

Plot Addendum

Note: The plots in this addendum are produced using a high resolution format so that when viewed digitally in .pdf or .png formats the graphs can be zoomed into for closer inspection of the modelling results.

Updated DMT Model

2011 UDMT Flood Calibration Check

- Plot 1 UDMT & DMT 2011 Lockyer Creek Water Level Gauges
- Plot 2 UDMT & DMT 2011 Bremer River Water Level Gauges
- Plot 3 UDMT & DMT 2011 Brisbane River Water Level Gauges
- Plot 4 UDMT & DMT 2011 Centenary Bridge Flow Recordings

2013 UDMT Flood Calibration Check

- Plot 5 UDMT & DMT 2013 Lockyer Creek Water Level Gauges
- Plot 6 UDMT & DMT 2013 Bremer River Water Level Gauges
- Plot 7 UDMT & DMT 2013 Brisbane River Water Level Gauges
- Plot 8 UDMT & DMT 2013 Centenary Bridge Flow Recordings

1974 UDMT Flood Calibration Check

- Plot 9 UDMT & DMT 1974 Lockyer Creek Water Level Gauges
- Plot 10 UDMT & DMT 1974 Bremer River Water Level Gauges
- Plot 11 UDMT & DMT 1974 Brisbane River Water Level Gauges
- Plot 12 UDMT & DMT 1974 Brisbane River Water Level Additional Gauges
- Plot 13 UDMT & DMT 1974 Centenary Bridge Flow Recordings

Fast Model – Tidal and Minor Flood Calibration and Verification

2013 FM Flood and Tide Calibration

- Plot 14 FM & UDMT 2013 Lockyer Creek Water Level Gauges
- Plot 15 FM & UDMT 2013 Bremer River Water Level Gauges
- Plot 16 FM & UDMT 2013 Brisbane River Water Level Gauges
- Plot 17 FM & UDMT 2013 Centenary Bridge Flow Recordings
- Plot 18 FM & UDMT 2013 Mid-Brisbane and Lower Brisbane River Longitudinal Profiles
- Plot 19 FM & UDMT 2013 Lockyer and Bremer River Longitudinal Profiles

1996 FM Flood Calibration

- Plot 20 FM 1996 Lockyer Creek Water Level Gauges
- Plot 21 FM 1996 Bremer River Water Level Gauges
- Plot 22 FM 1996 Brisbane River Water Level Gauges

1999 FM Flood Verification

- Plot 23 FM 1999 Lockyer Creek Water Level Gauges
- Plot 24 FM 1999 Bremer River Water Level Gauges
- Plot 25 FM 1999 Brisbane River Water Level Gauges

Fast Model – Major Flood Calibration and Verification

2011 FM Flood Calibration

- Plot 26 FM & UDMT 2011 Lockyer Creek Water Level Gauges
- Plot 27 FM & UDMT 2011 Bremer River Water Level Gauges
- Plot 28 FM & UDMT 2011 Brisbane River Water Level Gauges
- Plot 29 FM & UDMT 2011 Centenary Bridge Flow Recordings
- Plot 30 FM & UDMT 2011 Mid-Brisbane and Lower Brisbane River Longitudinal Profiles
- Plot 31 FM & UDMT 2011 Lockyer and Bremer River Longitudinal Profiles

1974 FM Flood Verification

- Plot 32 FM & UDMT 1974 Lockyer Creek Water Level Gauges
- Plot 33 FM & UDMT 1974 Bremer River Water Level Gauges
- Plot 34 FM & UDMT 1974 Brisbane River Water Level Gauges
- Plot 35 FM & UDMT 1974 Brisbane River Water Level Additional Gauges
- Plot 36 FM & UDMT 1974 Centenary Bridge Flow Recordings
- Plot 37 FM & UDMT 1974 Mid-Brisbane and Lower Brisbane River Longitudinal Profiles
- Plot 38 FM & UDMT 1974 Lockyer and Bremer River Longitudinal Profiles

Fast Model – Longitudinal Profiles for all Calibration Events

- Plot 39 FM All Calibration Events Brisbane and Lower Brisbane River Longitudinal Profiles
- Plot 40 FM All Calibration Events Lockyer and Bremer River Longitudinal Profiles

Fast Model – Rating Curve Review

- Plot 41 FM Historical Calibration Events Rating Curve Comparison
- Plot 42 FM Extreme Events Rating Curve Comparison

Fast & UDMT Model – Extreme Flood Proofing

- Plot 43 FM & UDMT Extreme Floods Lockyer Creek / Bremer River Longitudinal Profiles
- Plot 44 FM & UDMT Extreme Floods Brisbane River Longitudinal Profiles

Notes on Longitudinal Profile Plots:

- Bed levels shown in the longitudinal profiles are taken from the DEMs. In some locations these bed levels will be based on LiDAR data (e.g. in Lockyer Creek) and in some locations they will be based on bathymetric or other survey, as outlined in Section 2.1.
- The vertical axis dimension on the longitudinal profiles has been selected to maximise the clarity of the peak water level profiles, not the bed level profiles. Hence, in some of the longitudinal plots, once the bed level profile drops below the minimum vertical axis value, the profile is no longer shown. In some longitudinal profiles the bed level is not shown at all, as it is below the minimum vertical axis value at the top of the profile.

Plot Addendum

Fast Model Sensitivity Tests

ST01 Fast Model General Manning’s n and Bend Loss Tests

- Plot 45 ST01 FM Manning’s n and Bend Loss Tests – 2011 Brisbane River Water Level Gauges
- Plot 46 ST01 FM Manning’s n and Bend Loss Tests – 2011 Brisbane River Longitudinal Profile
- Plot 47 ST01 FM Manning’s n and Bend Loss Tests – 2011 Lockyer / Bremer Longitudinal Profiles
- Plot 48 ST01 FM Manning’s n and Bend Loss Tests – 2011 Centenary Bridge Flow Recordings

ST02 Fast Model Manning’s n and Bend Loss Values ±10%

- Plot 49 ST02 FM Manning’s n and Bend Loss ±10% – 2011 Lockyer Creek Water Level Gauges
- Plot 50 ST02 FM Manning’s n and Bend Loss ±10% – 2011 Bremer River Water Level Gauges
- Plot 51 ST02 FM Manning’s n and Bend Loss ±10% – 2011 Brisbane River Water Level Gauges
- Plot 52 ST02 FM Manning’s n and Bend Loss ±10% – 2011 Brisbane River Longitudinal Profiles
- Plot 53 ST02 FM Manning’s n and Bend Loss ±10% – 2011 Lockyer / Bremer Longitudinal Profiles
- Plot 54 ST02 FM Manning’s n and Bend Loss ±10% – 2011 Centenary Bridge Flow Recordings

