

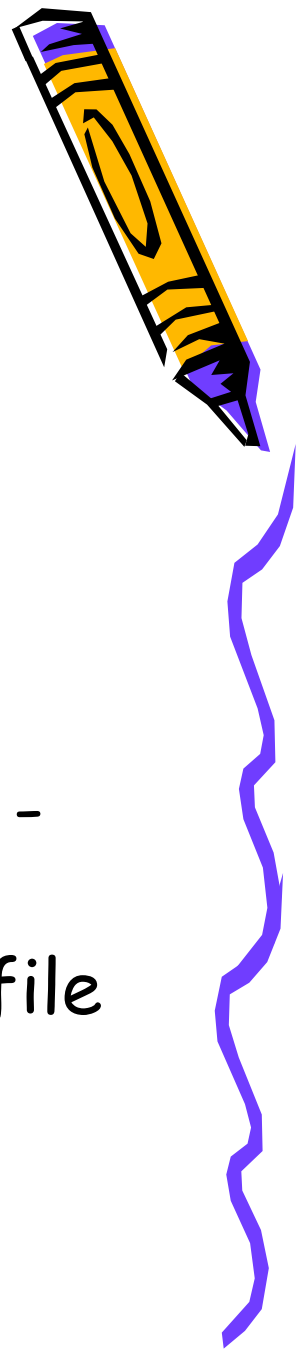


OWSG Error Models

2-Oct-2013

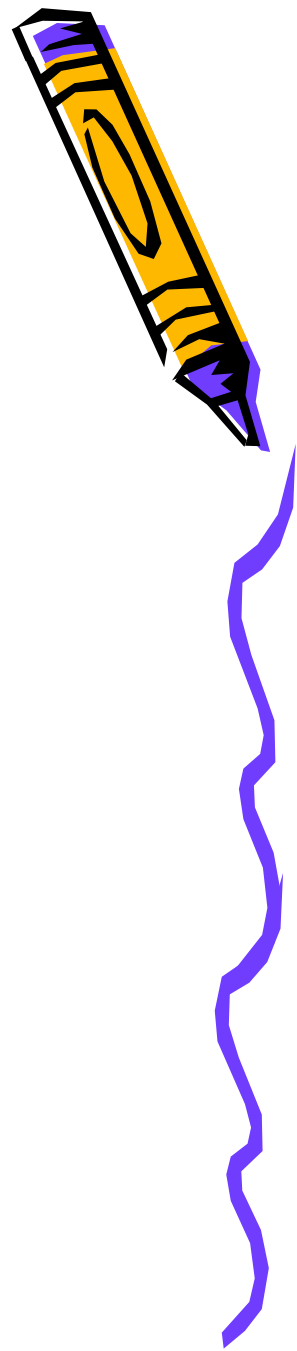
Deliverables

- Standard Sets of Error Models
- Each Model is self-documenting
- 3 Files: Fixed Rig, Floating Rig and Combined Compass IPM
- Current Generic Model in Excel Format - can be changed
- Diagnostic Files and ISCWSA Well Profile Summaries



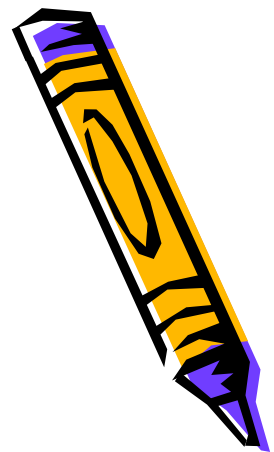
OWSG Sets

- OWSG Standard Set [A]
- OWSG Extended Set [B]
- OWSG Contractor Set [C]
- OWSG Template Set [D]
- OWSG Other Set [E]



OWSG Standard Set A

- Currently 34 models
- 9 Generic Gyro Models being replaced by 3
- Inclination-Only Planned model to be moved from Set B to Set A
- Add MWD+IFR1+MS
- Proposed Set of 30 Models



