



Space Weather Developments

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Space Weather in UK

- Past
 - limited recognition of space weather impacts
 - Little collaboration between academia, service providers and users
- Present
 - Risk to UK infrastructure being assessed by Government
 - Science community identifying knowledge & capability gaps





UK / US

- Following Pres. Obama and PM Cameron joint statements, UK/US workshops identifying
 - Research goals and roadmaps (Oct'11)
 - Infrastructure requirements (Apr'12)
 - Policy issues (June'12)
- Met Office & NOAA SWPC Agreement (Feb'11)
 - Increase operational resilience
 - Improve usability of services
 - Collaborate on coupling lower atmosphere / thermosphere / ionosphere & heliosphere
 - Sharing data and development of new forecast capabilities



Met Office Progress

May 2012

Integrating Space Weather into Met Office Hazard Centre



- Forecasters completed initial training at NOAA SWPC
- Data access & forecaster visualisation platforms under testing
- Daily forecaster teleconference with NOAA
- Collaborating with UK academic partners e.g. BGS

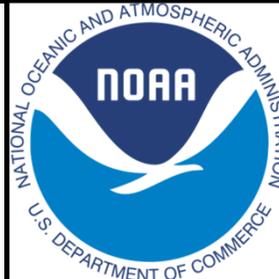
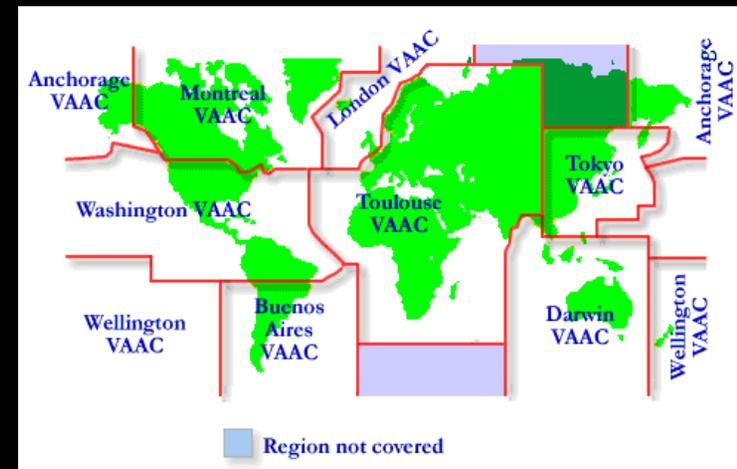
Space Weather adopted within the UK's developing multi-hazard partnership - NHP



Volcanic Ash Lessons



- Consistent information and communication, nationally & internationally
- Manage expectations
- Provide education and guidance
- Defend the importance of **good, underlying transparent, peer reviewed science**





Public Communication

- Focus on impacts
 - An event may be interesting to us – but not to the public unless it will impact them
- Corroboration
 - The public don't trust one source – will always look for confirmation from another source
 - Joined up communications nationally and internationally
- March '12 event
 - Joined up message in UK (BGS/MO)
 - Didn't match media messaging / hype from US