ST03 URBS Alpha Values ±10%

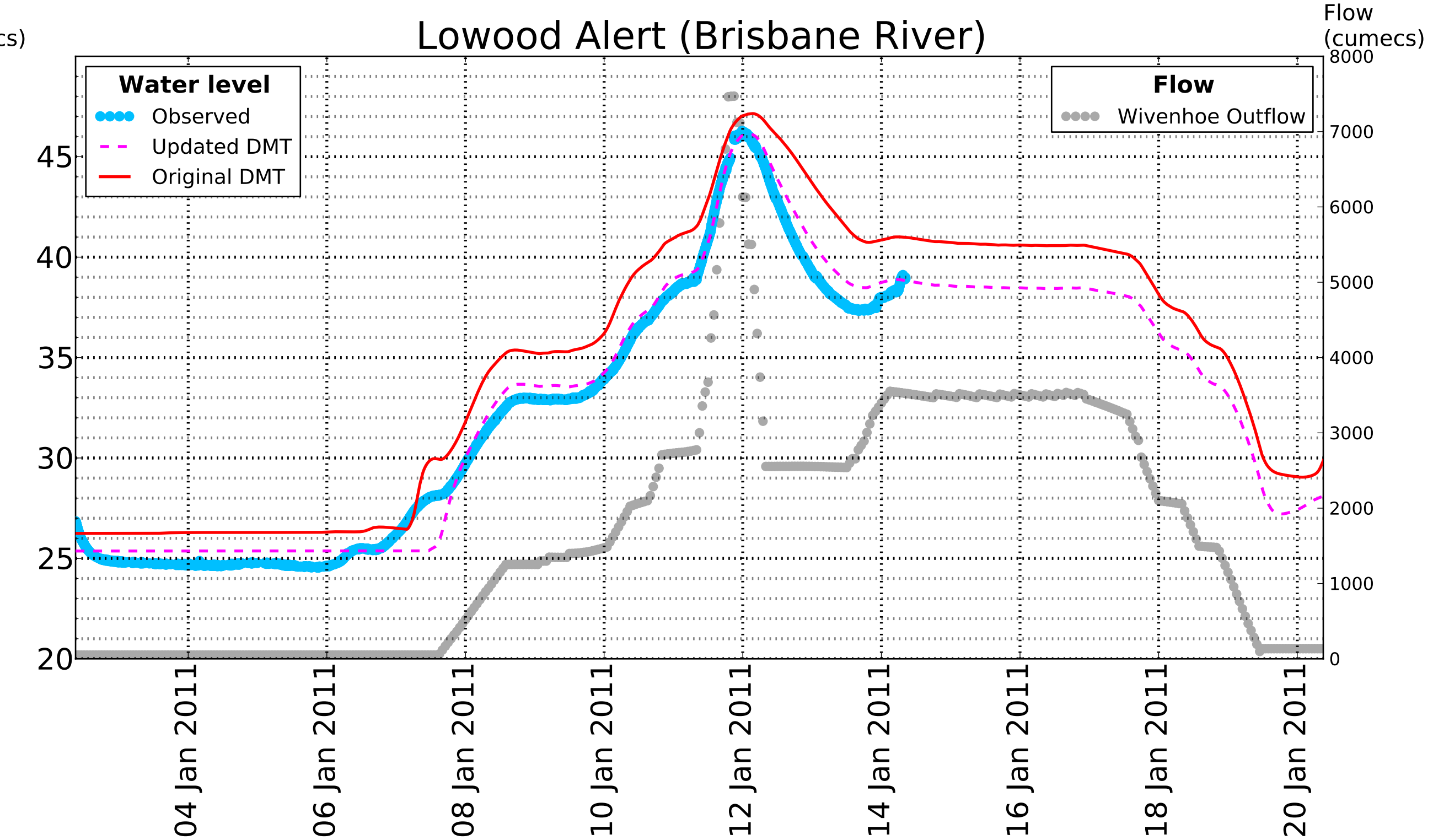
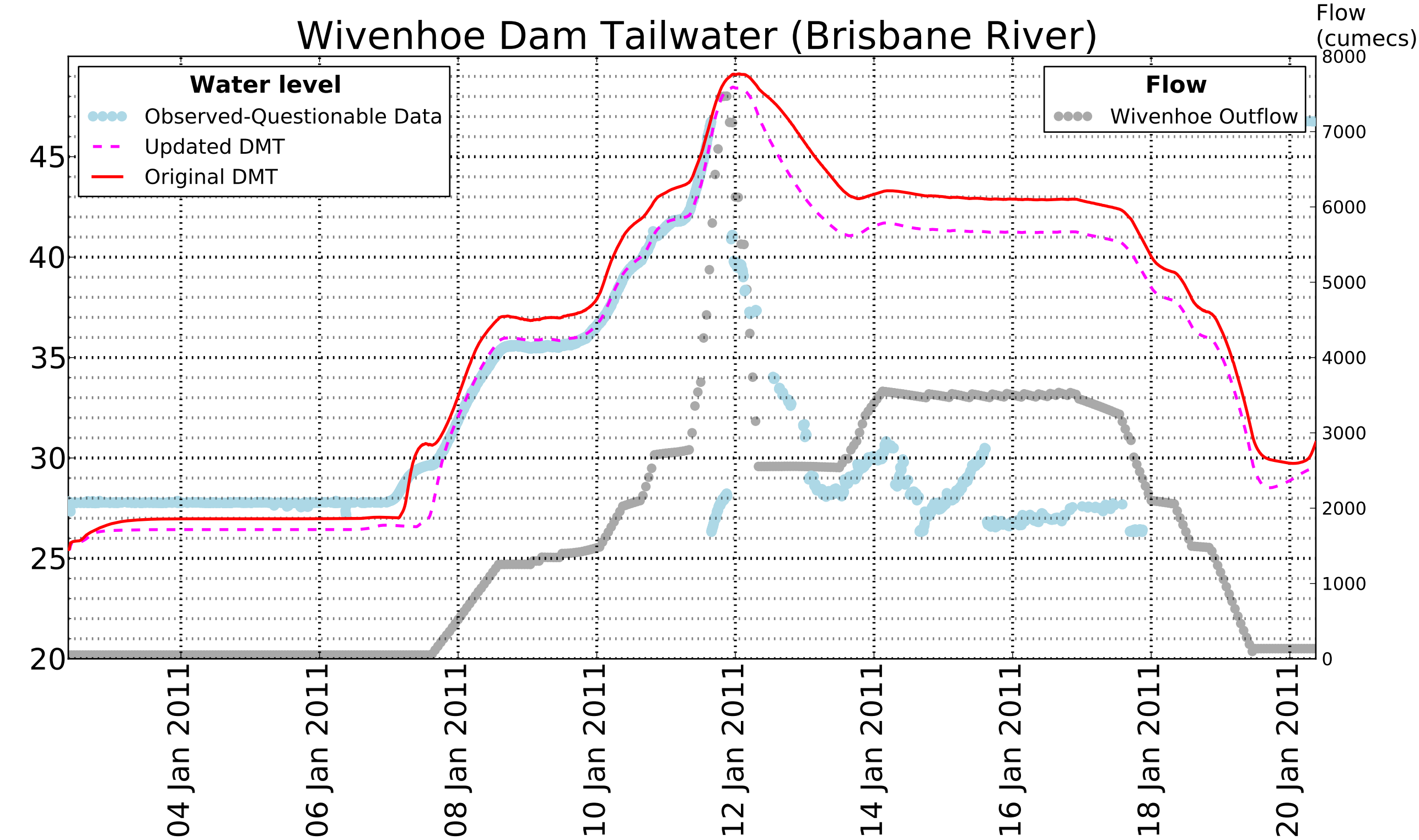
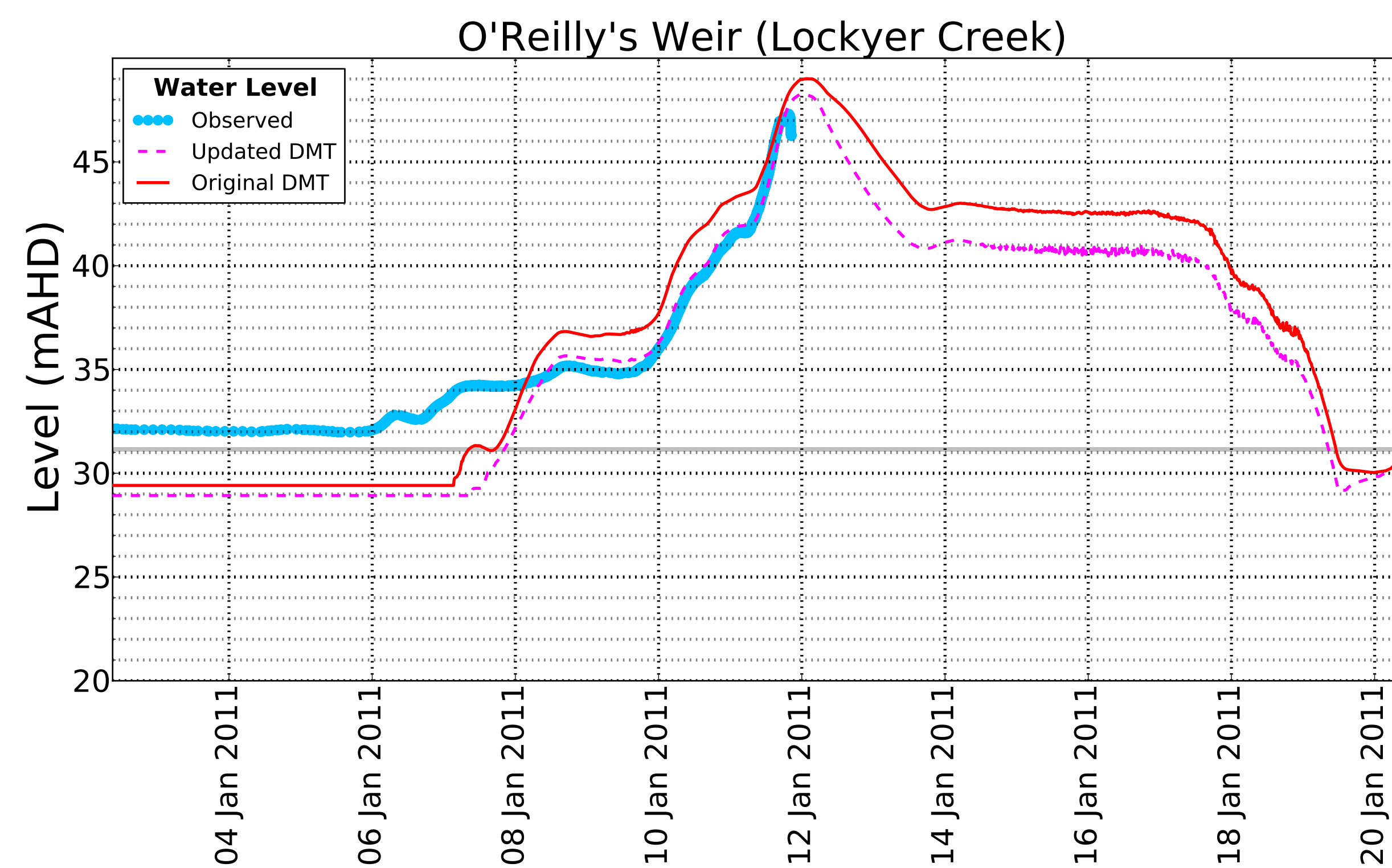
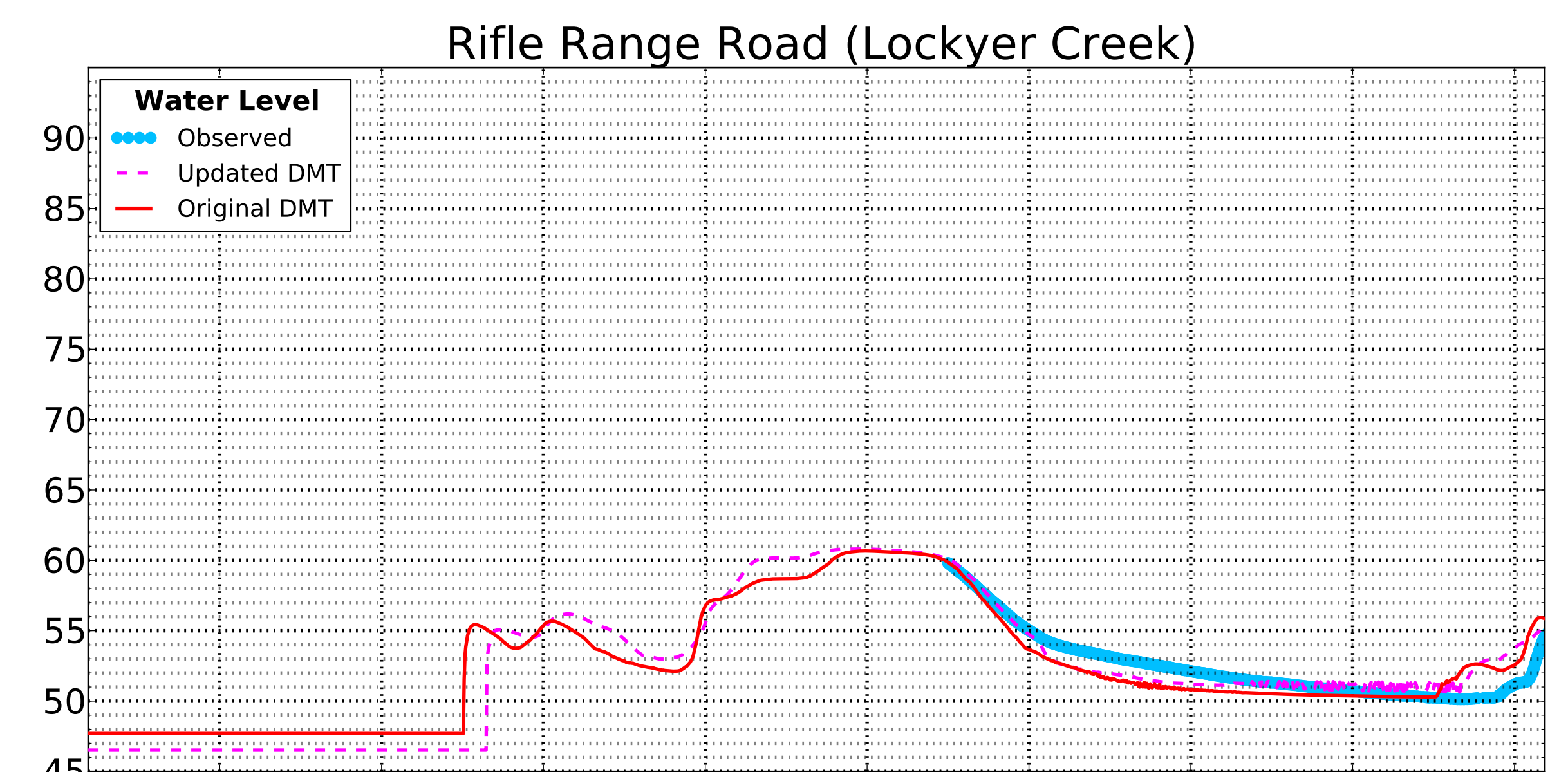
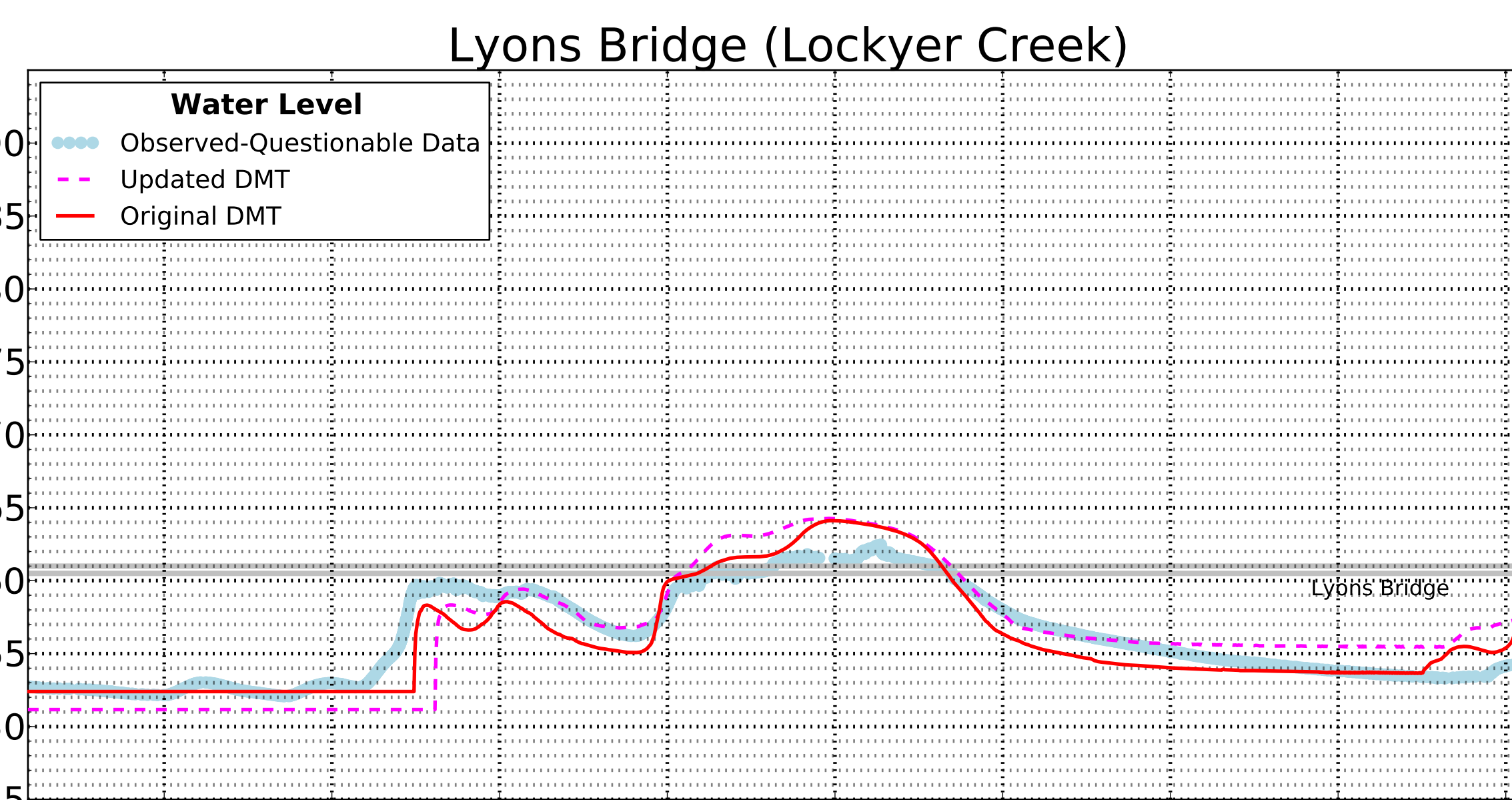
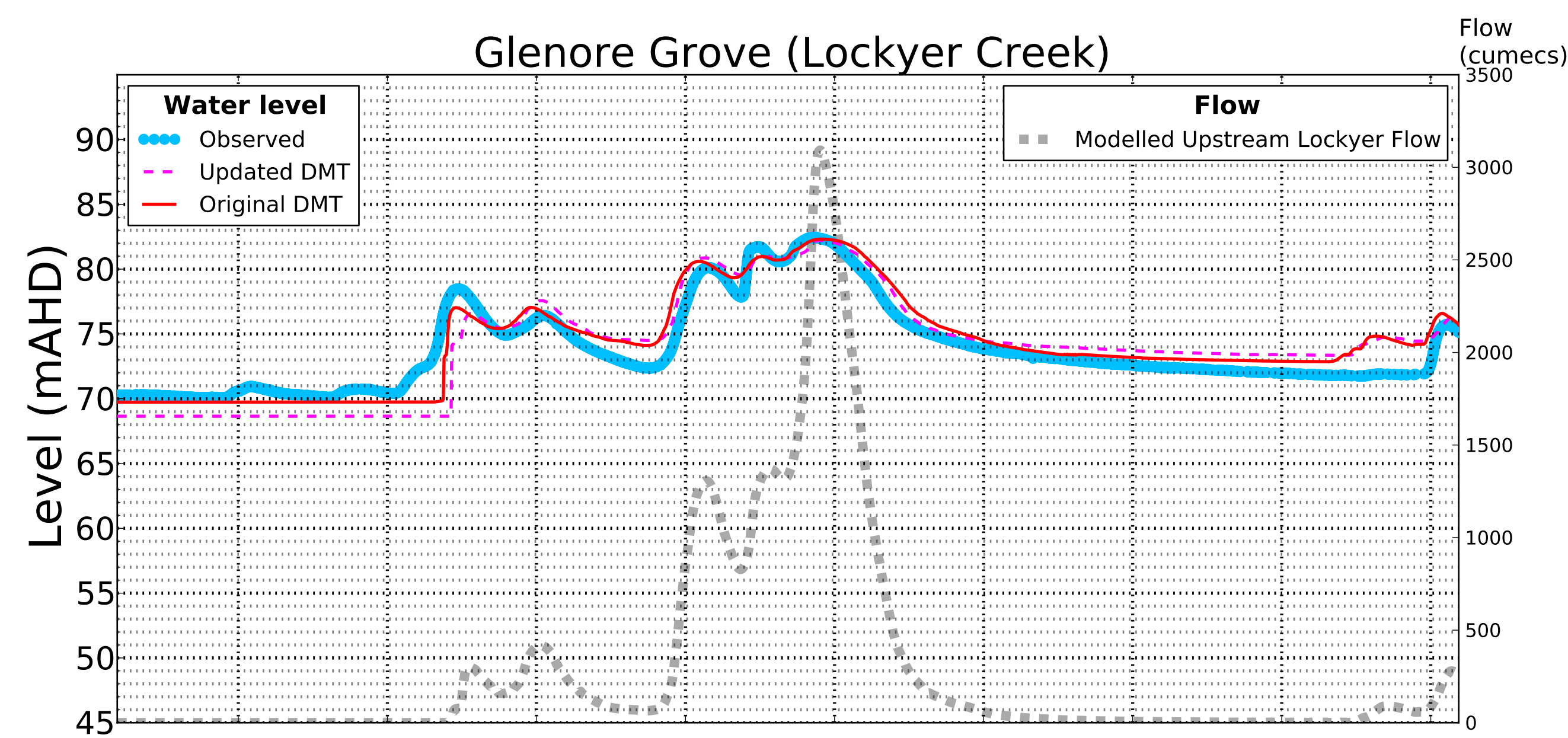
- Plot 55 ST03 URBS Alpha Values ±20% – 2011 Lockyer Creek Water Level Gauges
- Plot 56 ST03 URBS Alpha Values ±20% – 2011 Bremer River Water Level Gauges
- Plot 57 ST03 URBS Alpha Values ±20% – 2011 Brisbane River Water Level Gauges
- Plot 58 ST03 URBS Alpha Values ±20% – 2011 Brisbane River Longitudinal Profiles
- Plot 59 ST03 URBS Alpha Values ±20% – 2011 Lockyer / Bremer Longitudinal Profiles
- Plot 60 ST03 URBS Alpha Values ±20% – 2011 Centenary Bridge Flow Recordings