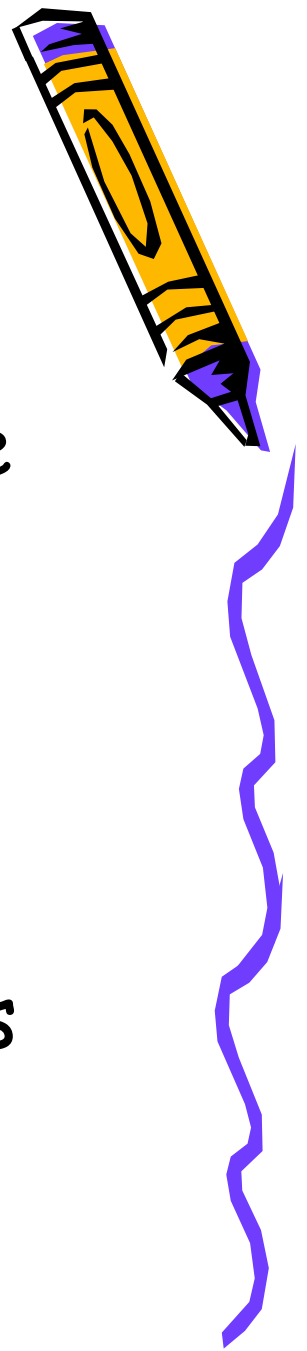
Changes

- Using MWD Toolface Independent Model
- Misalignments Increased from 0.06 deg to 0.1 deg
- Drillstring magnetisation term AMID replaced by AMIL



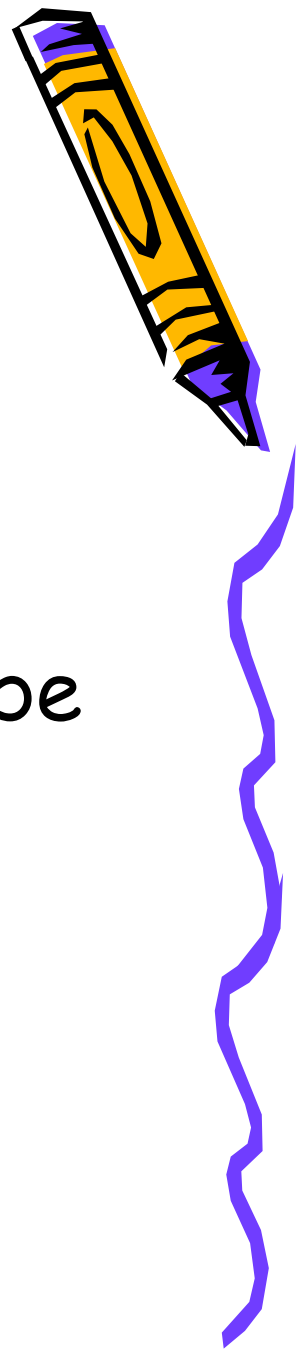
To Do

- Update Header to include Latitude Range, Verification Level
- Drillstring magnetisation constant term (AMIC) deleted
- Add Term Comment on singularity
- Change Inclination-Only Tool limits



