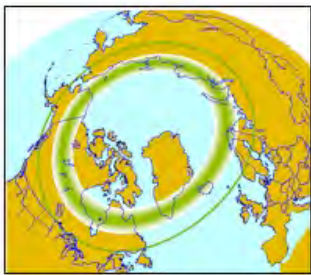


Q. Ye, P. Wiegert







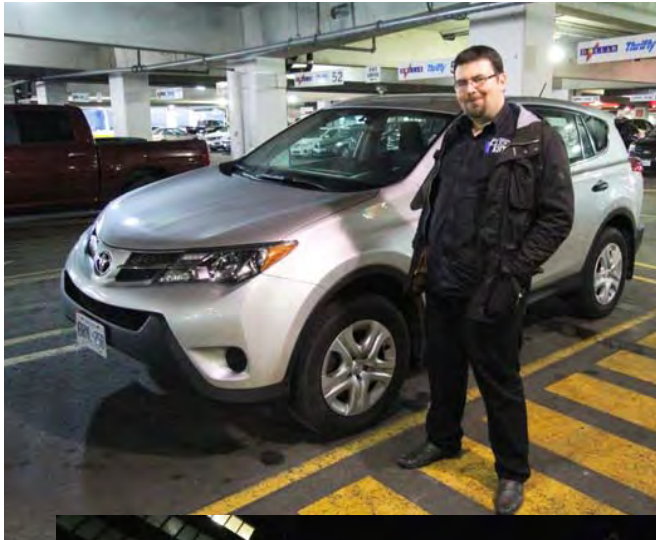


Figures showing the locus of overhead midnight auroral occurrence (green band), and the latitudes where the aurora will be seen in the poleward sky (inside the green line).

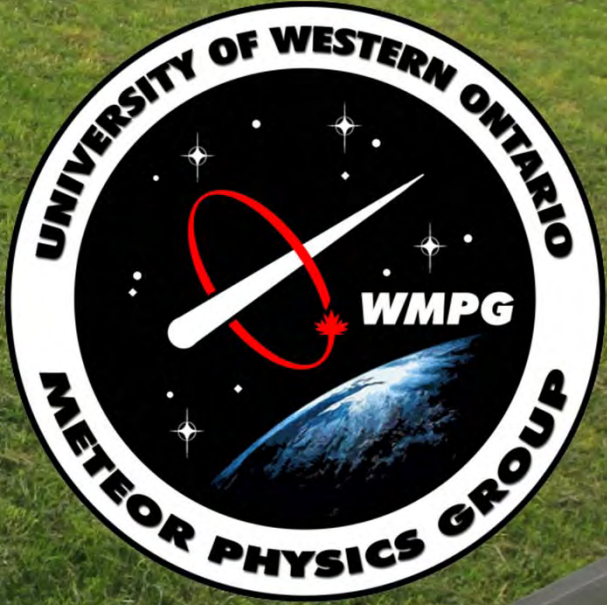








- 18-19.05 Warszawa -> Toronto -> London
- 20.05 Visit at UWO, London -> Willow Bank
- 21-23.05 preparation
- 23/24.05 maximum
- 25-26.05 Willow Bank -> Toronto -> Warsaw