ST04 URBS Beta Values ±10%

- Plot 61 ST04 URBS Beta Values ±20% – 2011 Lockyer Creek Water Level Gauges
- Plot 62 ST04 URBS Beta Values ±20% – 2011 Bremer River Water Level Gauges
- Plot 63 ST04 URBS Beta Values ±20% – 2011 Brisbane River Water Level Gauges
- Plot 64 ST04 URBS Beta Values ±20% – 2011 Brisbane River Longitudinal Profiles
- Plot 65 ST04 URBS Beta Values ±20% – 2011 Lockyer / Bremer Longitudinal Profiles
- Plot 66 ST04 URBS Beta Values ±20% – 2011 Centenary Bridge Flow Recordings

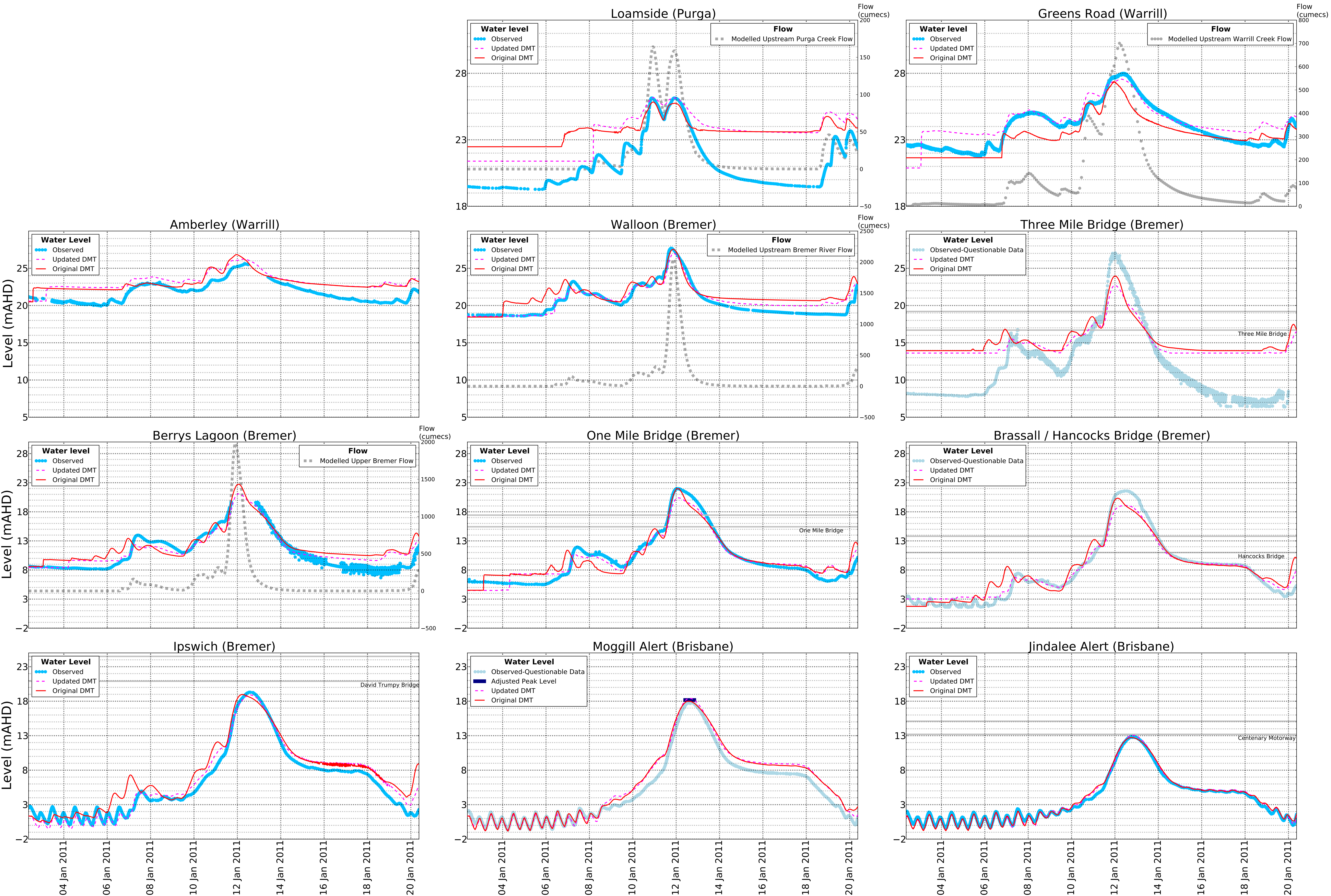
ST05 Inclusion of Lowood-Fernvale Cross-Sections

- Plot 67 ST05 Lowood-Fernvale Cross-Sections – 2011 Lockyer Creek Water Level Gauges
- Plot 68 ST05 Lowood-Fernvale Cross-Sections – 2011 Bremer River Water Level Gauges
- Plot 69 ST05 Lowood-Fernvale Cross-Sections – 2011 Brisbane River Water Level Gauges
- Plot 70 ST05 Lowood-Fernvale Cross-Sections – 2011 Brisbane River Longitudinal Profiles
- Plot 71 ST05 Lowood-Fernvale Cross-Sections – 2011 Lockyer / Bremer Longitudinal Profiles
- Plot 72 ST05 Lowood-Fernvale Cross-Sections – 2011 Centenary Bridge Flow Recordings



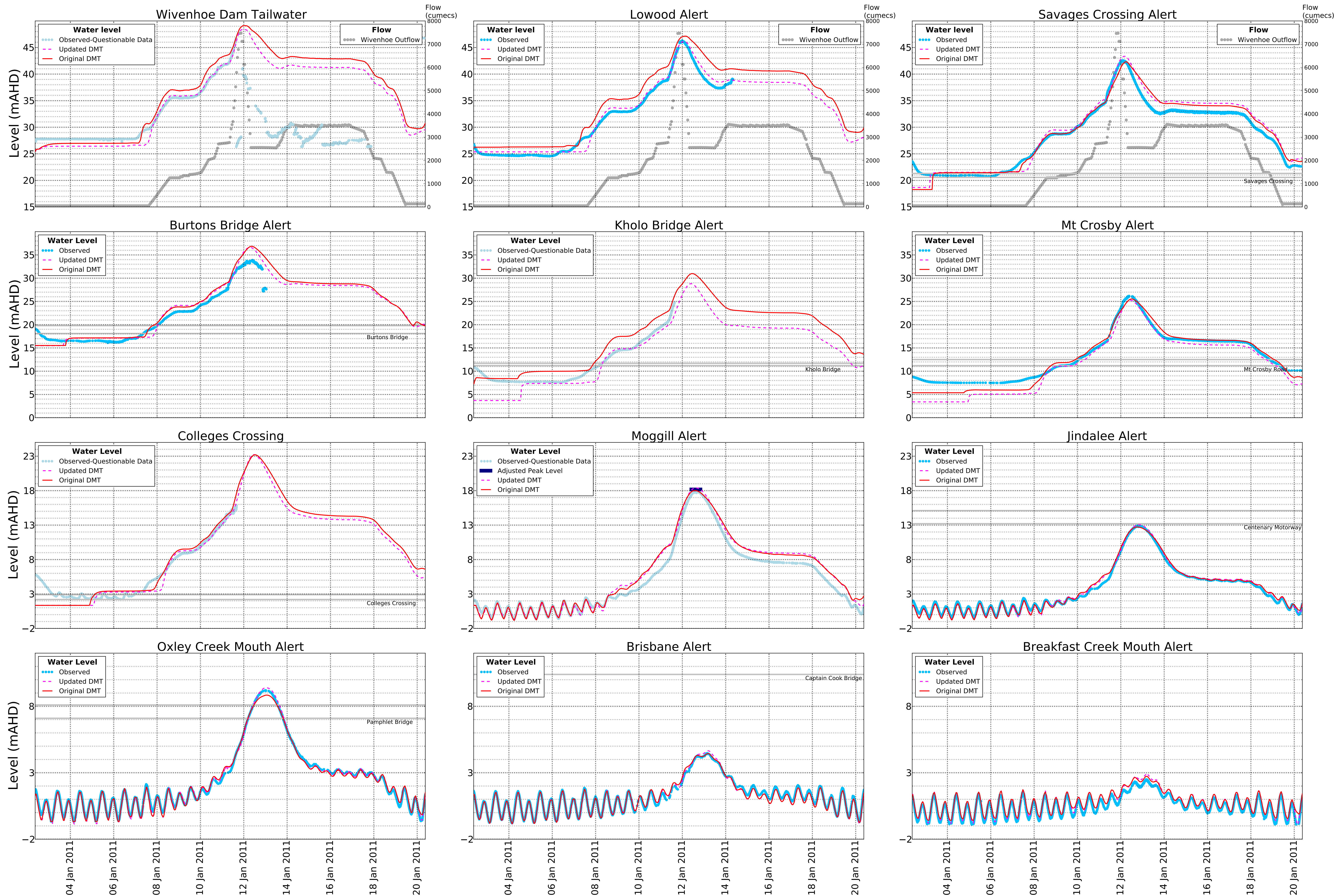
Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Updated DMT Version: 021_20m

Plot 01 UDMT & DMT 2011 Lockyer Creek Water Level Gauges



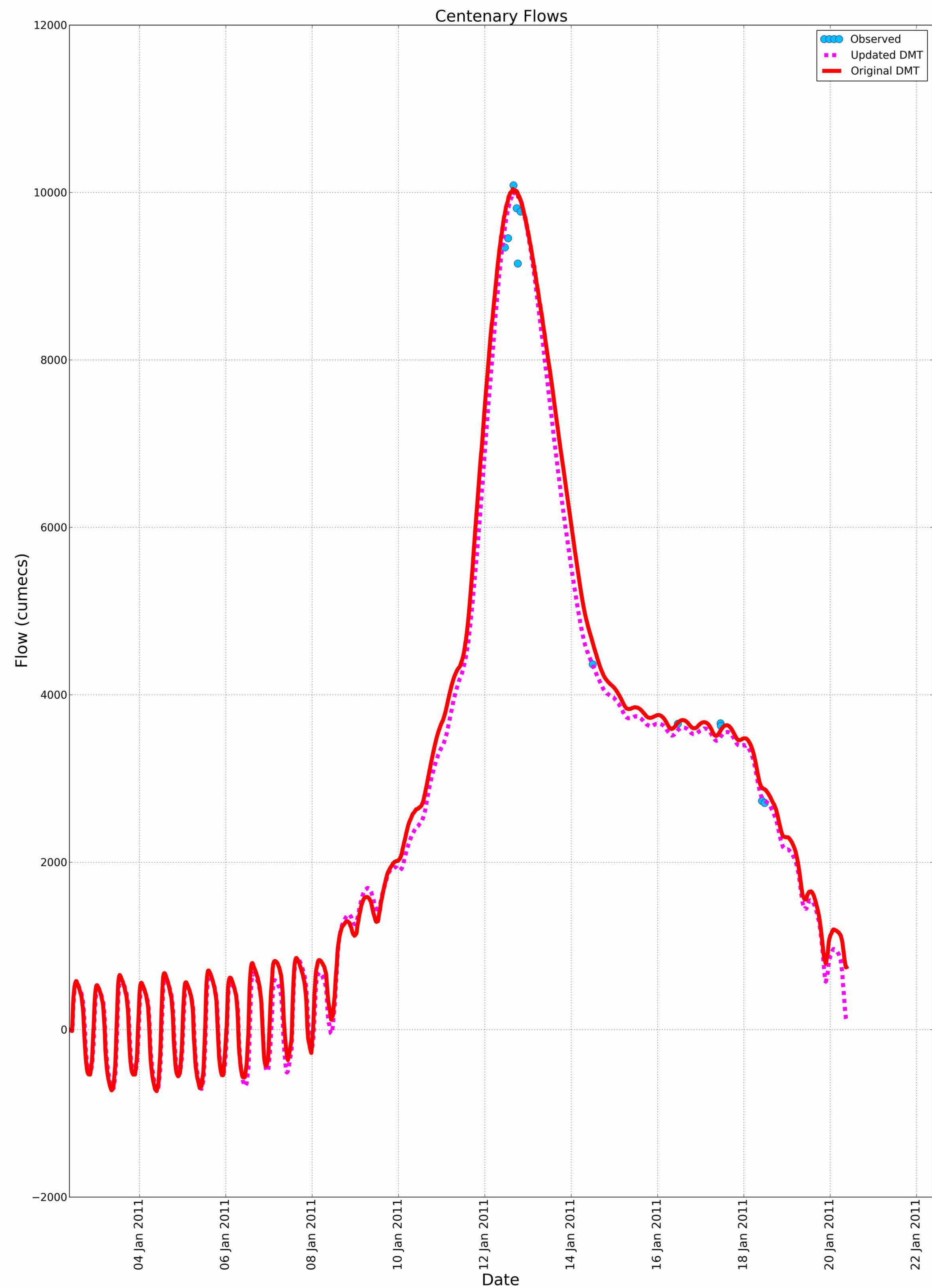
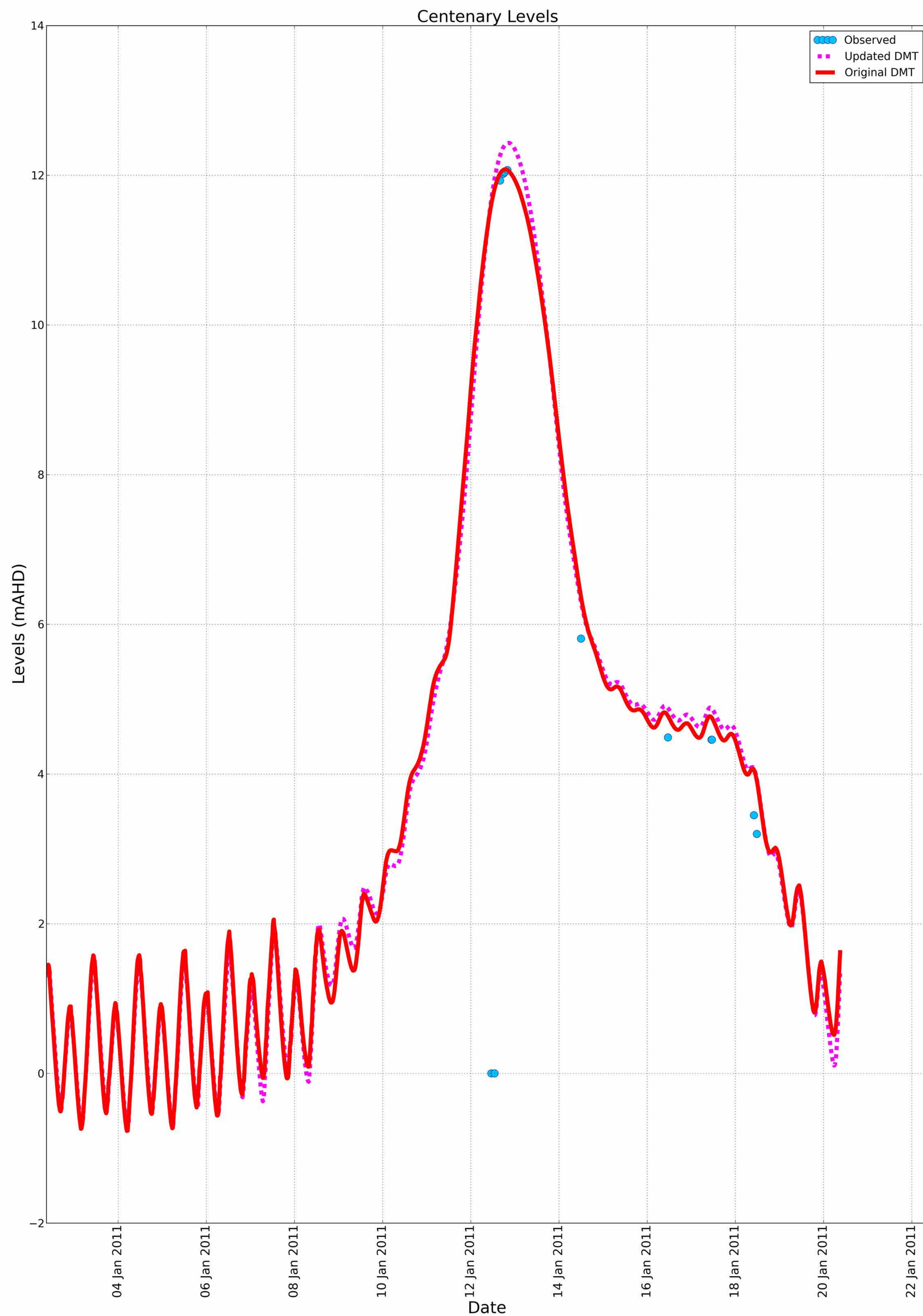
Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Updated DMT Version: 021_20m