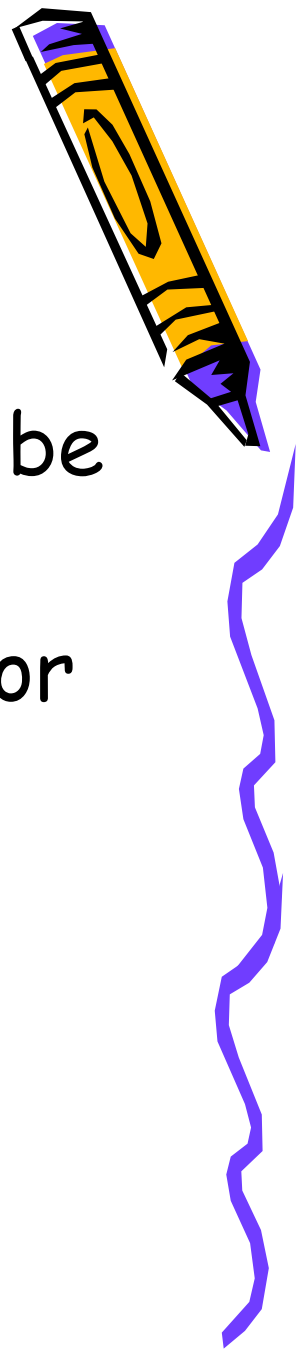
OWSG Extended Set B

- Currently 23 Models
- Gyro Model to be deleted
- Inclination-Only Planned model to be moved from Set B to Set A
- Proposed Set B of 21 Models



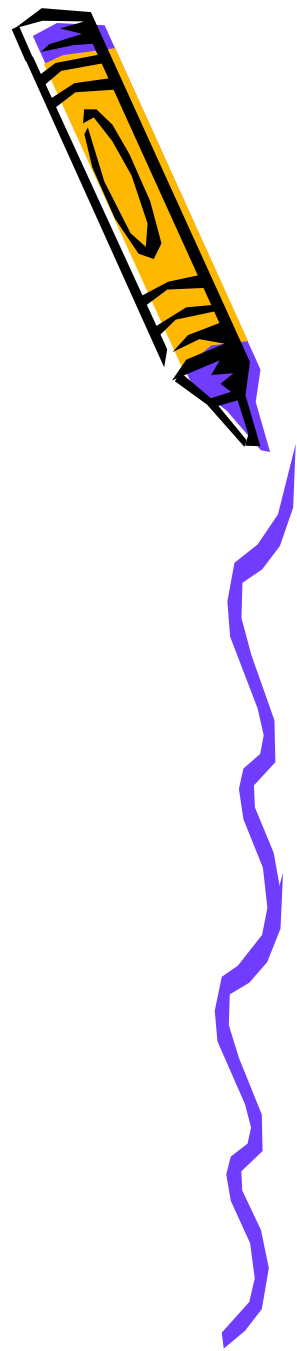
OWSG Contractor Set C

- Contractor specific models should be used where possible
- Term Values not checked, only error checking
- Introduce Verification Level

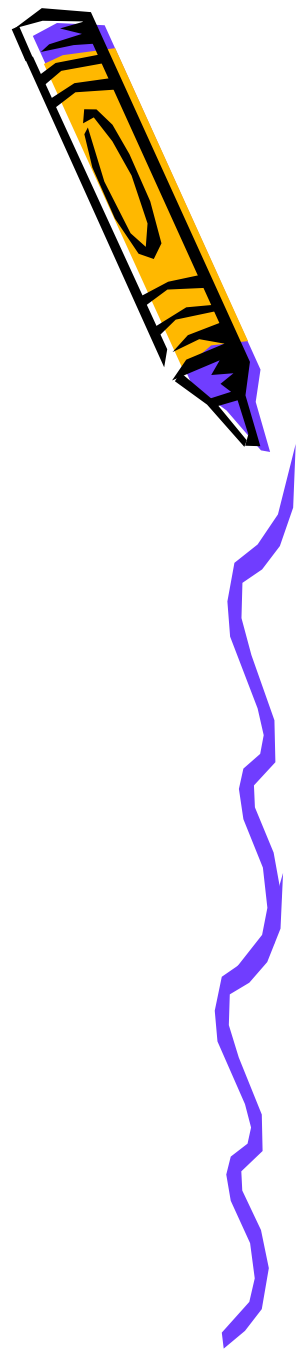


OWSG Template Set D

- Templates for the 6 Gyro Models



IADC/SPE Drilling Conference



- SPE-167964
- Session 11 - Well Placement:
Wednesday Mar 5 2014 8:00 AM -
10:00 AM