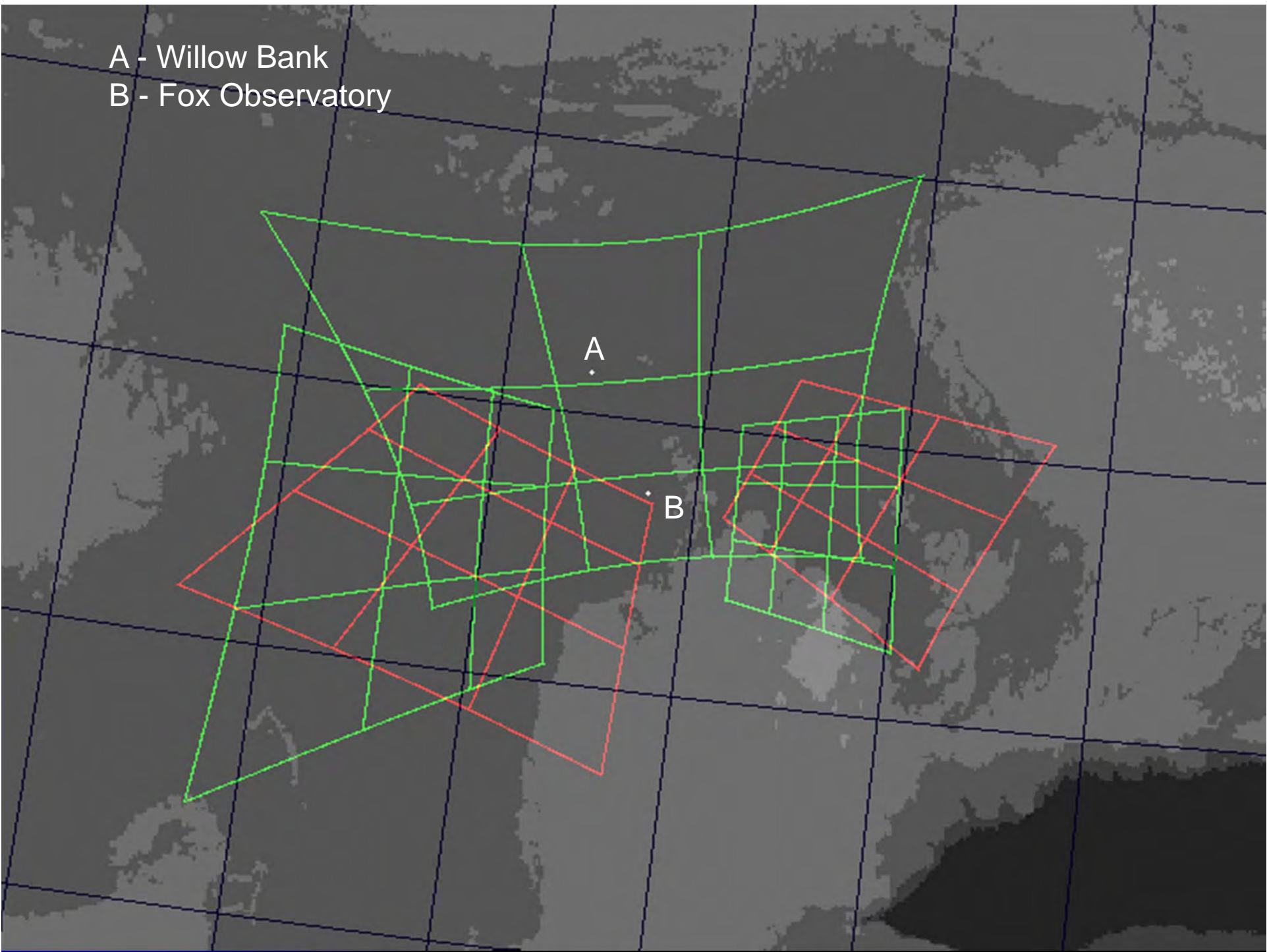


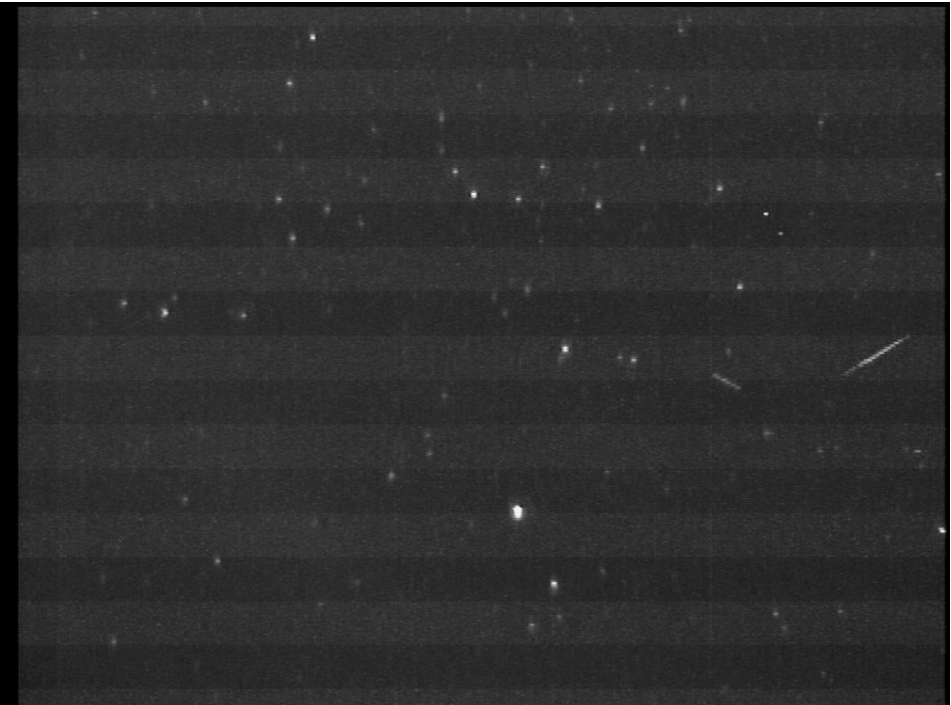
Willow Bank



Camera2	Lens	Loc	Met	CAM
MINTRON 12V6	Panasonic 0.75/6mm	A	44	7
MINTRON 12V6	Computar 0.8/6mm	B	36	5
MINTRON 12V6	Tokina 1.3/8mm	B	12	4
WATEC Ultimate	Panasonic 0.75/9mm	A	17	2
WATEC Ultimate	Computar 0.8/3.8mm	B	16	2
ZWO ASI120MM	Fujinon 1.4/1.8mm	A	29	12
PointGrey	Tamron 1.0/3-8mm (Spectra)	A	20	3
TAYAMA	Ernitec 1.2/8mm (Spectra)	A	0	0
TAYAMA	Ernitec 1.2/8mm	B	-	-
Canon 550D	Canon 3.5/10-20mm	B	1	0
Canon 1000D	Porst 1.8/35mm (Spectra)	A	0	0
Canon 1000D	Danubia 2.8/35mm (Spectra)	A	0	0
TOTAL			174	32
Orbits			15	5 (2)