Plot 02 UDMT & DMT 2011 Bremer River Water Level Gauges



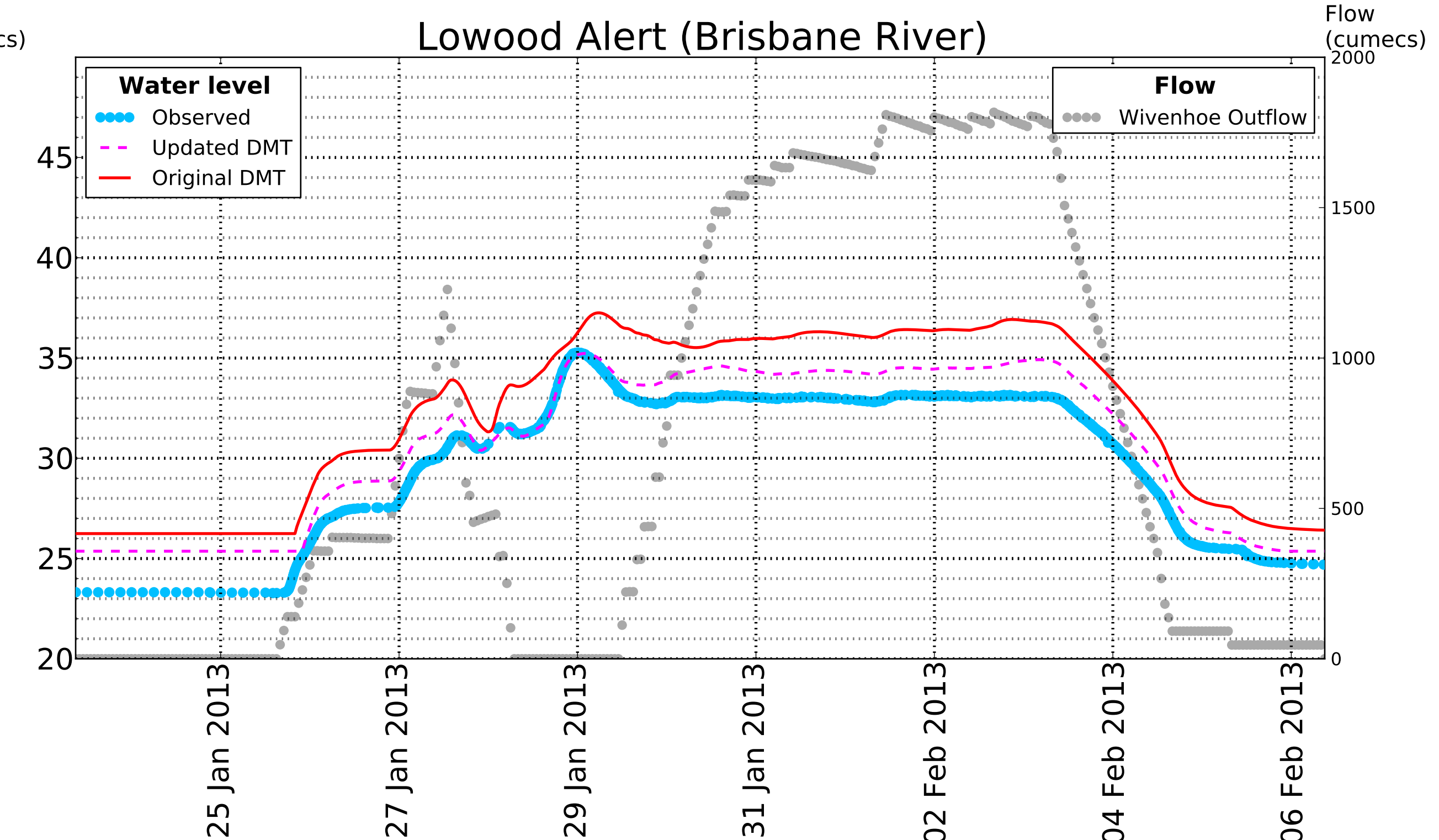
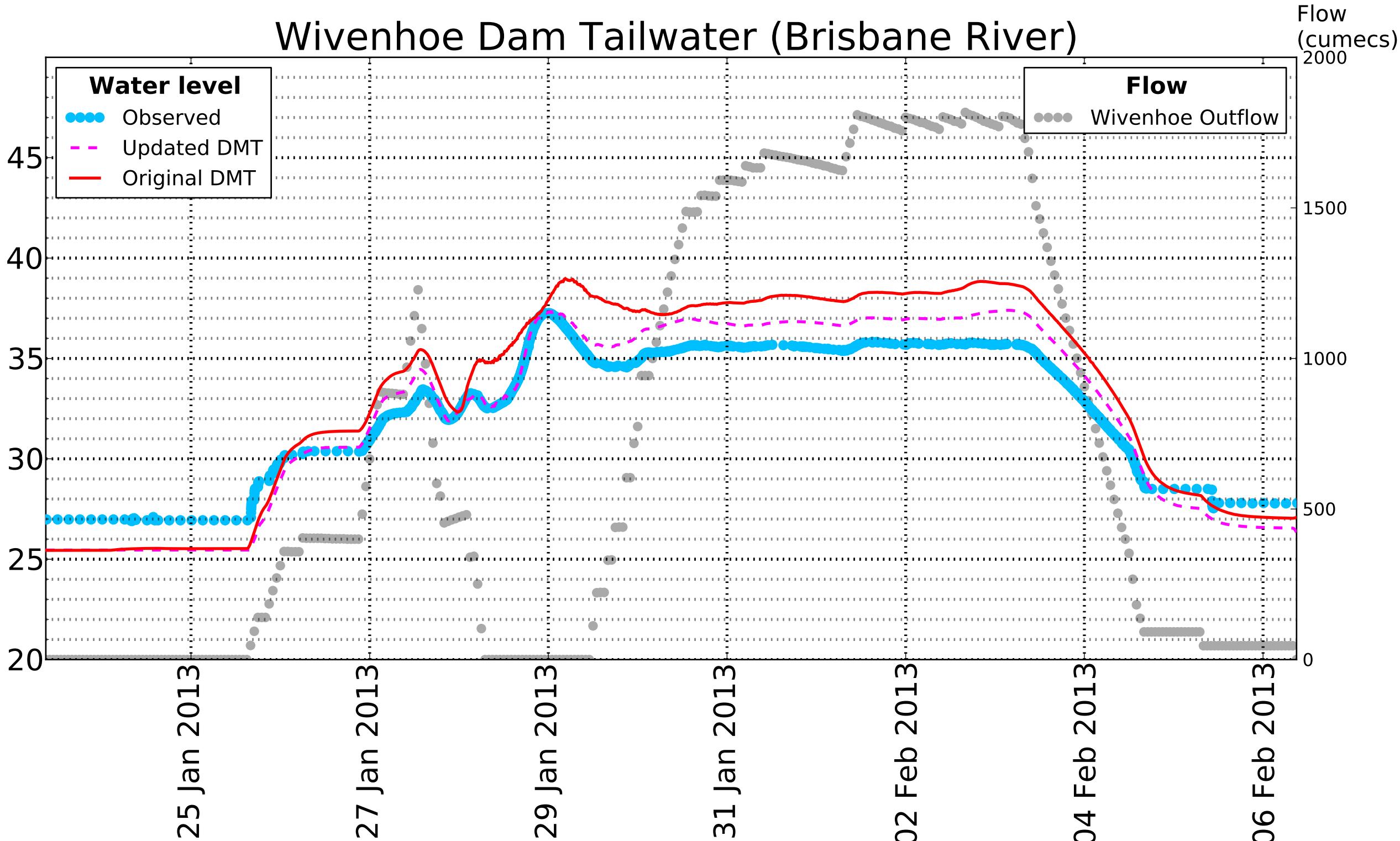
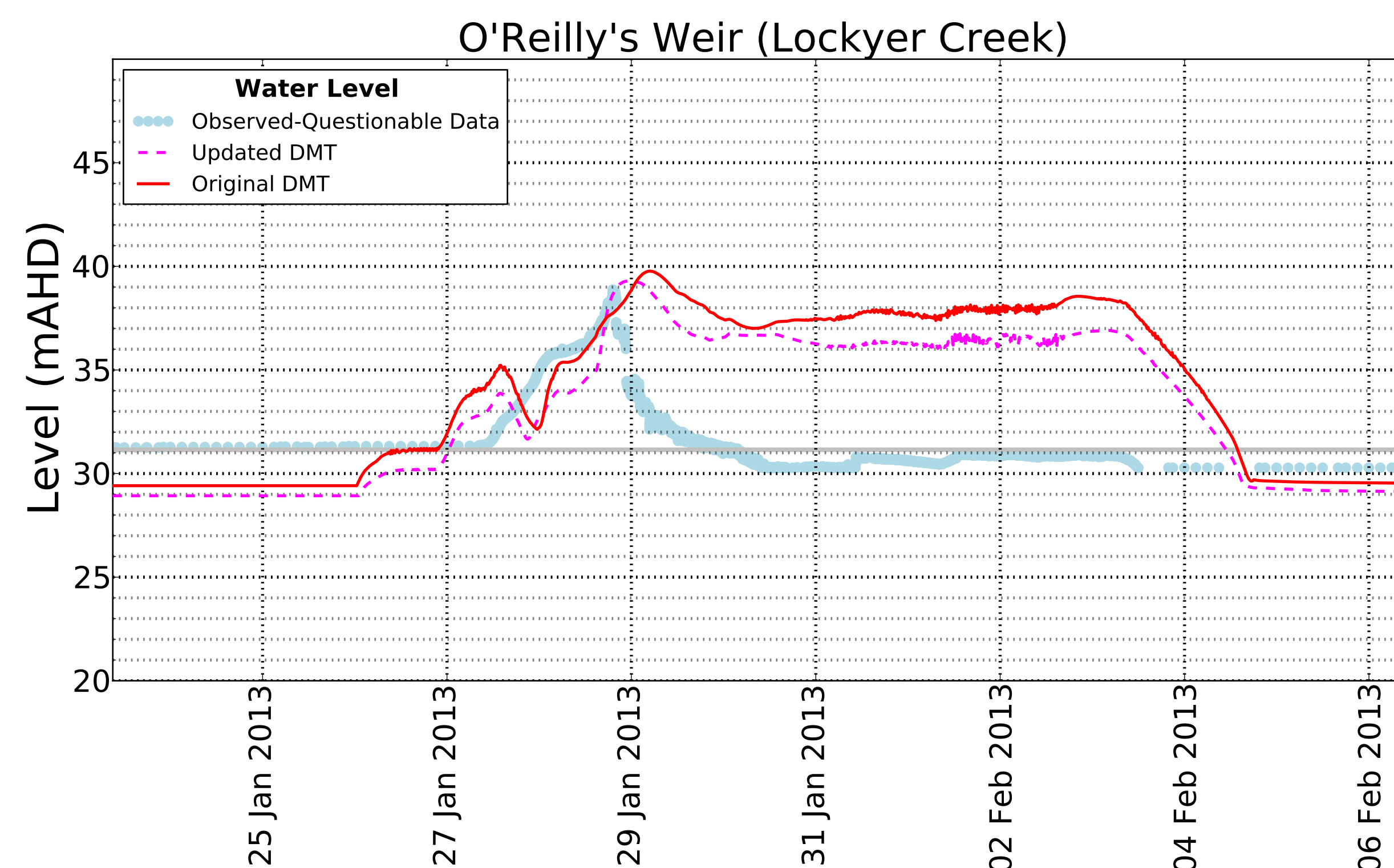
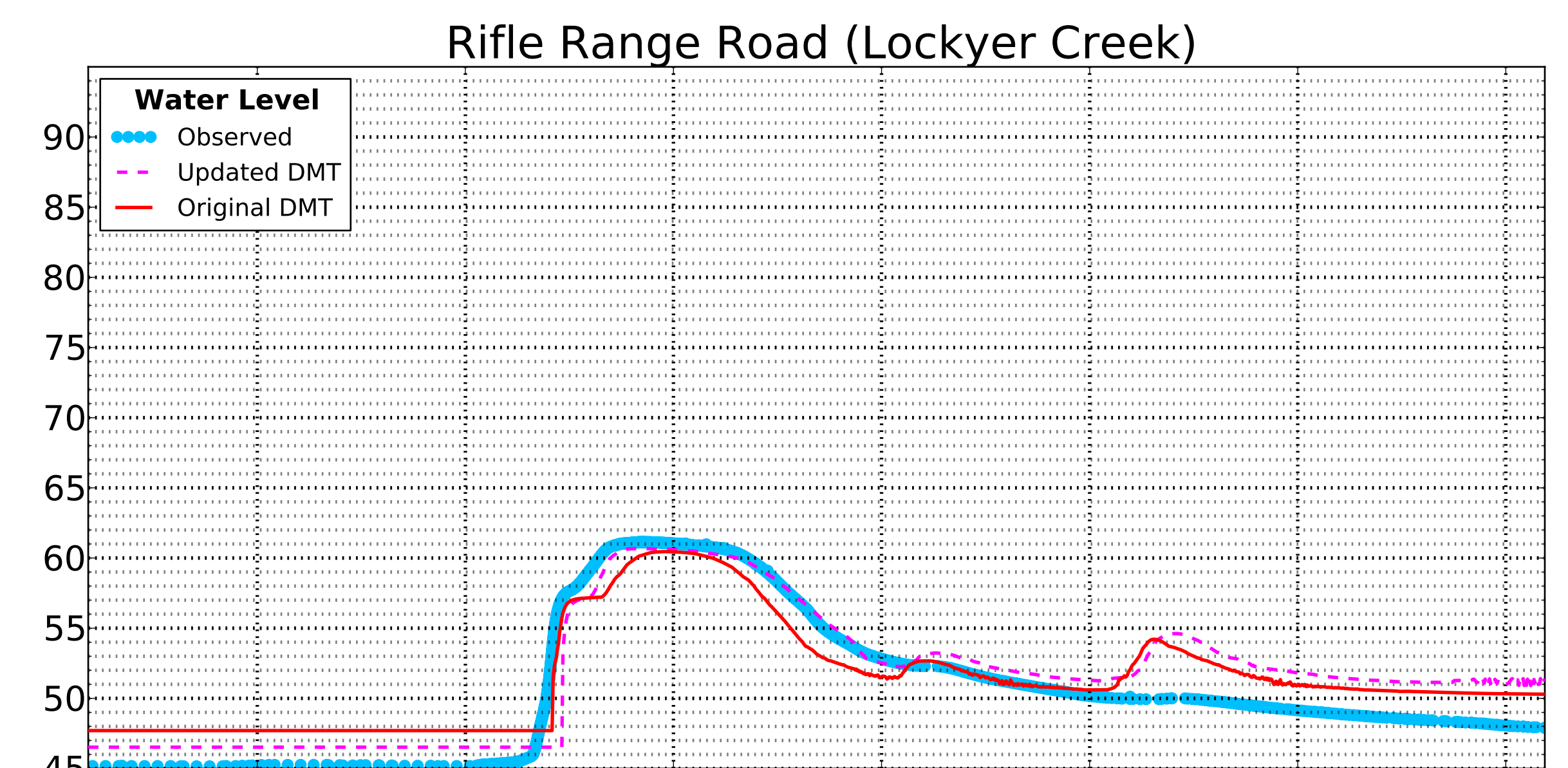
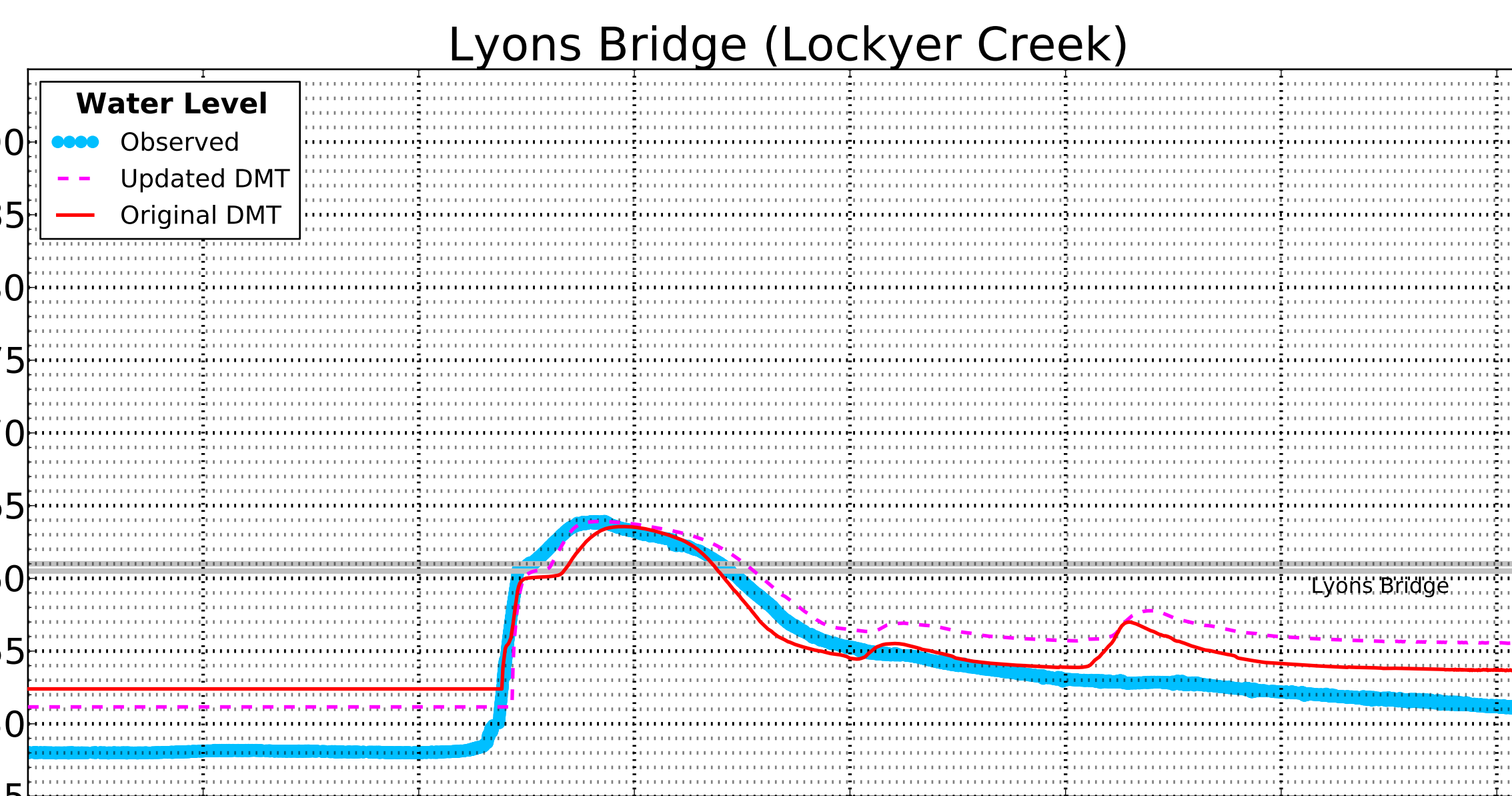
