

UPDATE ON PROTON CREDENTIALING

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PROTON CENTER CREDENTIALING

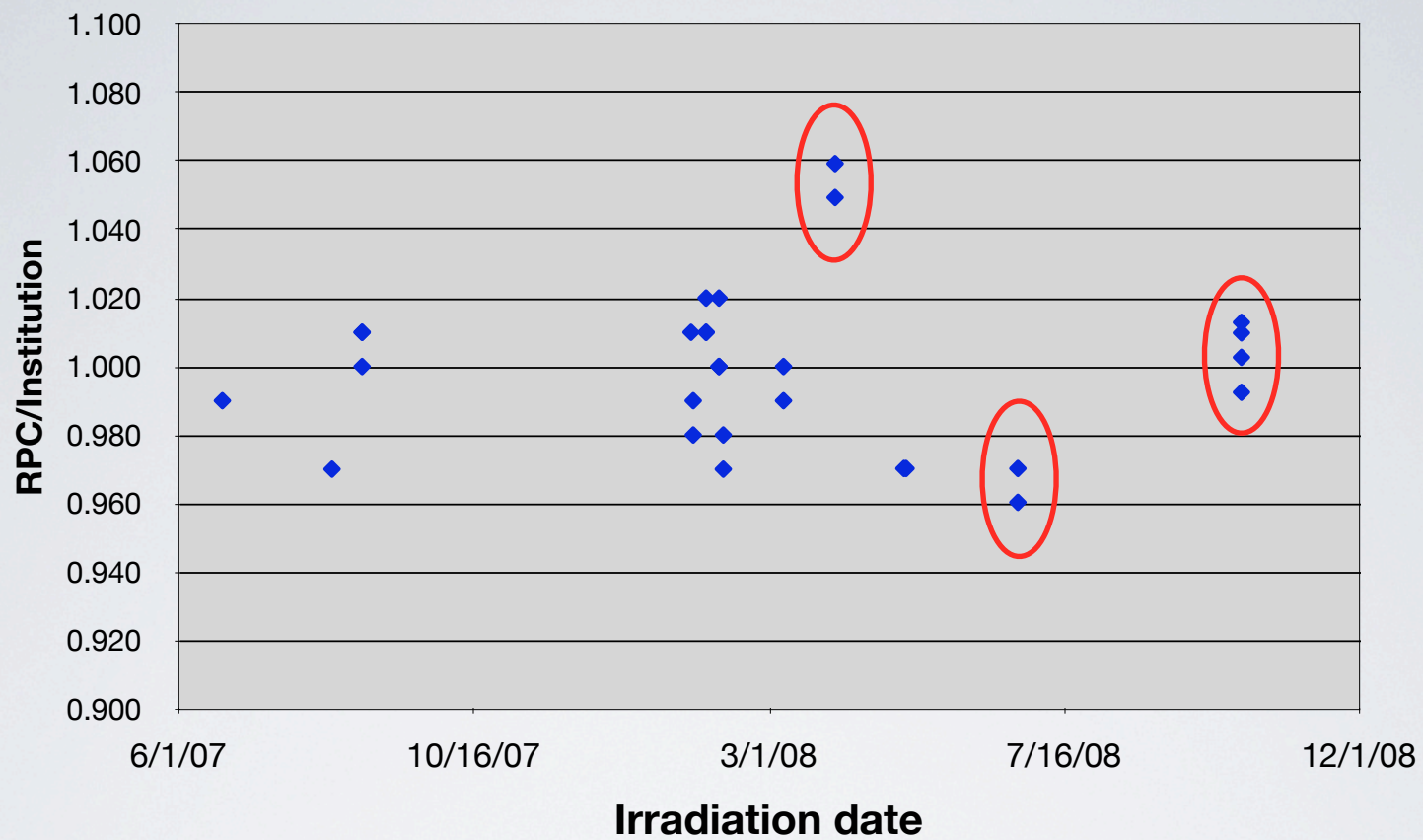
- ❖ Four of five US proton centers have submitted the QARC/RTOG questionnaire
- ❖ Four of five US proton centers are capable of submitting digital data to the ITC

