

JAPAN METEOROLOGICAL AGENCY

The Second Asia/Oceania Meteorological Satellite Users' Conference

***6-9 December 2011
Tokyo, Japan***

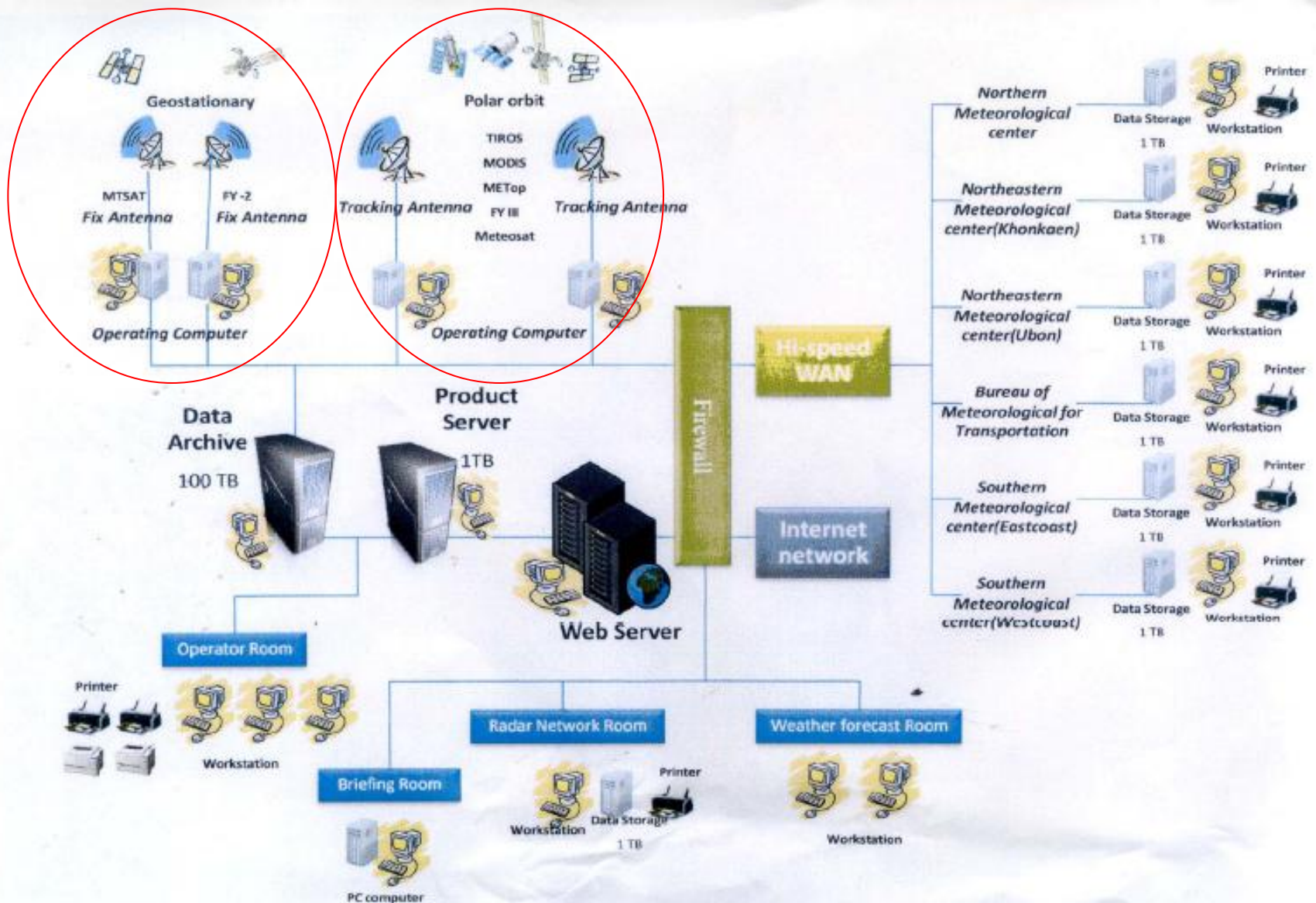
Satellite image for weather forecast in case Tropical cyclone “Nock Ten”