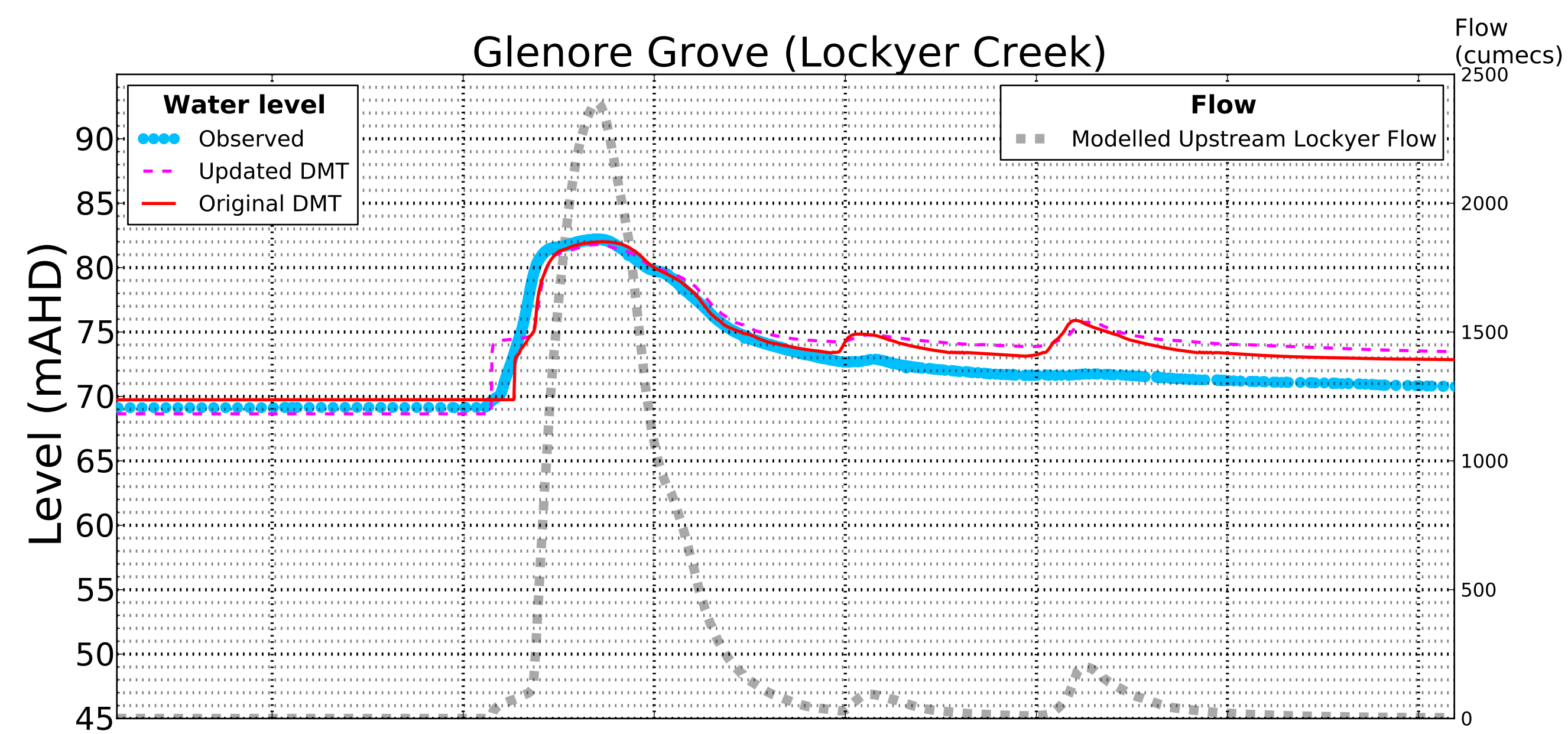
Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Updated DMT Version: 021_20m

Plot 03 UDMT & DMT 2011 Brisbane River Water Level Gauges



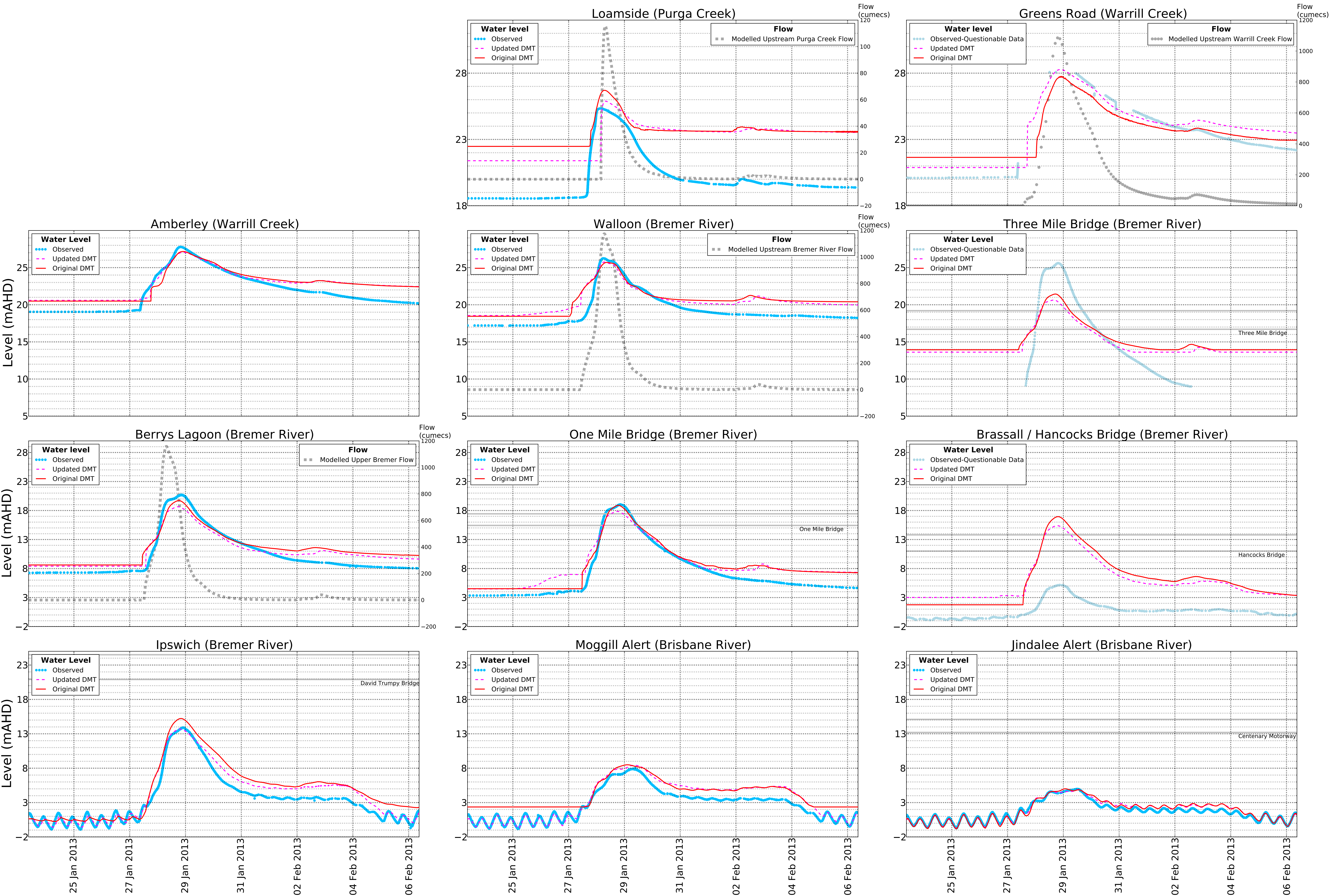
Date Labels are at 00:00 hours on that date
Updated DMT Version: 021_20m