PROTON BEAM MONITORING

5 US facilities have received
TLD \geq once

All measurements now fall
within RPC criteria

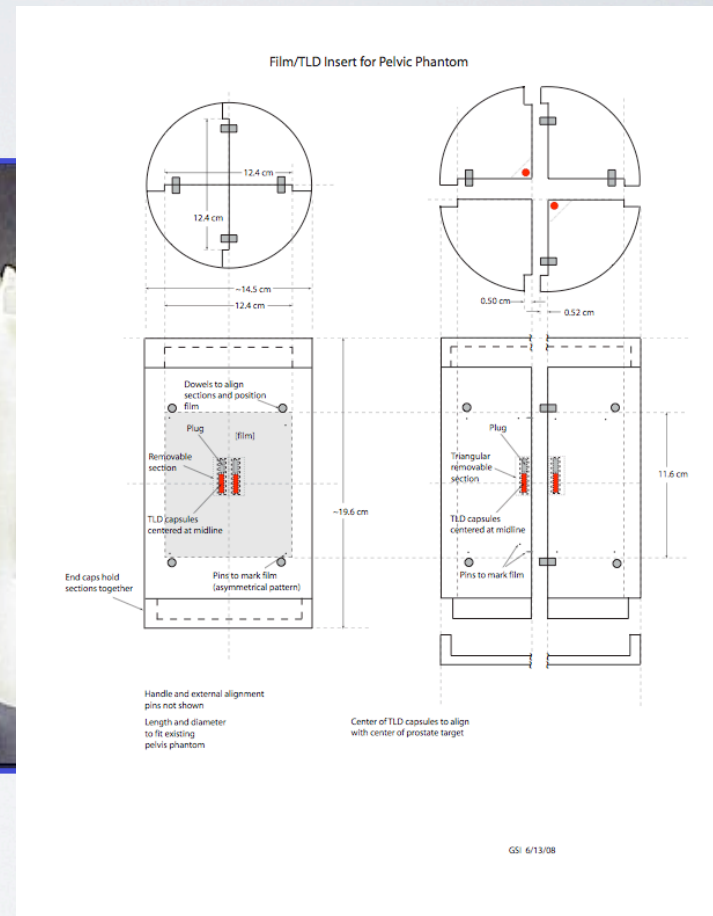




PROTON TLD RESULTS

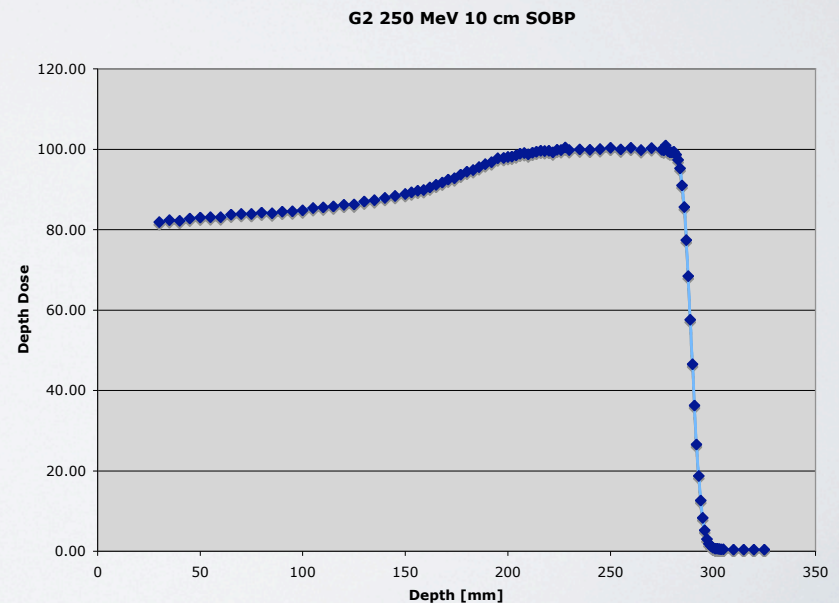
All Institutions now within criteria

MODIFIED PELVIS PHANTOMS



DOSIMETRY REVIEW VISITS

- Comparison with institution data:
 - Reference calibration
 - Representative %depth dose, range
 - Representative profiles
- Output dependence on
 - Snout size, distance
 - SSD
 - Aperture size
 - Energy, range shift
 - Modulation



DOSIMETRY REVIEW VISITS [CONT'D]

- Treatment planning capability
- Image guidance, patient alignment
 - Evaluate imaging system with IGRT phantom
- QA Procedures
 - Daily
 - Monthly
- Treatment record review