Aroon Sankwan

Weather forecaster

Thai Meteorological Department

Thai Meteorological Satellite Diagram



Thai Meteorological Department have install a New satellite

Receive systems can be operation on 2012

We have receive two systems **HRIT**

➤ ***Polar Orbiting***

➤ NOAA SIRIES

➤ Fy1 SIRIES

➤ TERRA/AQUA

➤ TRMM

➤ ASCAT

➤ ***Polar Orbiting***

- MTSAT SIRIES

- Fy2 SIRIES

SATELLITE DATA SATELITE DATA RECEIVED DATA FROM JMA

➤ PROGRAMME GMSLP

➤ PROGRAMME GMSLD

➤ APPLICATION SATELLITE DATA TO WEATHER FORECAST

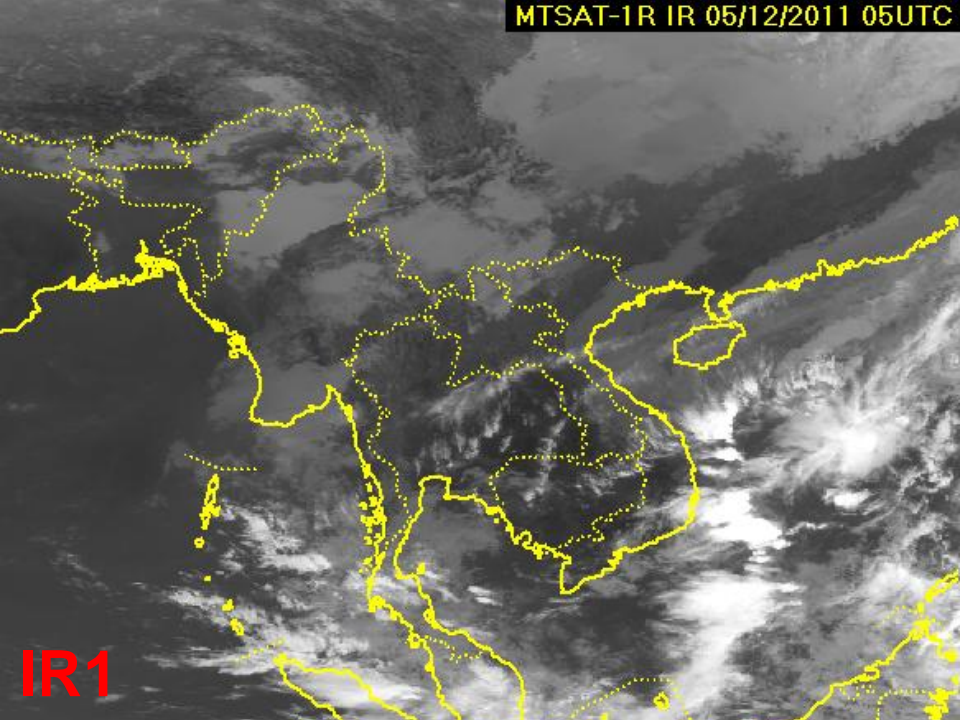
➤ NOWCASTING

➤ FAST FLOOD FORECAST

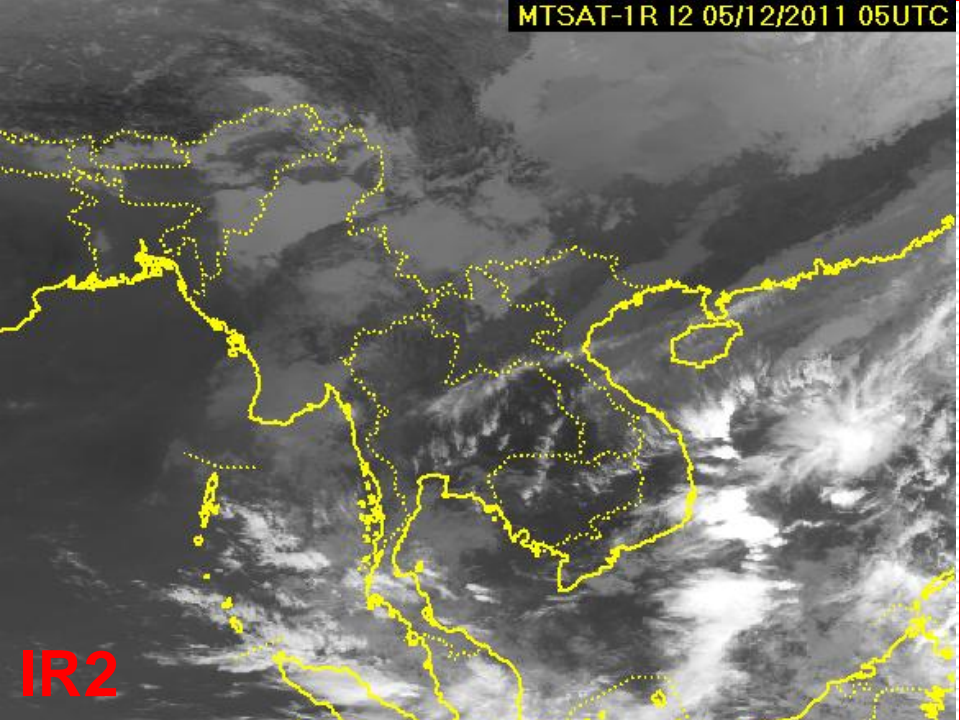
➤ WEATHER FORECAST

➤ TYPHOON ANALYSIS

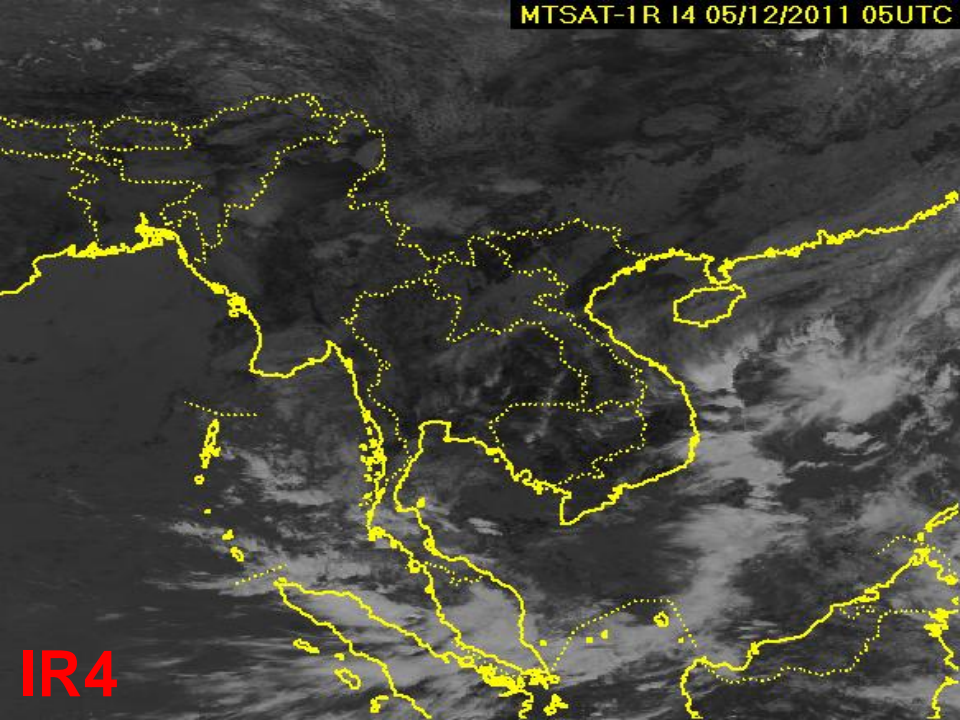
MTSAT-1R IR 05/12/2011 05UTC



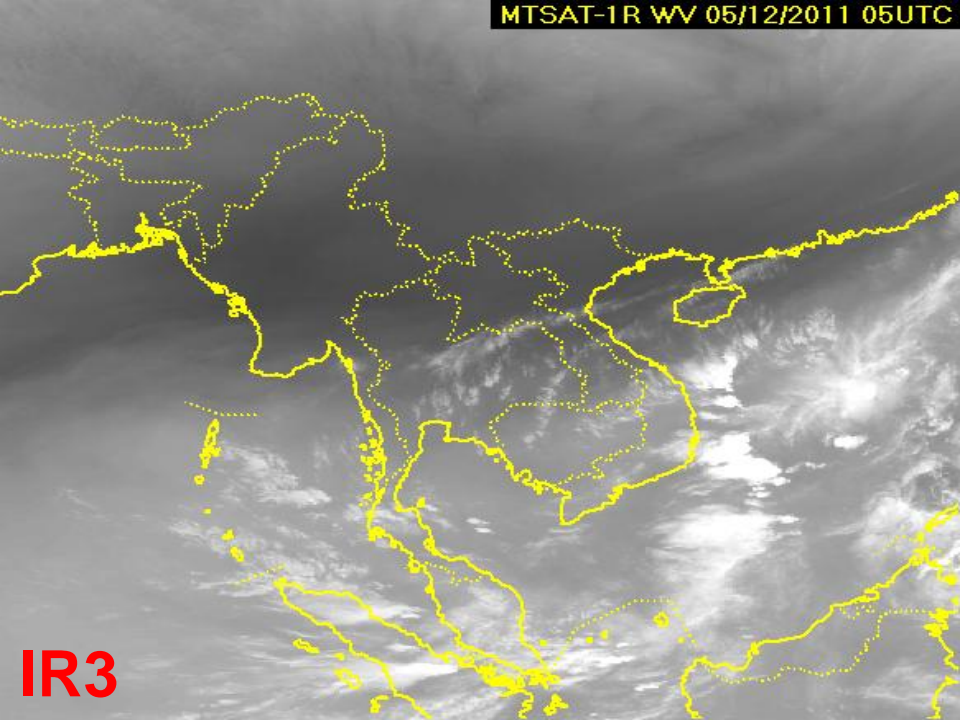
MTSAT-1R I2 05/12/2011 05UTC



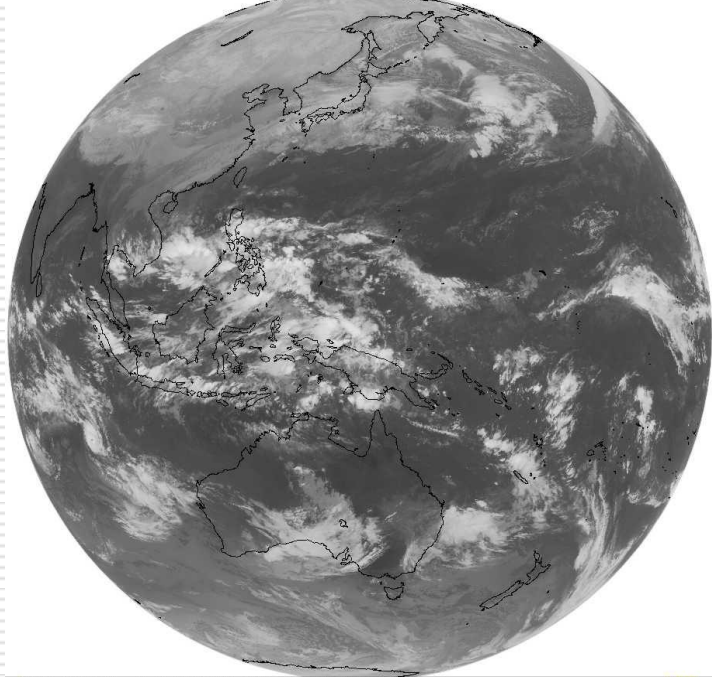
MTSAT-1R I4 05/12/2011 05UTC



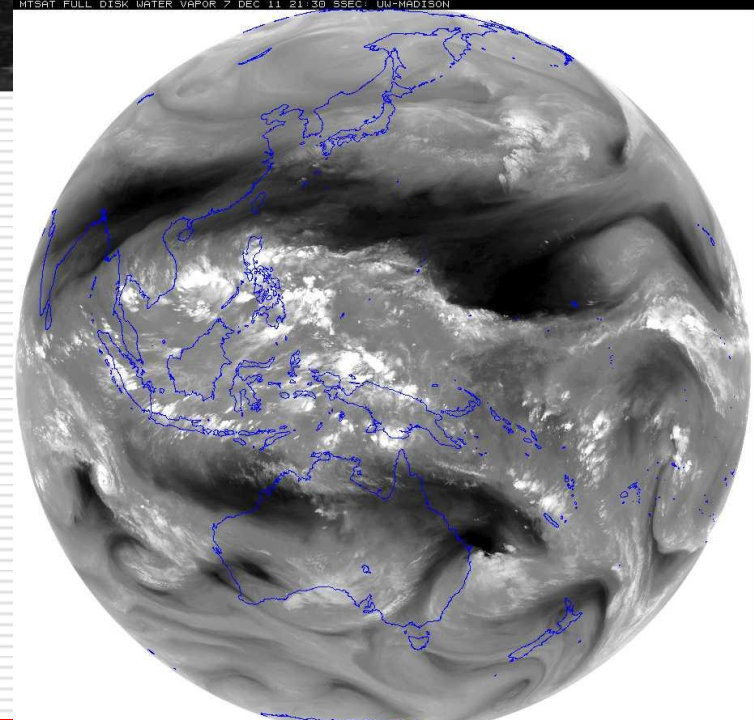
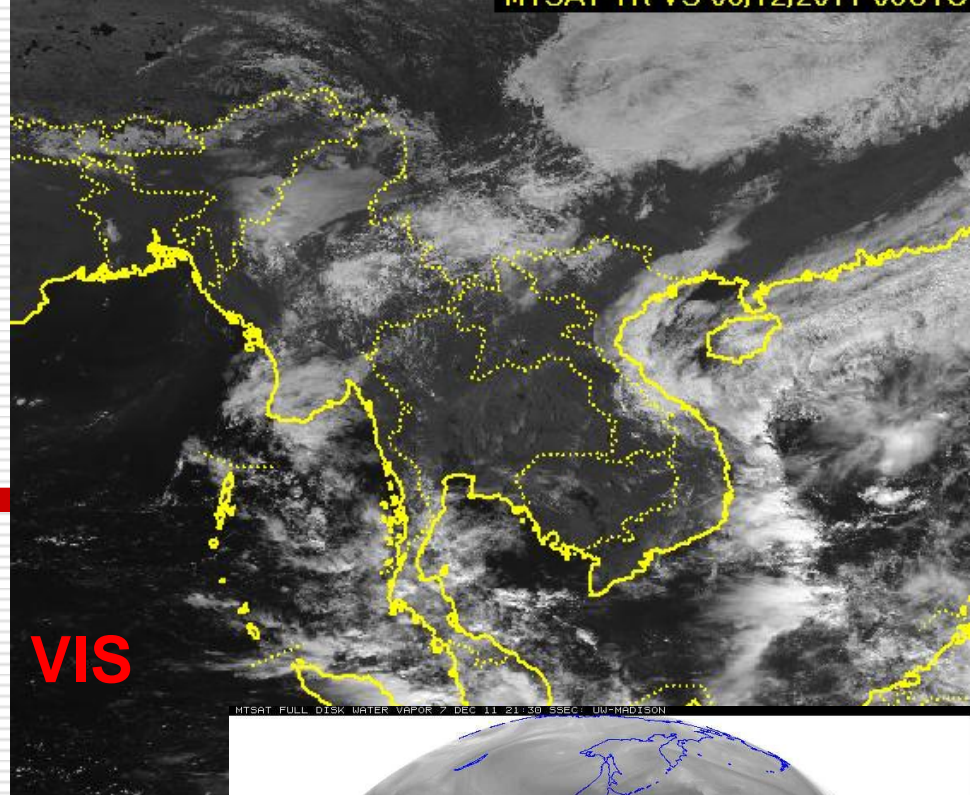
MTSAT-1R WV 05/12/2011 05UTC