Plot 04 UDMT & DMT 2011 Centenary Bridge Flow Recordings



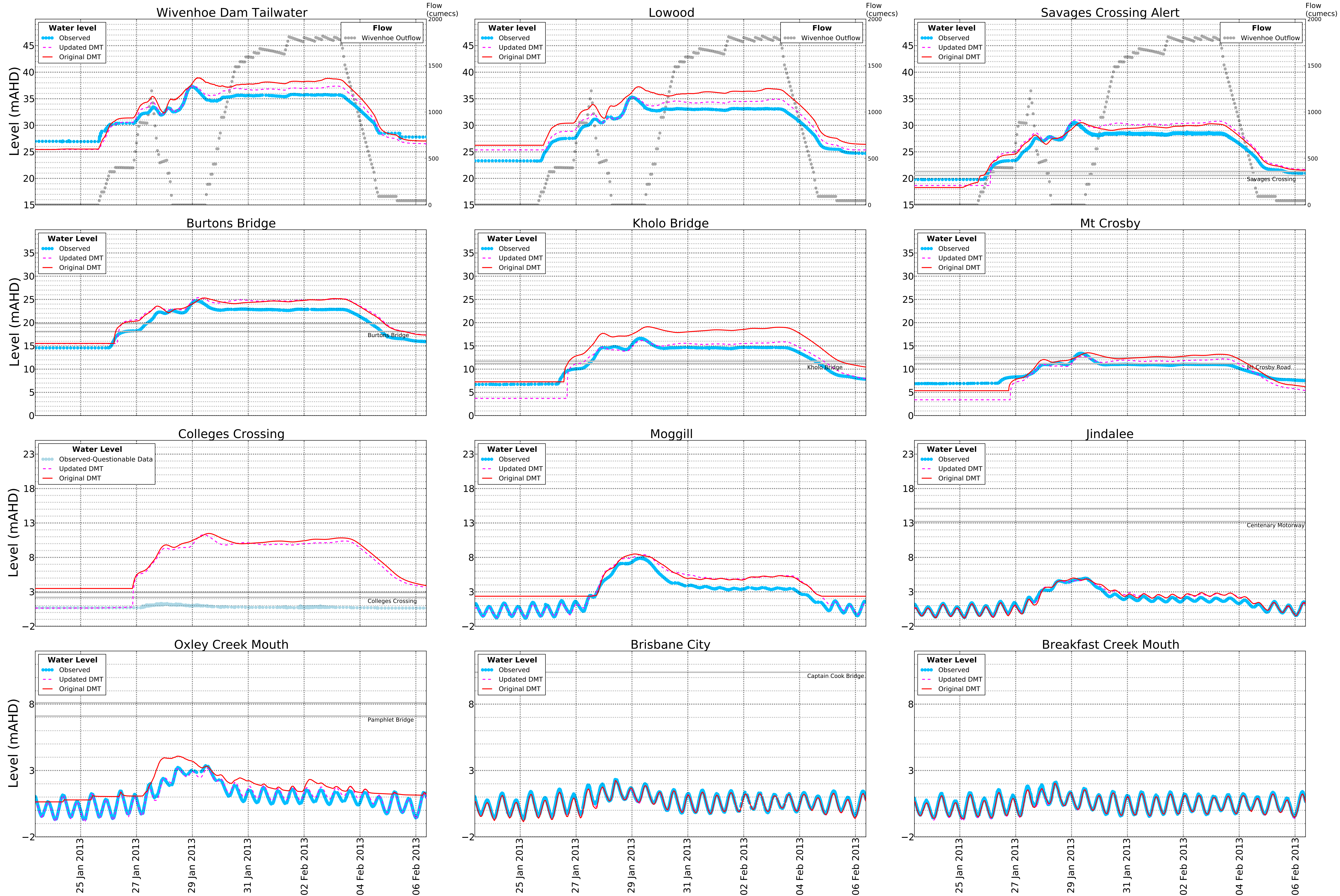
Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Updated DMT Version: 021_20m

Plot 05 UDMT & DMT 2013 Lockyer Creek Water Level Gauges



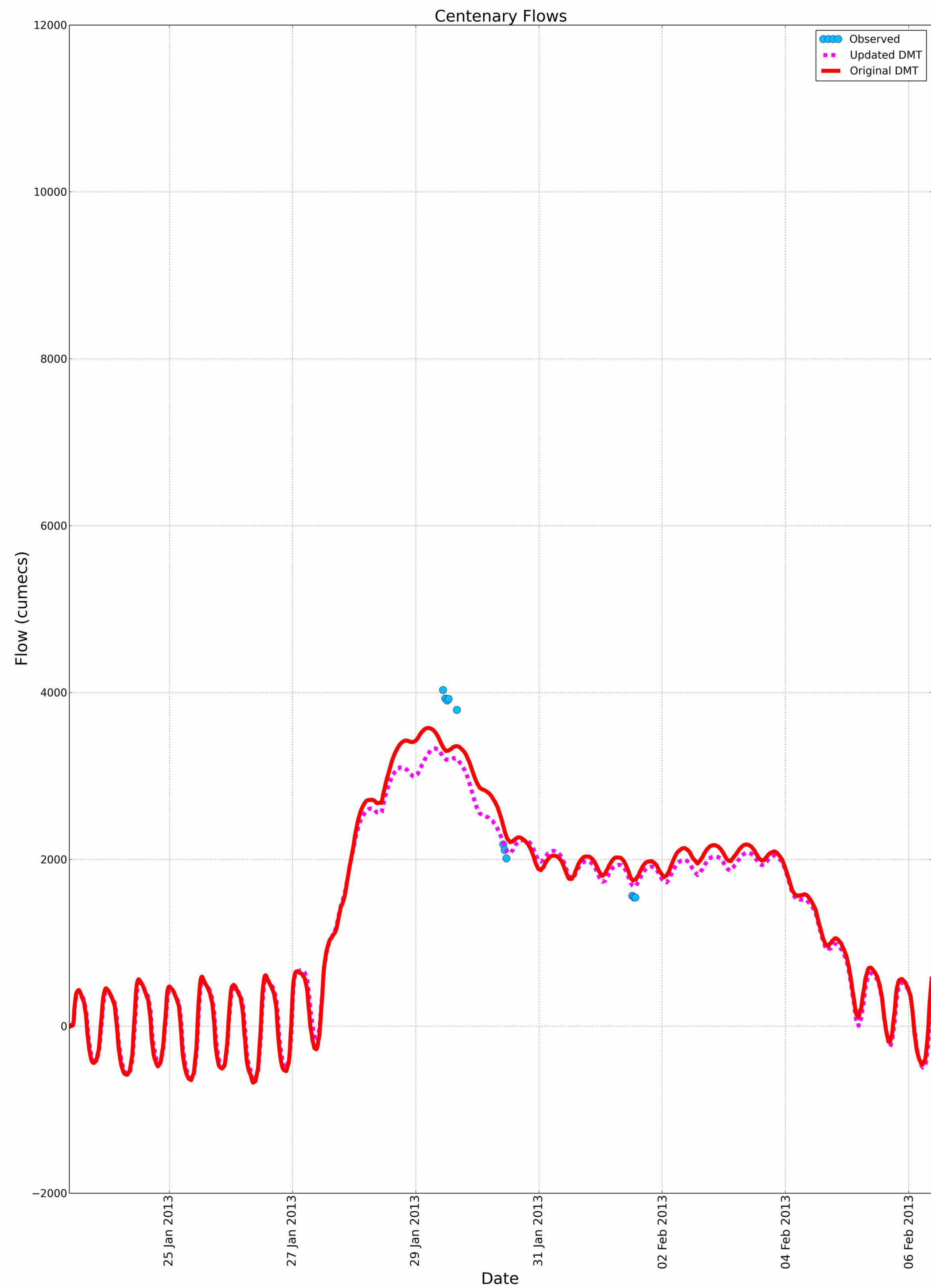
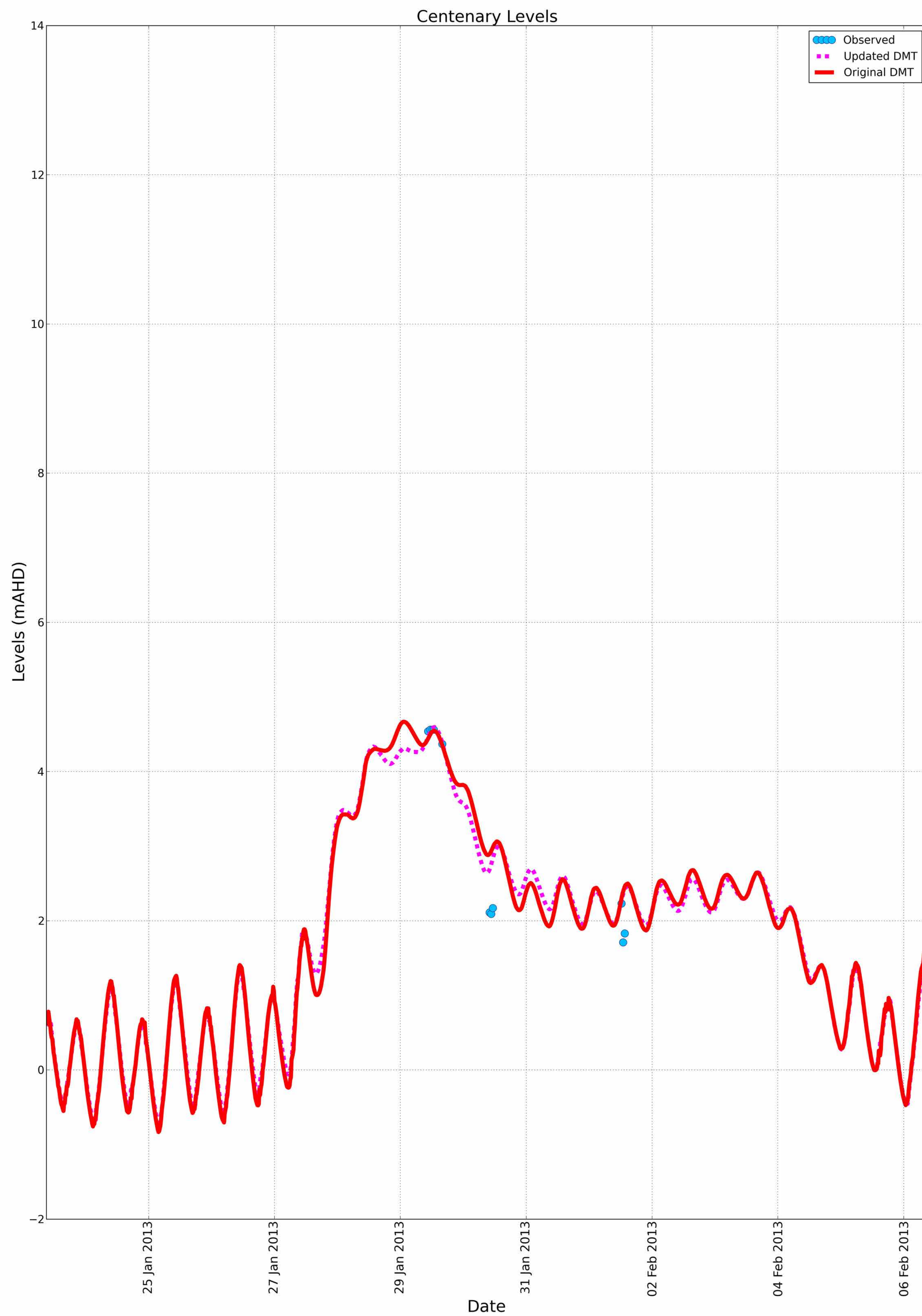
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Updated DMT Version: 021_20m

