

# Prediction Formats Study Group

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For the ILRS Prediction Format Study Group

# Introduction

- Consolidated Prediction Format provides method of ranging to disparate targets using one format
- Allows cross-technique ranging attempts
- Does not rely on on-site gravity model, tuning, or separate drag and time bias functions
- Tabular format contains un-tuned state vectors at appropriate intervals
- Typically in true body fixed system of date

# Status

- Format is stable except for more obscure fields
- MLRS field tests have begun
  - Data has been acquired on 4 slr passes using the HTSI-derived predictions
  - NSGF predicts are being evaluated
  - LLR changes and predictions are in place awaiting tests

# Status - 2

- Transponder predictions tested via simulations
- Additional field tests planned
  - NERC SGF
  - EOS/Mt. Stromlo
- New Format and sample code being worked