MTSAT FULL DISK LONGWAVE IR 7 DEC 11 21:30 SSEC: UN-MADISON

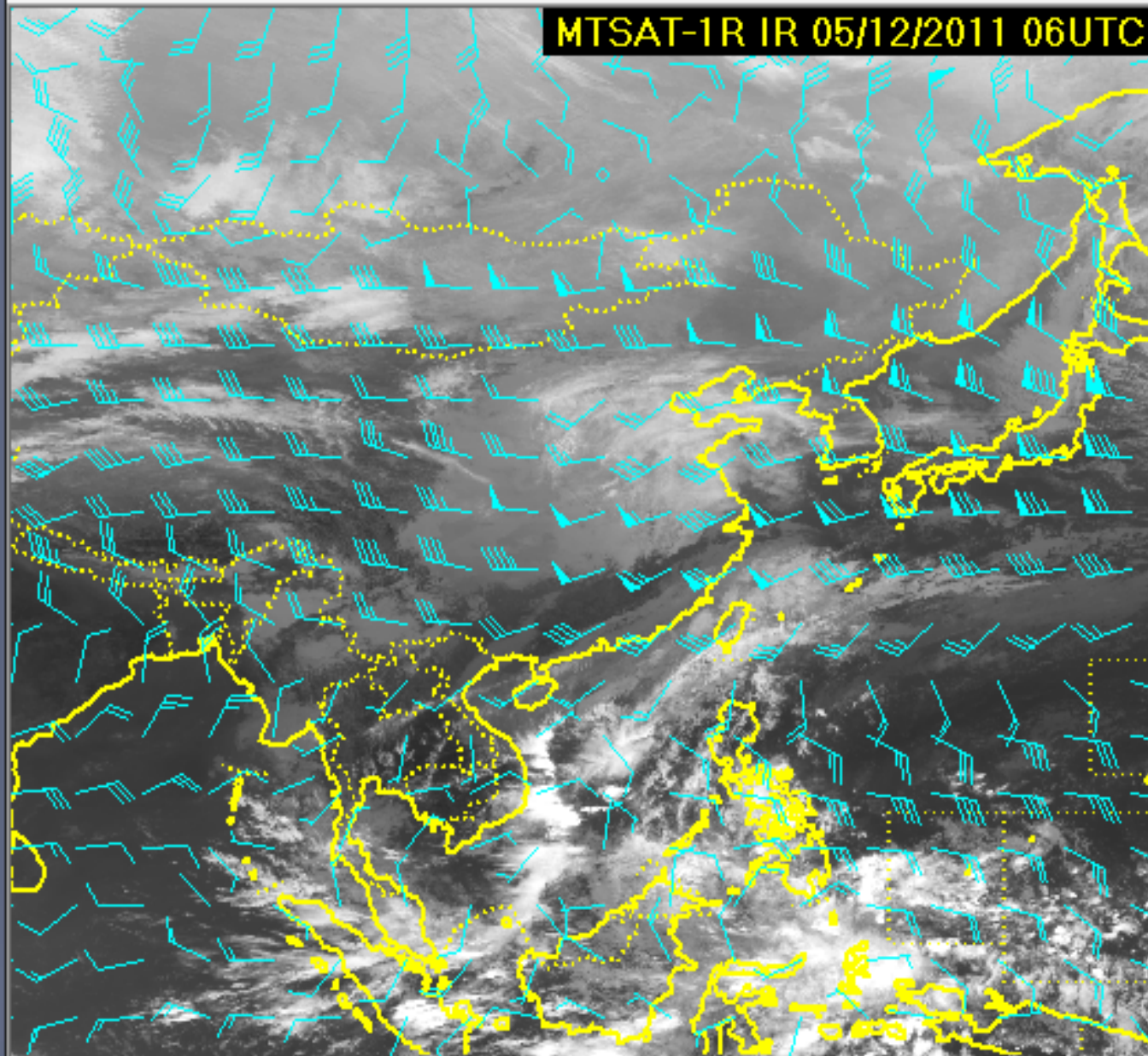


MTSAT-1R VS 05/12/2011 0500TC



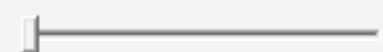


MTSAT-1R IR 05/12/2011 06UTC



Fast

Slow



05/12/2011 05:43

UTC

Image

- | | |
|-------------------------------------|-----------------------------|
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| <input type="radio"/> IR2 | <input type="radio"/> VS2 |
| <input type="radio"/> WV | <input type="radio"/> SP |
| <input type="radio"/> IR4 | <input type="radio"/> S2 |
| <input type="radio"/> EIR-C | <input type="radio"/> EIR-M |

☐ Grid 5☒ Coast ☐ Line☐ Text ☒ NWP☐ Radar ☐ Wind

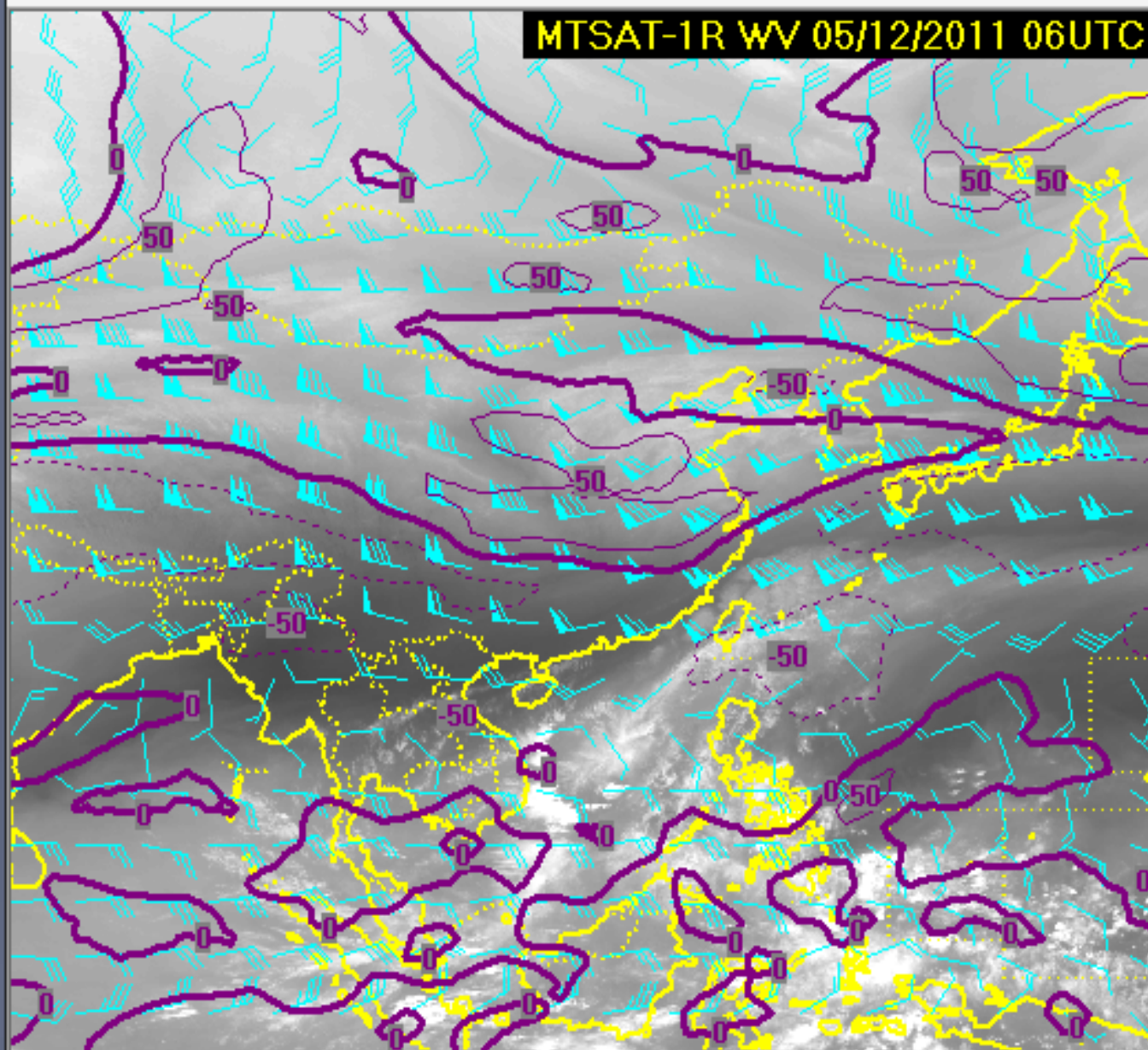
Function

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| <input type="radio"/> Meas | <input type="radio"/> Draw |
| <input type="radio"/> Obs | <input type="radio"/> TC |

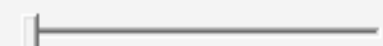
Start the animation by clicking [AUTO] button.



