Introduction to Geostationary Ocean Colour Breakout Session
Time & Space Scales of OC Relevant Missions

Improved spatial coverage is another important distinction of Geo

from Mouw et al. 2015, Remote Sens. Environ
Session Organization

• Part I presentations
• Part I Panel Discussion
  – Speakers for Part I will serve as the panel
• Part II presentations
• Coffee break
• Part II Panel Discussion
  – Speakers for Part II will serve as the panel
• Part III presentations
• Part III Panel Discussion
  – Speakers for Part III will serve as the panel

Please hold your questions/comments for the panel discussion
Session Topics

- Part I: The unique science and applications value of Ocean Colour observations from a geo-orbit
- Part II: Key issues and challenges to resolve for successful application of geostationary Ocean Colour data
- Part III: Existing and future GEO OC sensors, challenges and next steps forward: Towards achieving a quasi-global geostationary OC constellation
Questions to Address

• What are the unique science and applications of OC observations from a geo-orbit?
• What are the advantages of geo OC in combination with OC from polar orbiting sensor?
• What are the minimum requirements to achieve a quasi-global geo OC constellation?
• What approaches in atmospheric corrections and improvements in BRDF, sun-sensor geometry, etc. are necessary to permit detection of diurnal variability in OC products?
• What process measurements and new products are enabled or improved from a geo OC sensor?
New IOCCG Working Group on Geo?

- Share information to promote a “quasi-global” geo Ocean Colour constellation within scientific community and space agencies.
- Compile field data sets and simulated geo sensor data relevant to Geo OC science and challenges (atm. corr., BRDF, etc.).
- International collaboration on geo applications with GOCI-I and -II and non-OC sensors (geo weather sats.)