Plot 06 UDMT & DMT 2013 Bremer River Water Level Gauges



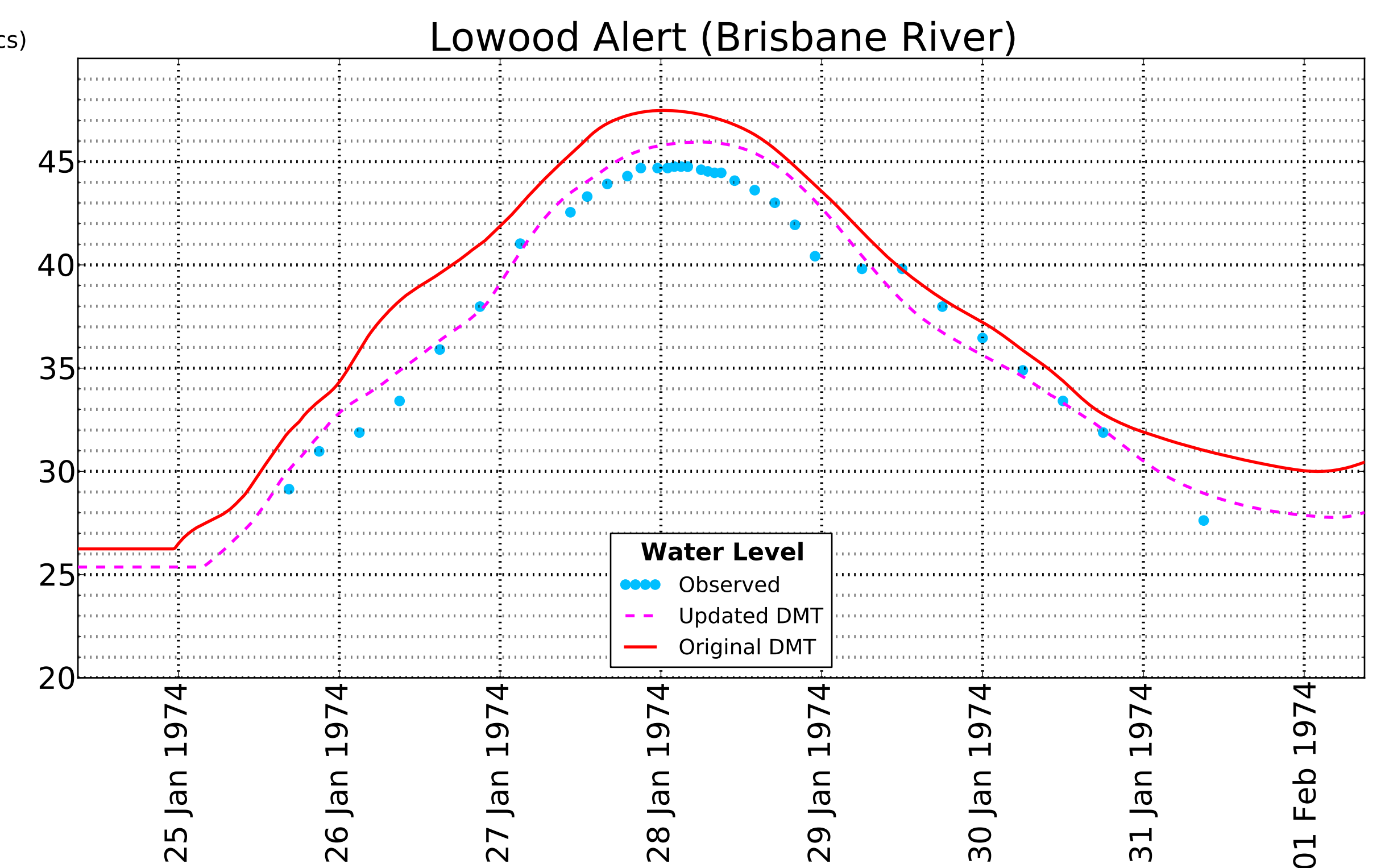
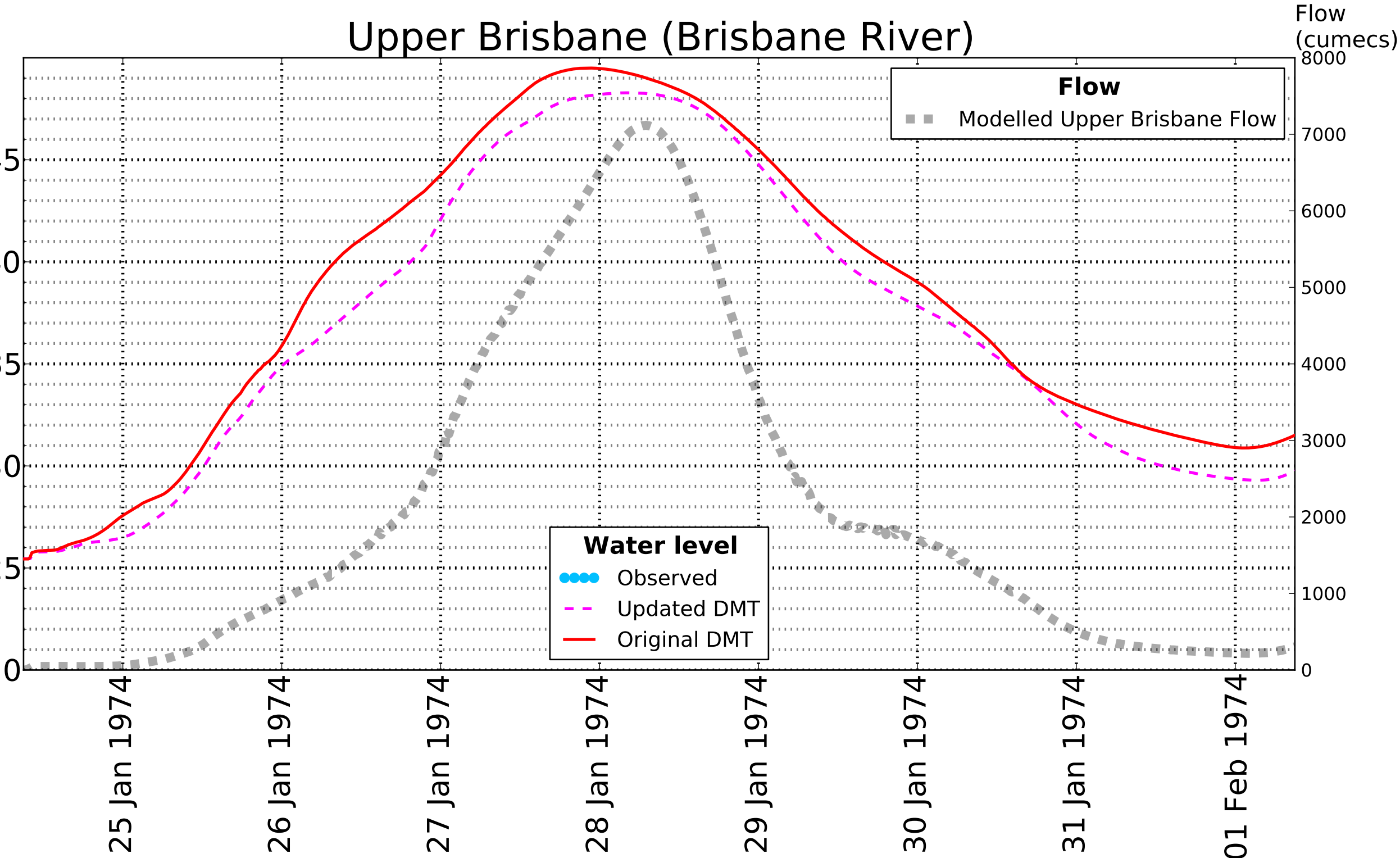
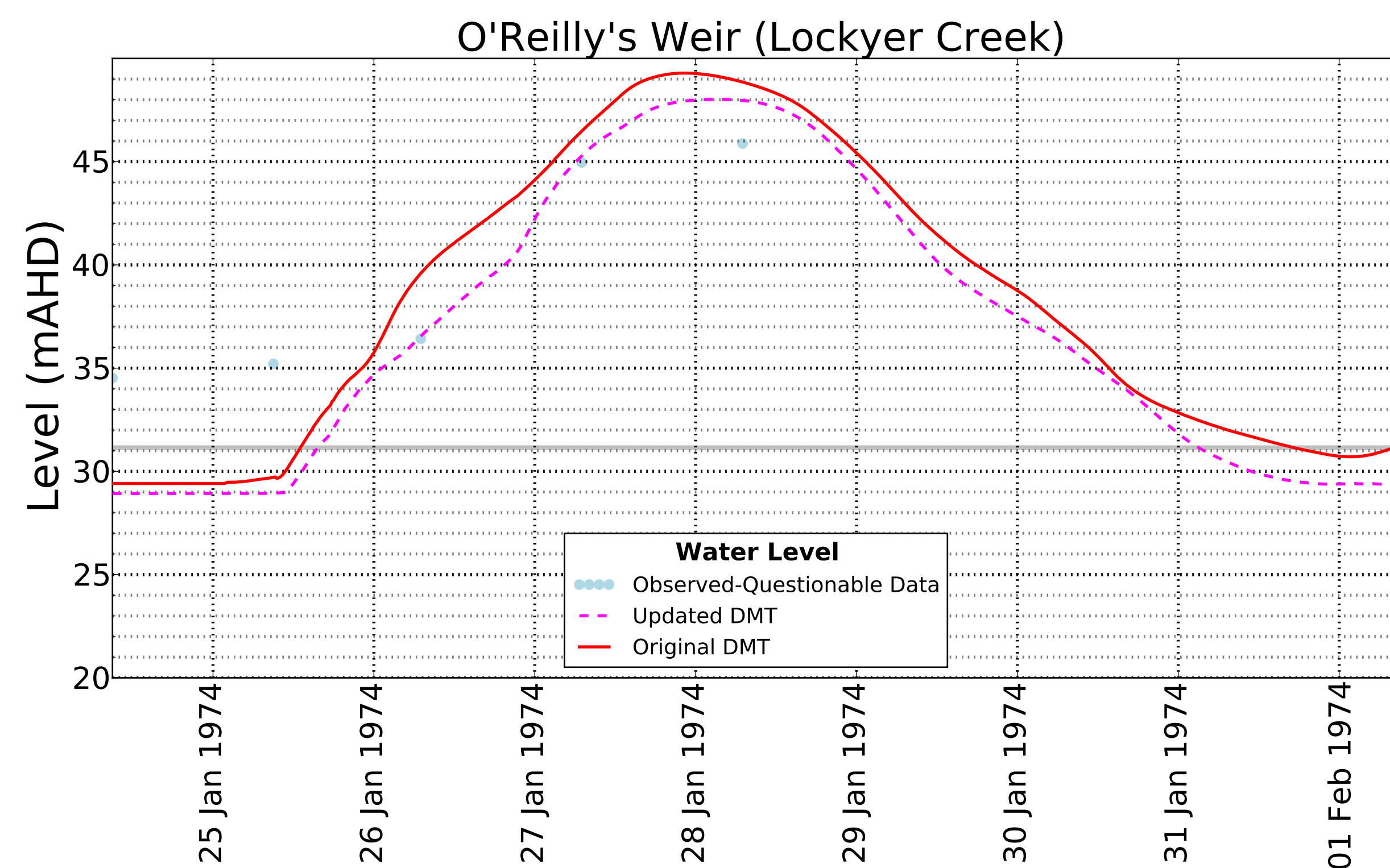
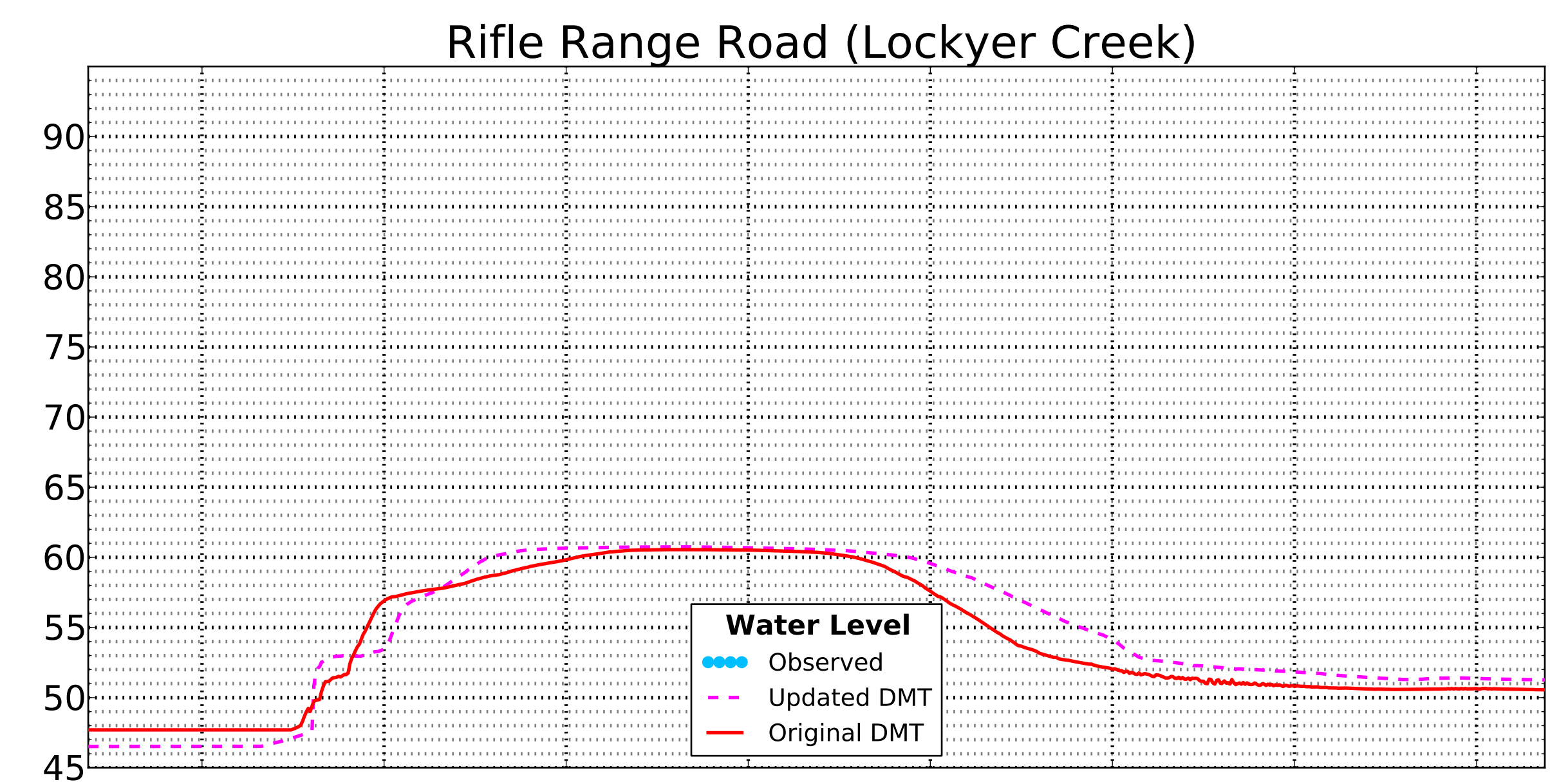
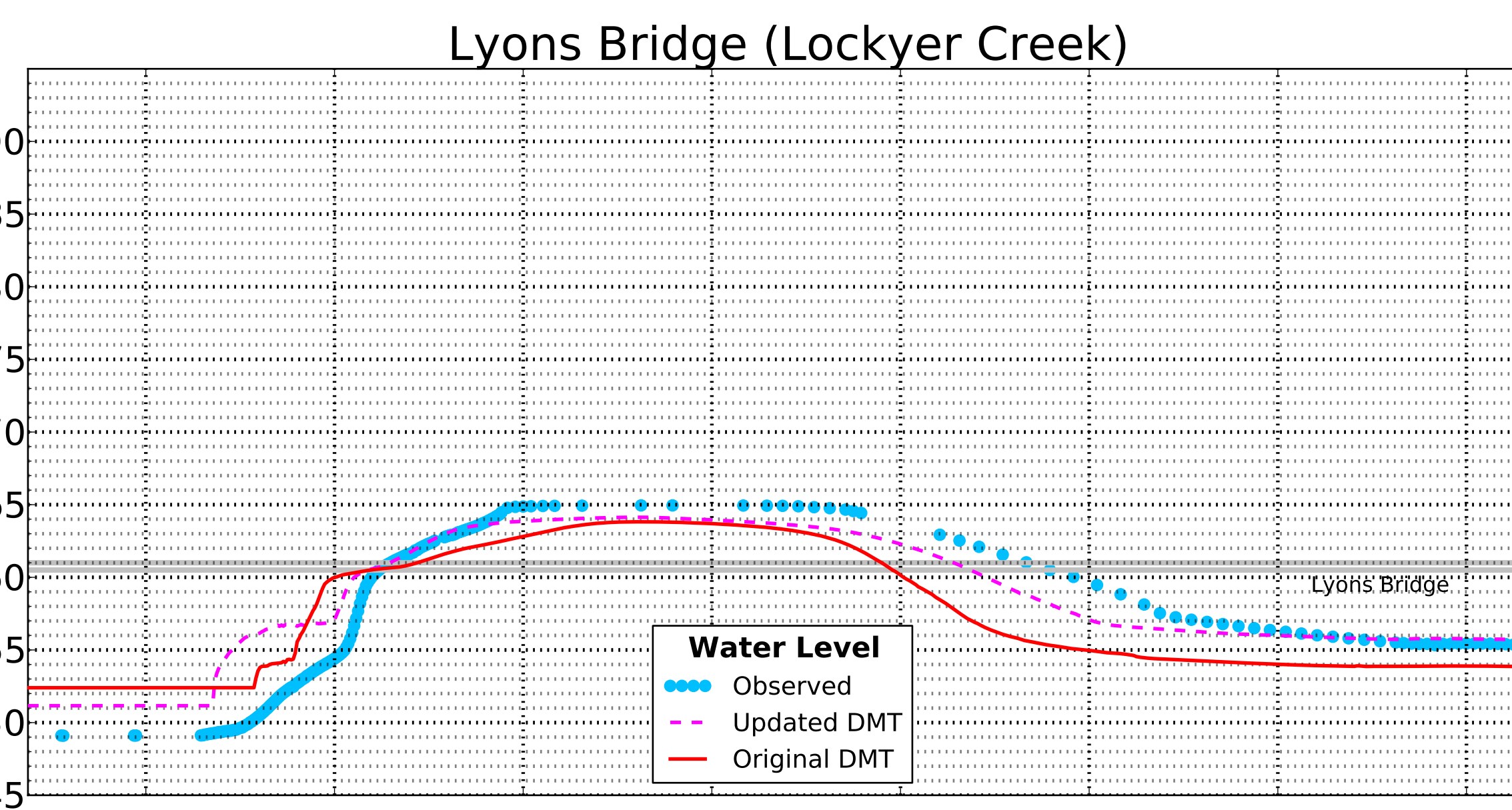
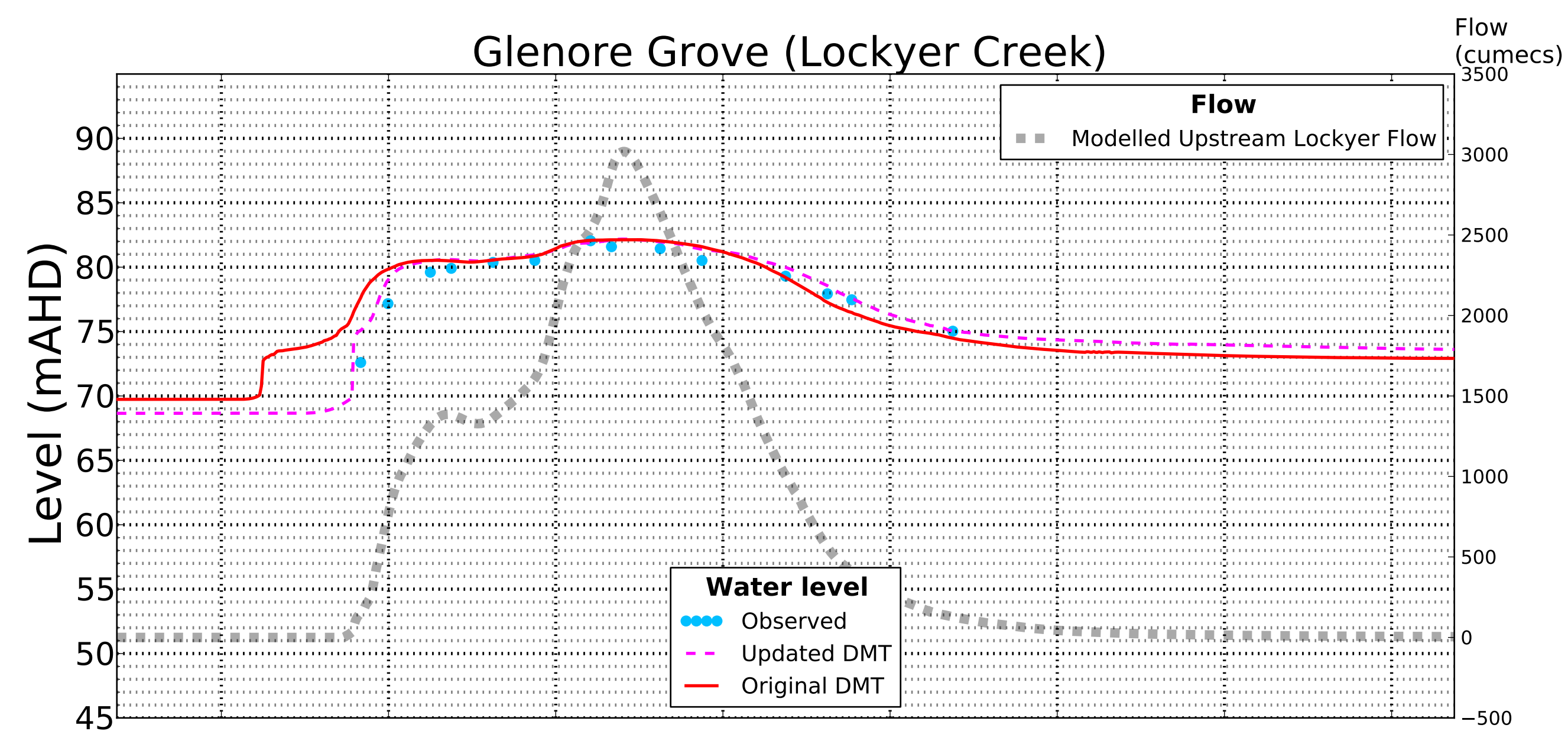
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Updated DMT Version: 021_20m