MTSAT-1R WV 05/12/2011 06UTC



Fast Slow



05/12/2011 05:43 UTC

Image

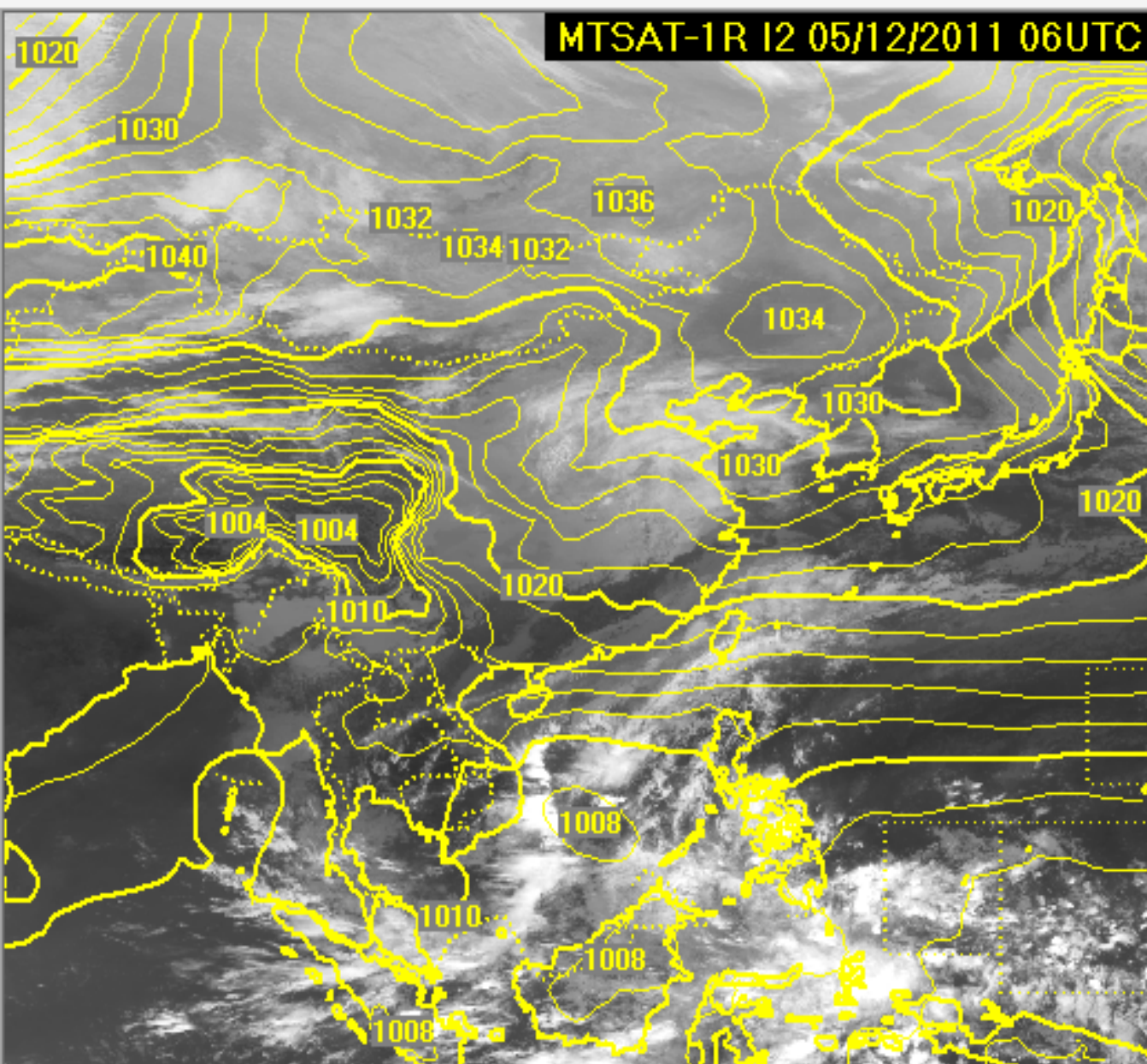
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| <input type="radio"/> EIR-C | <input type="radio"/> EIR-M |

☐ Grid ☒ Coast ☐ Line☐ Text ☒ NWP☐ Radar ☐ Wind

Function

- | | |
|----------------------------|----------------------------|
| <input type="radio"/> Gray | <input type="radio"/> Info |
| <input type="radio"/> Meas | <input type="radio"/> Draw |
| <input type="radio"/> Obs | <input type="radio"/> TC |

Start the animation by clicking [AUTO] button.



Fast

Slow

05/12/2011 05:43 UTC

Image

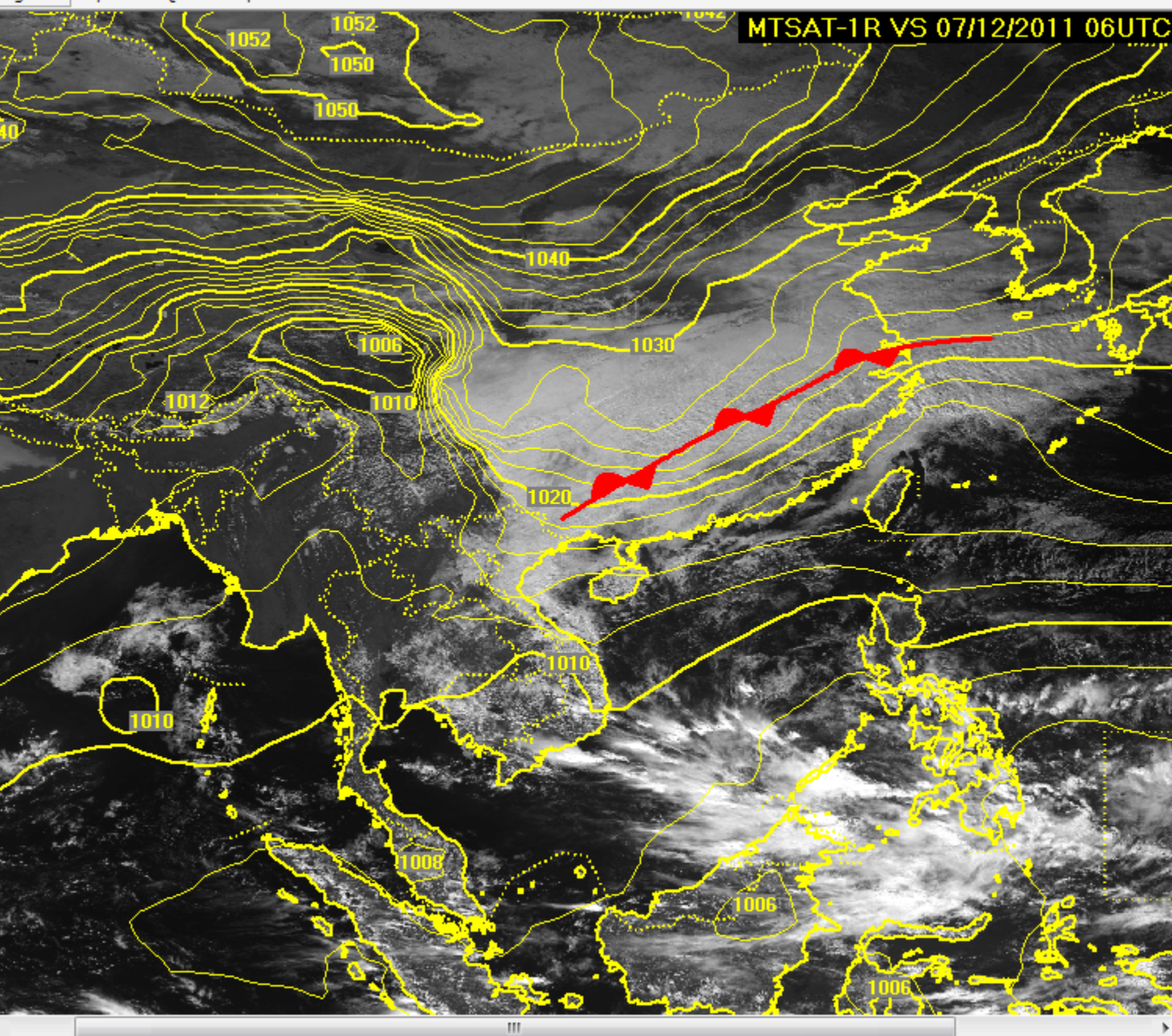
- | | |
|--------------------------------------|-----------------------------|
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| <input type="radio"/> WV | <input type="radio"/> SP |
| <input type="radio"/> IR4 | <input type="radio"/> S2 |
| <input type="radio"/> EIR-C | <input type="radio"/> EIR-M |

☐ Grid 5☒ Coast ☐ Line☐ Text ☒ NWP☐ Radar ☐ Wind

Function

- | | |
|----------------------------|----------------------------|
| <input type="radio"/> Gray | <input type="radio"/> Info |
| <input type="radio"/> Meas | <input type="radio"/> Draw |
| <input type="radio"/> Obs | <input type="radio"/> TC |

Start the animation by clicking [AUTO] button.