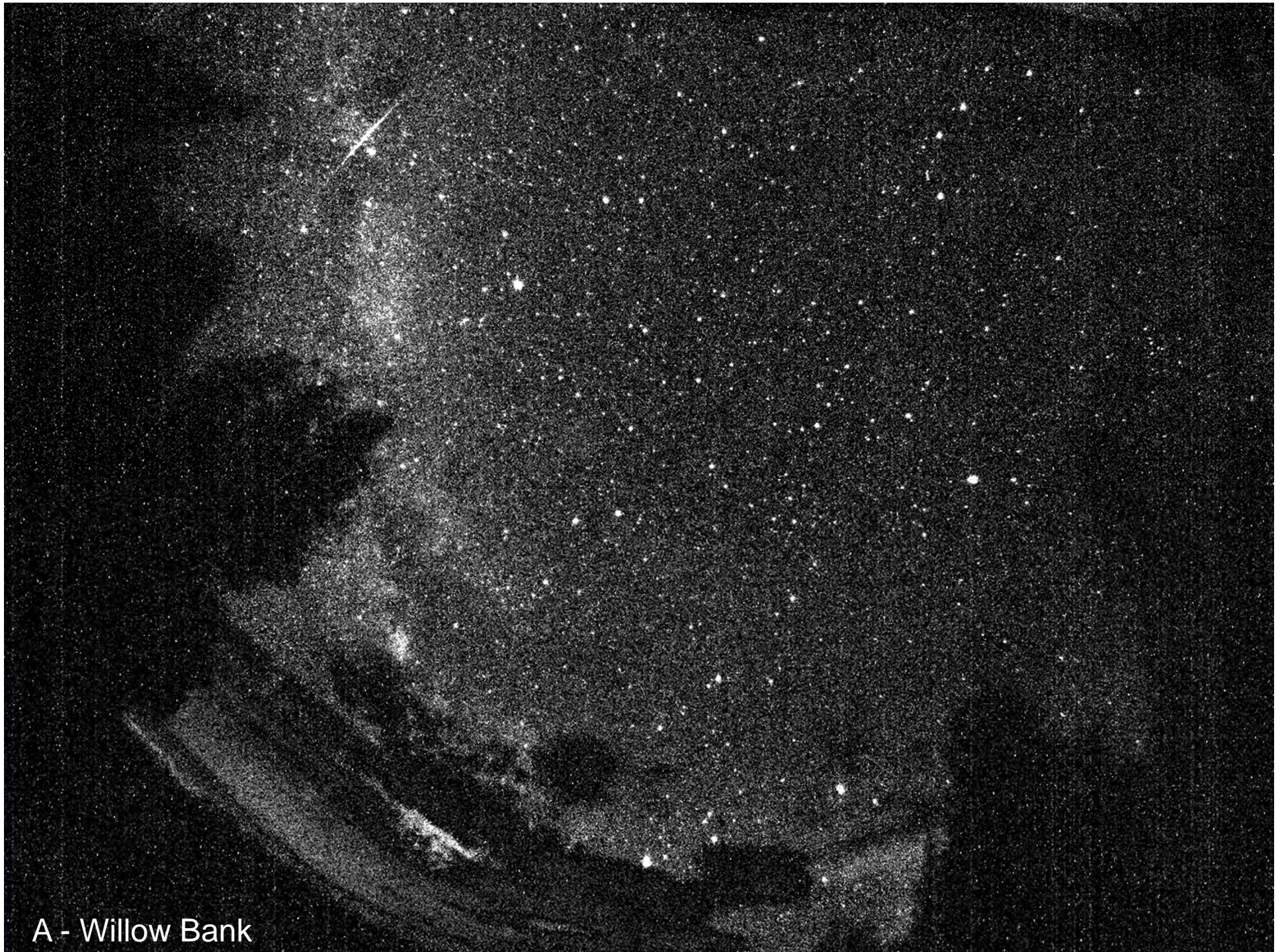
A - Willow Bank
B - Fox Observatory



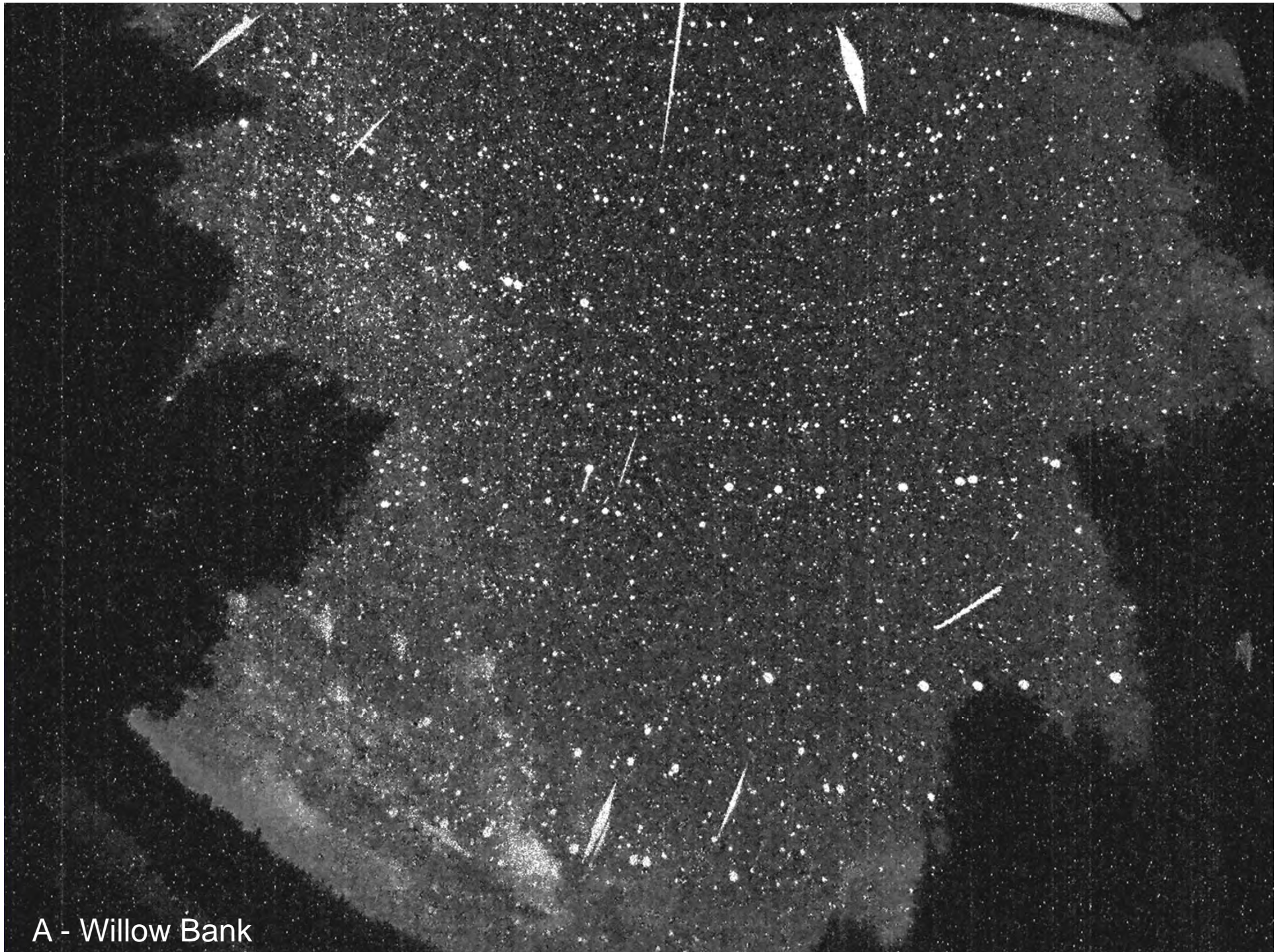


A - Willow Bank

B - Fox Observatory