Fast Slow

07/12/2011 05:43 UTC

Image

<input type="radio"/> IR	<input checked="" type="radio"/> VS
<input type="radio"/> IR2	<input type="radio"/> VS2
<input type="radio"/> WV	<input type="radio"/> SP
<input type="radio"/> IR4	<input type="radio"/> S2
<input type="radio"/> EIR-C	<input type="radio"/> EIR-M

☐ Grid 5

☒ Coast ☐ Line

☐ Text ☒ NWP

☐ Radar ☐ Wind

Function

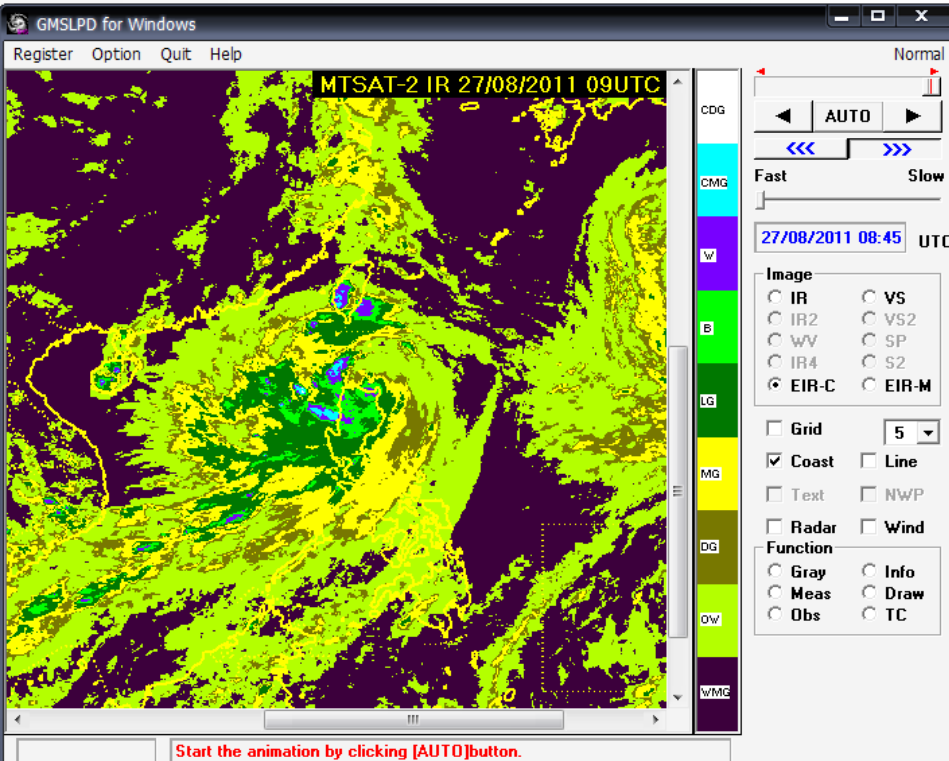
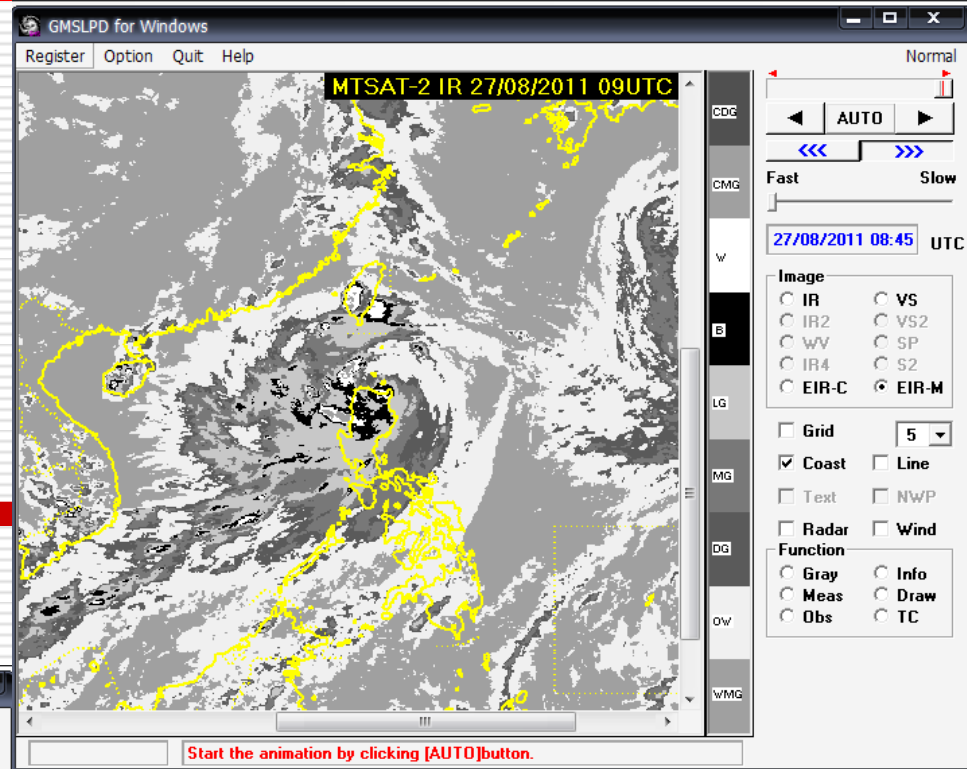
<input type="radio"/> Gray	<input type="radio"/> Info
<input type="radio"/> Meas	<input checked="" type="radio"/> Draw
<input type="radio"/> Obs	<input type="radio"/> TC

Draw

<input type="radio"/> Thin	<input checked="" type="checkbox"/> Curve
<input type="radio"/> Std	<input type="checkbox"/> Erase
<input checked="" type="radio"/> Thick	Extra