A - Willow Bank



A - Willow Bank



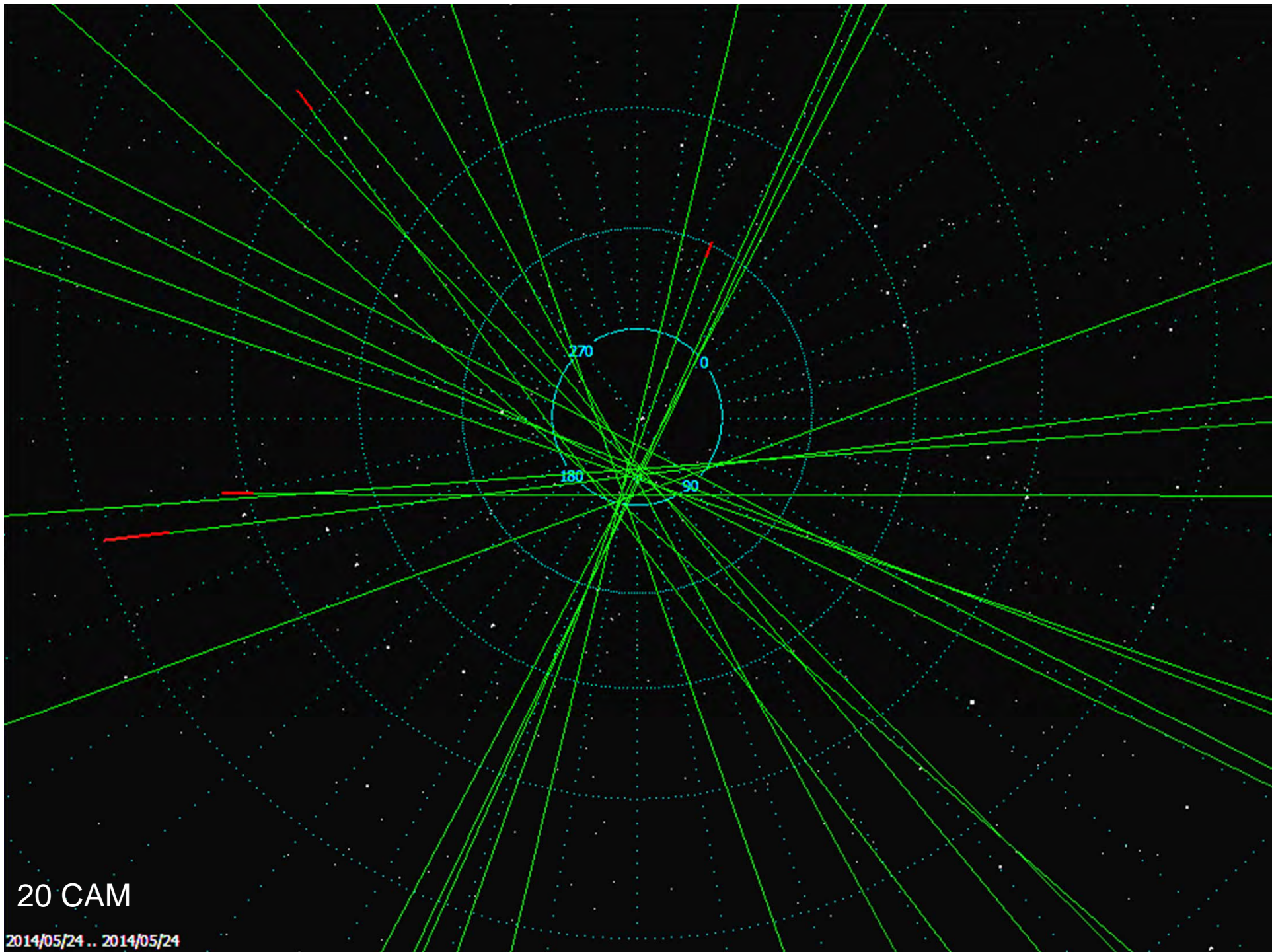
B - Fox Observatory



B - Fox Observatory

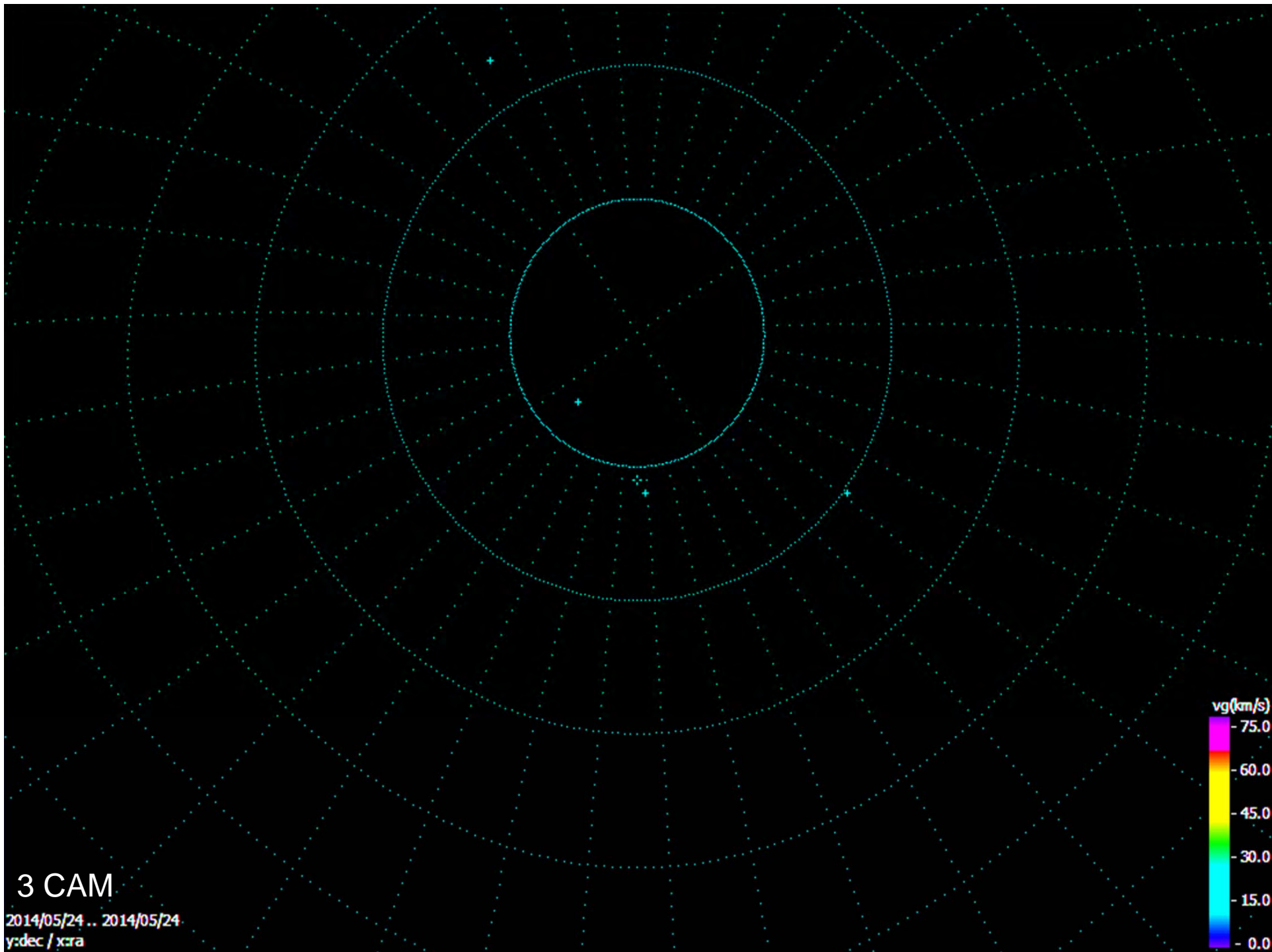


B - Fox Observatory



20 CAM

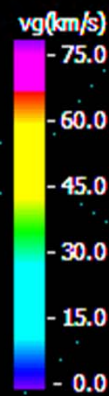
2014/05/24 .. 2014/05/24



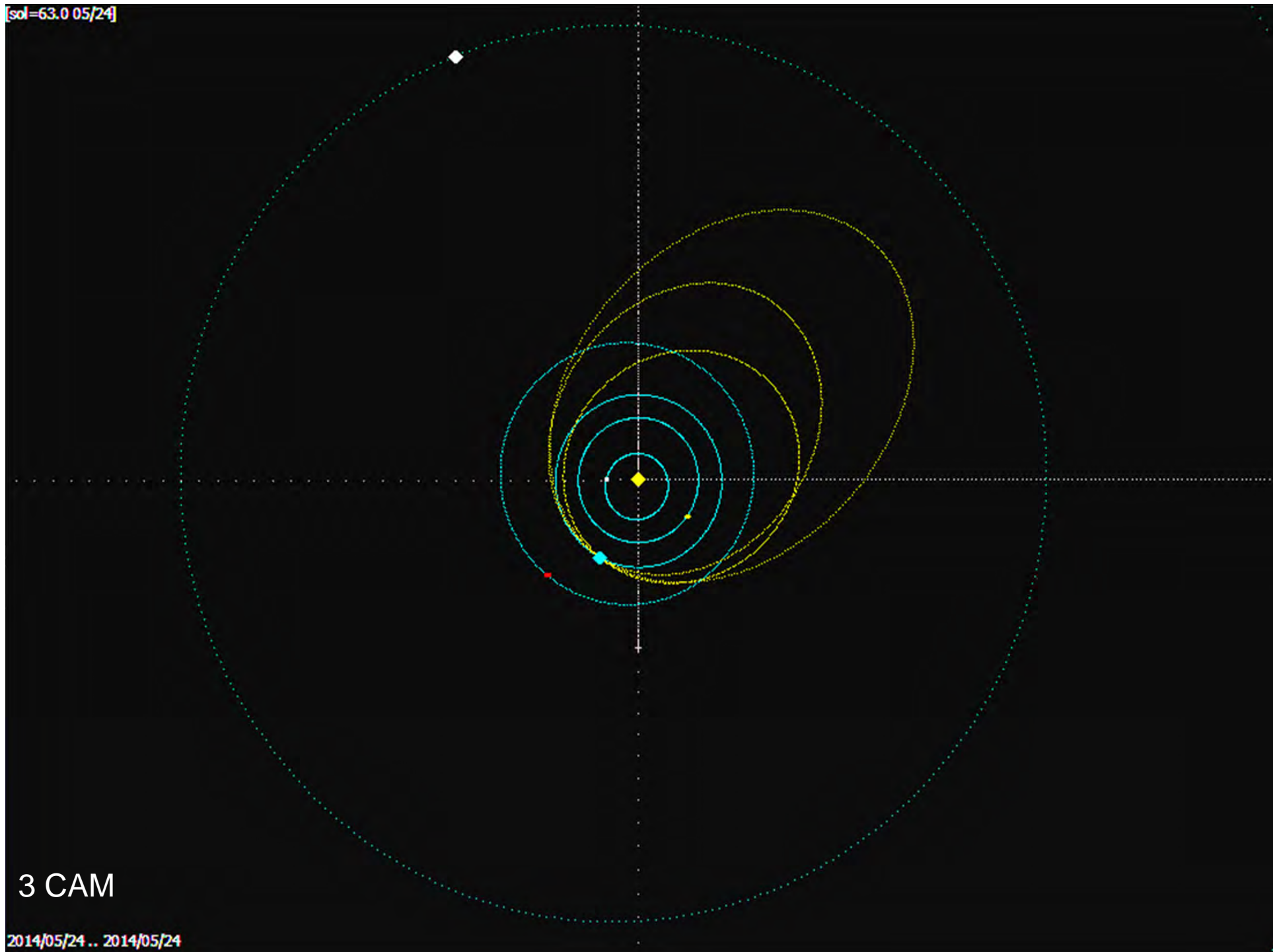
3 CAM