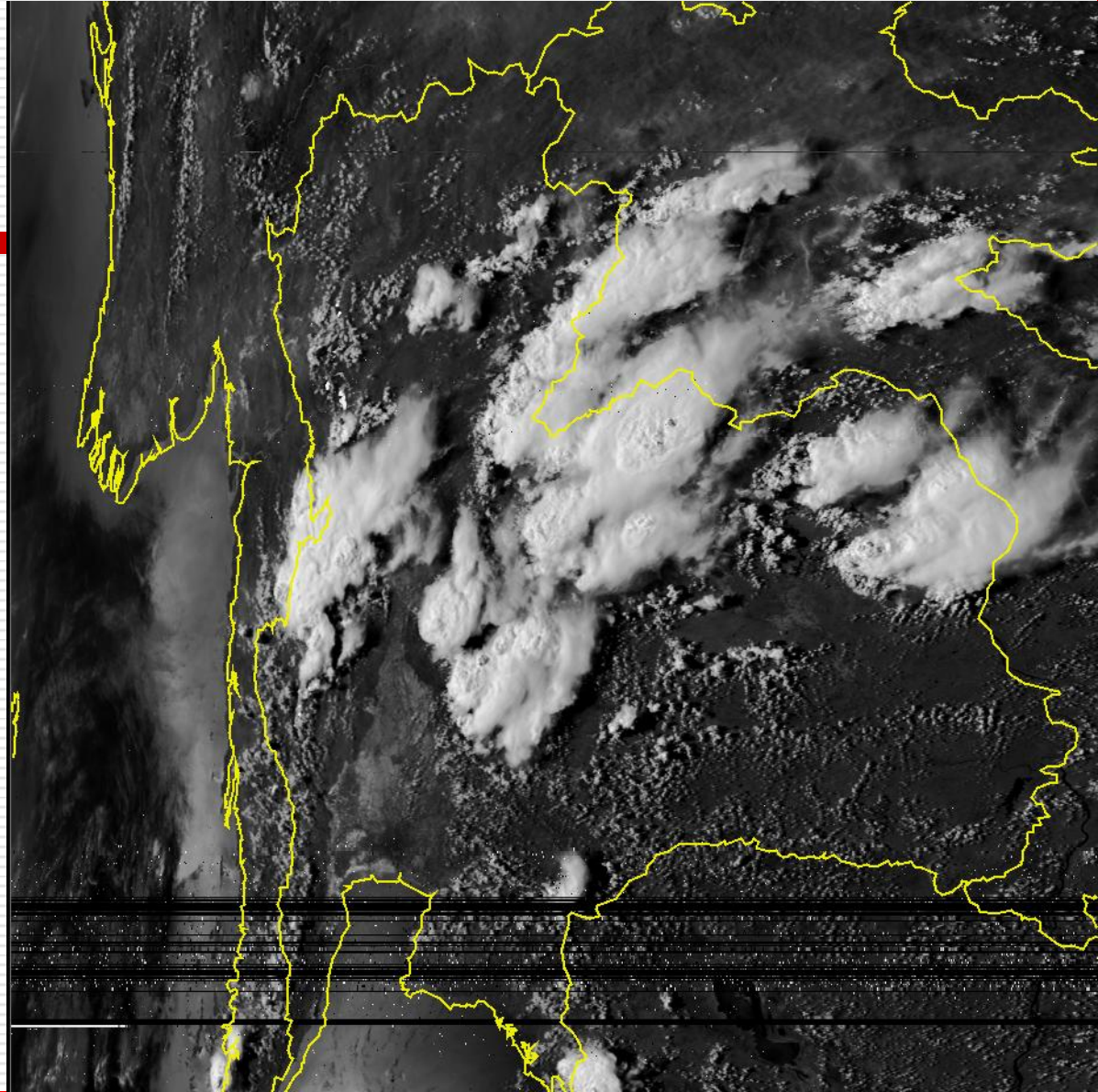
TYPHOON ANALYSIS

➤ Dvorak Technique



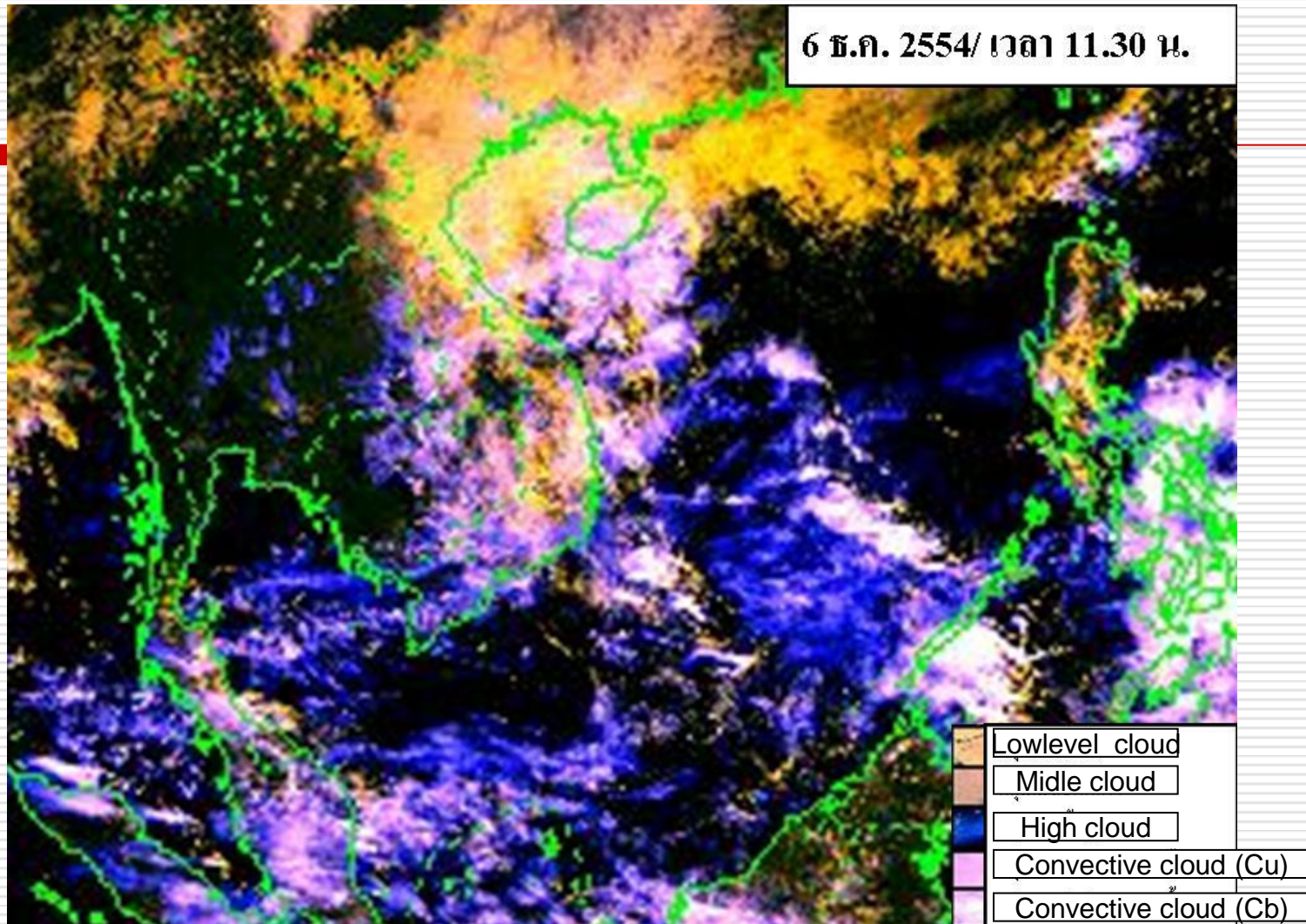
Thunder storm

hailstorm



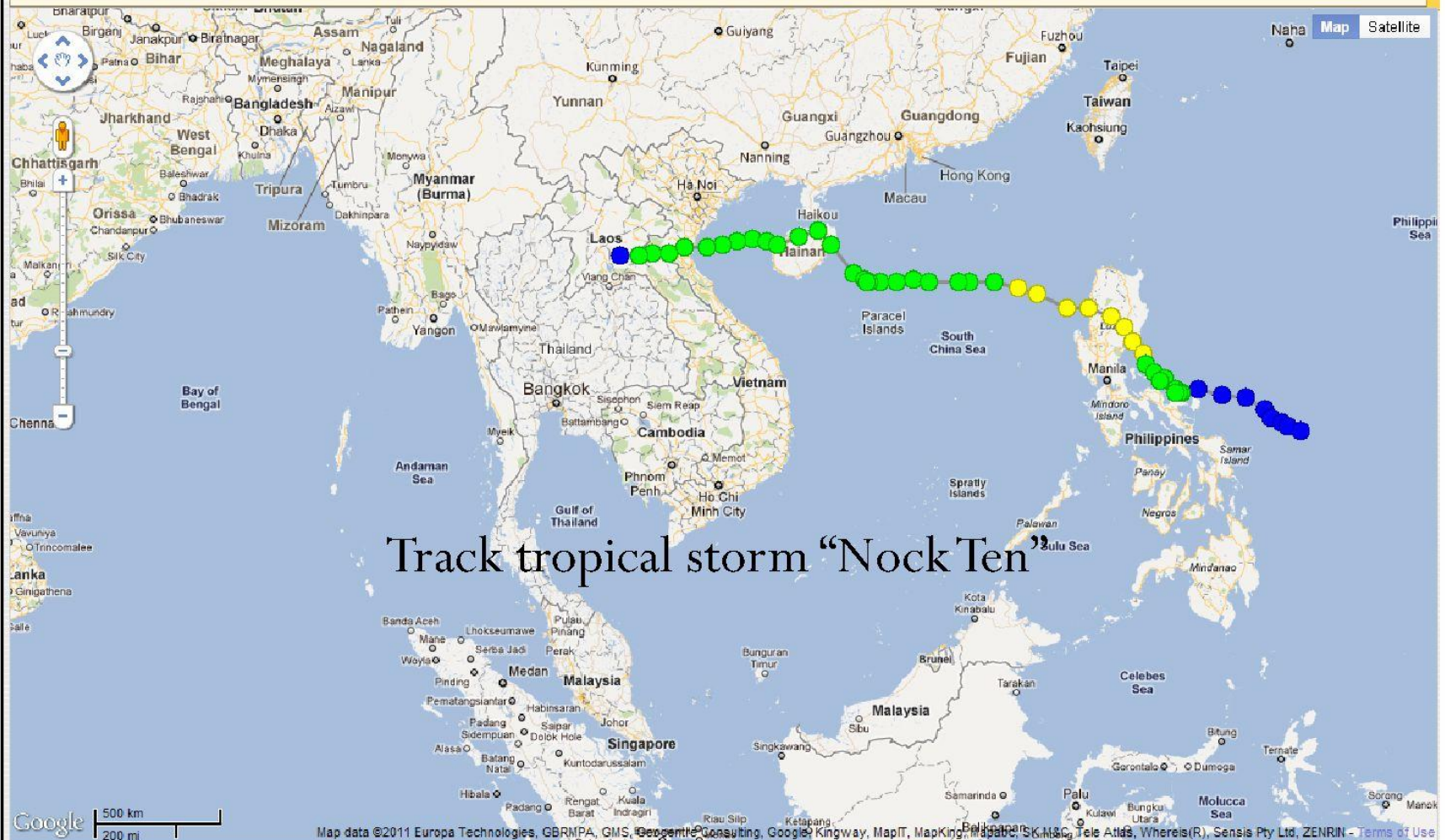
Cloud classify

➤ ENVI Programme

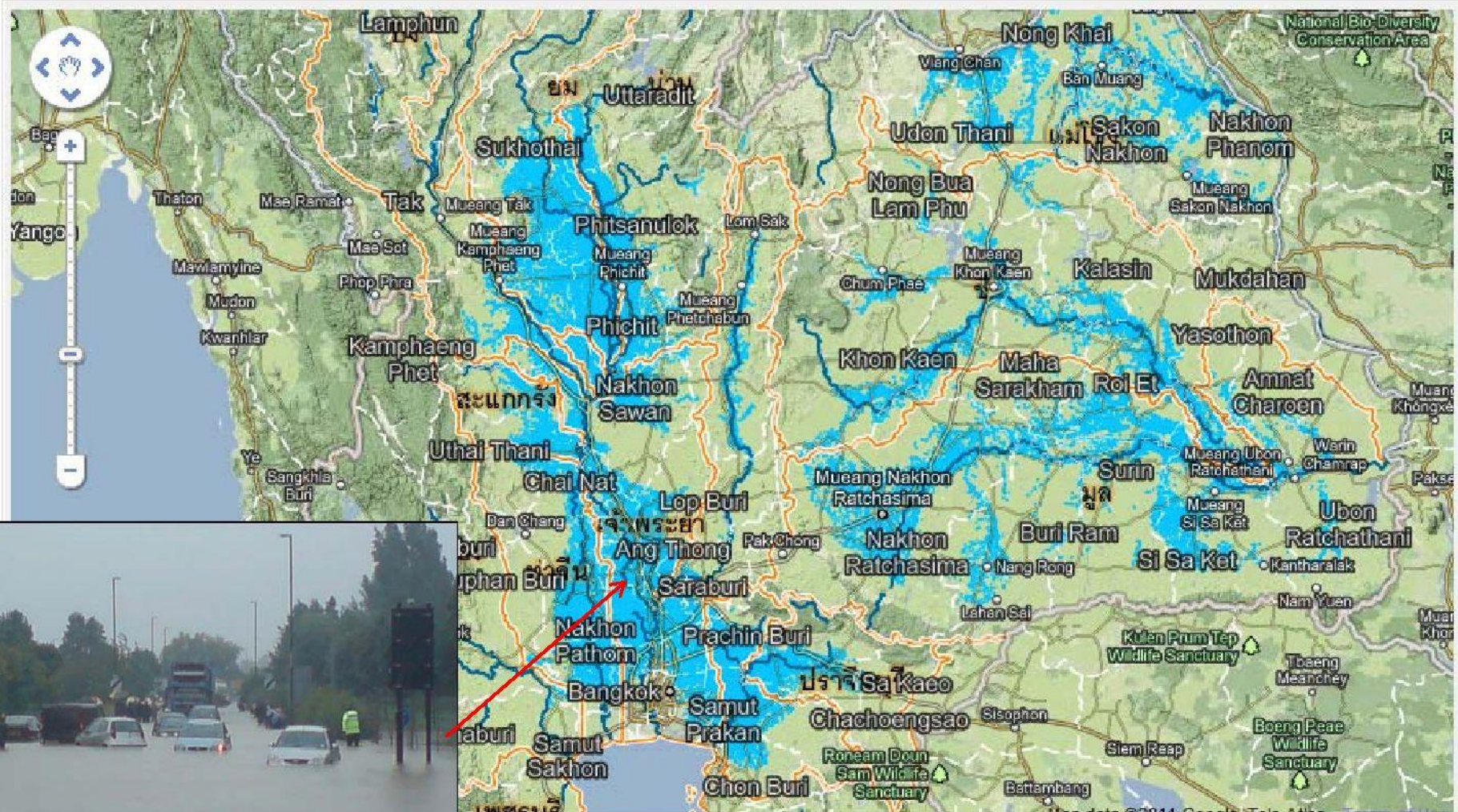


Tropical Storm "Nock-Ten" 25 – 31 Jun 2011

Start Animation Sun, 31 Jul 2011 00:00:00 UTC







Warnings/Advisories

- Ministry of Communication and transport
 - Ministry of Agriculture
 - Ministry of Interior
 - TV and Radio station
 - Ship and Fisherman
-

Thank you for your attention