2014/05/24 .. 2014/05/24

y:dec / x:ra



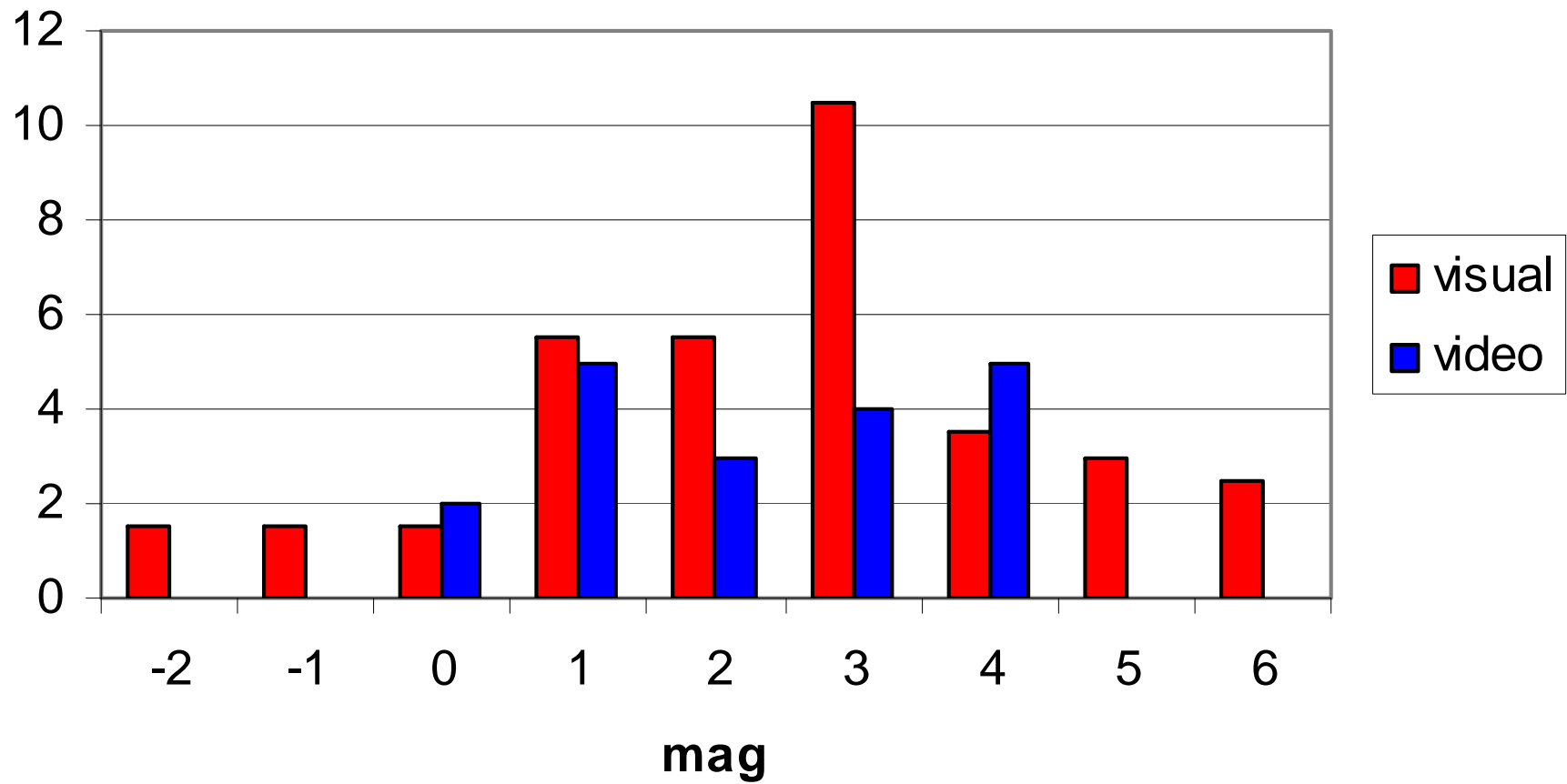
[sol=63.0 05/24]



3 CAM

2014/05/24 .. 2014/05/24

CAM dirtibution



Visual : 33 CAM

Video : 20 CAM



10 years of Polish Fireball Network!



This work was supported by
the National Science Center
(decision No. DEC-2013/09/B/ST9/02168)