Plot 07 UDMT & DMT 2013 Brisbane River Water Level Gauges



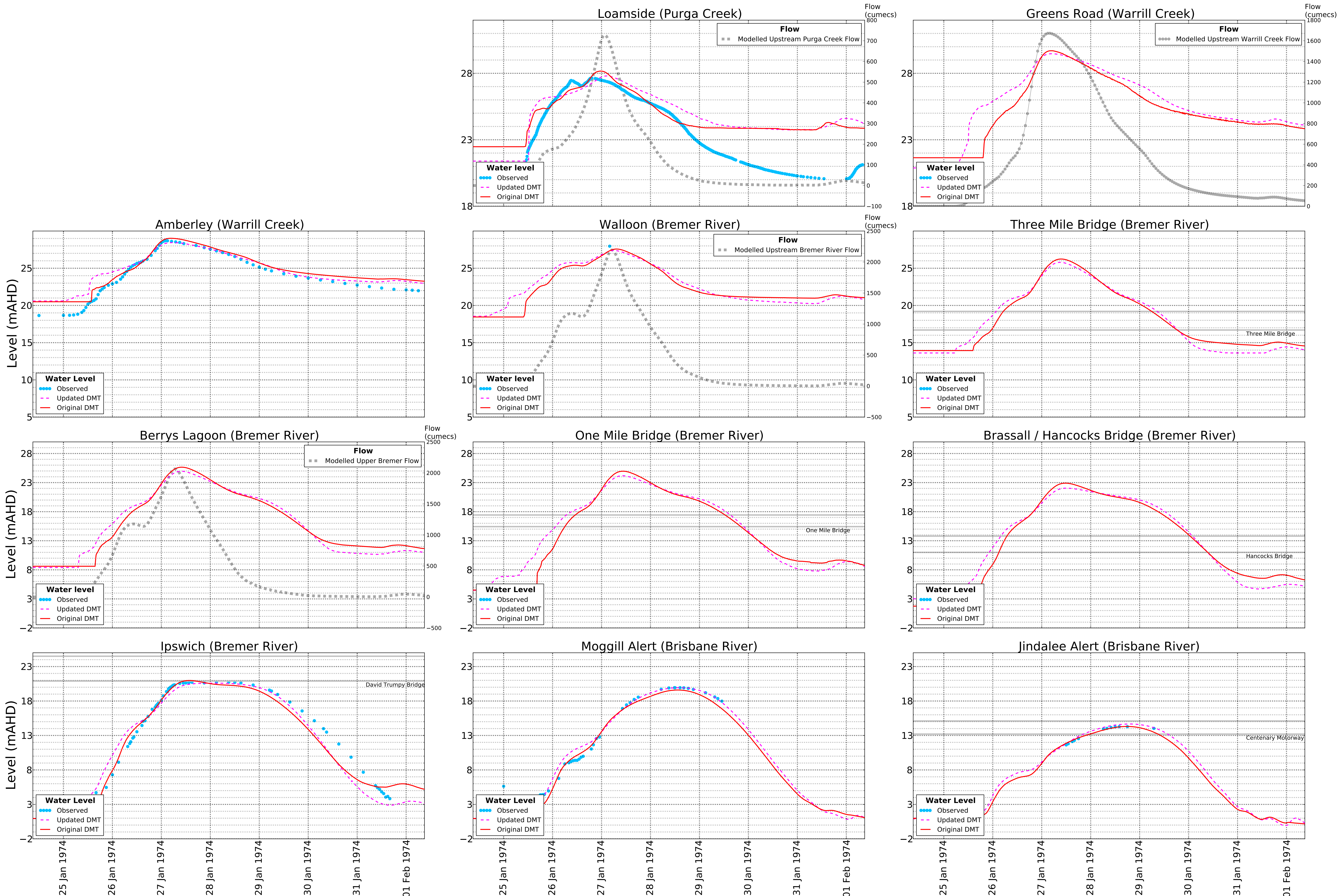
Date Labels are at 00:00 hours on that date
Updated DMT Version: 021_20m

Plot 08 UDMT & DMT 2013 Centenary Bridge Flow Recordings



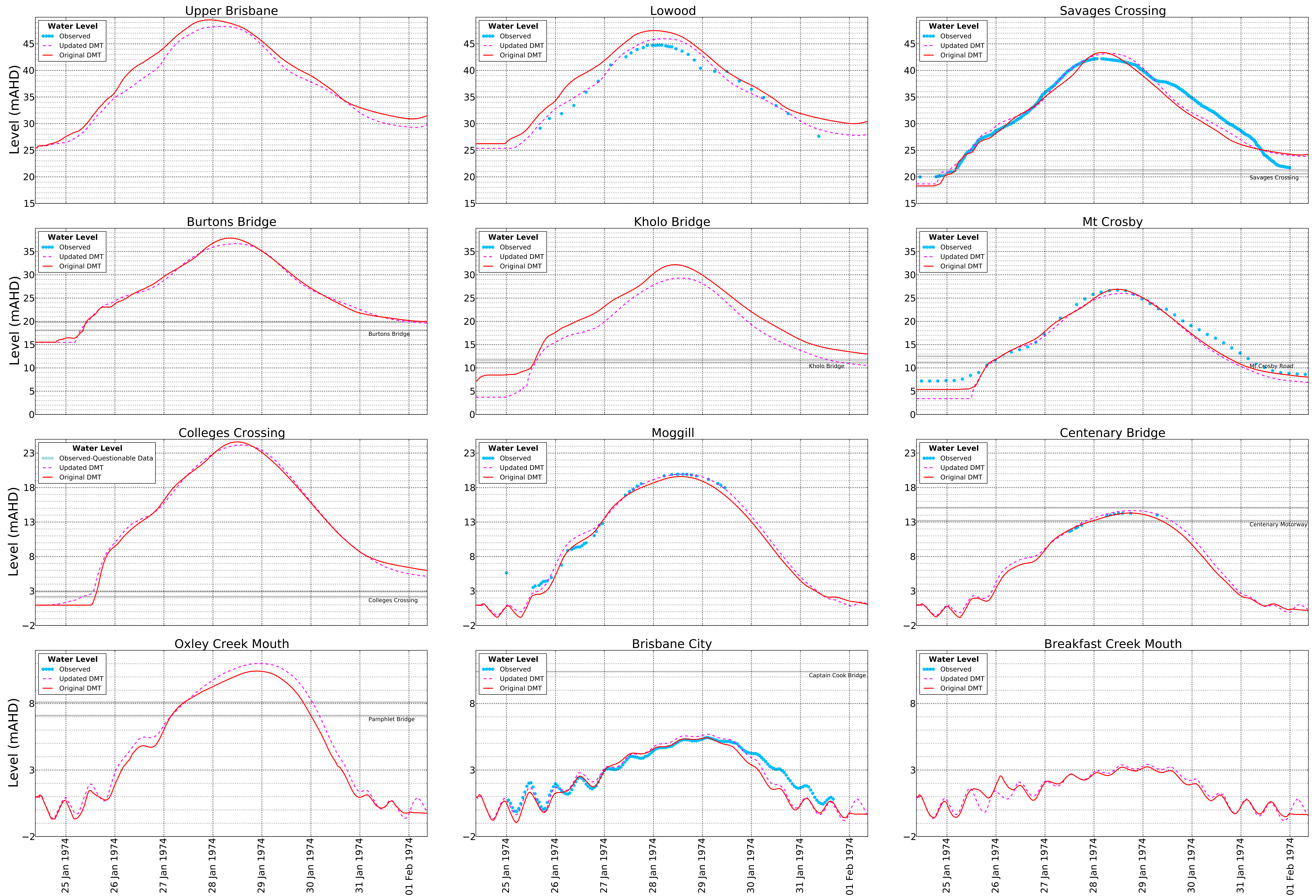
Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Updated DMT Version: 021_20m

Plot 09 UDMT & DMT 1974 Lockyer Creek Water Level Gauges



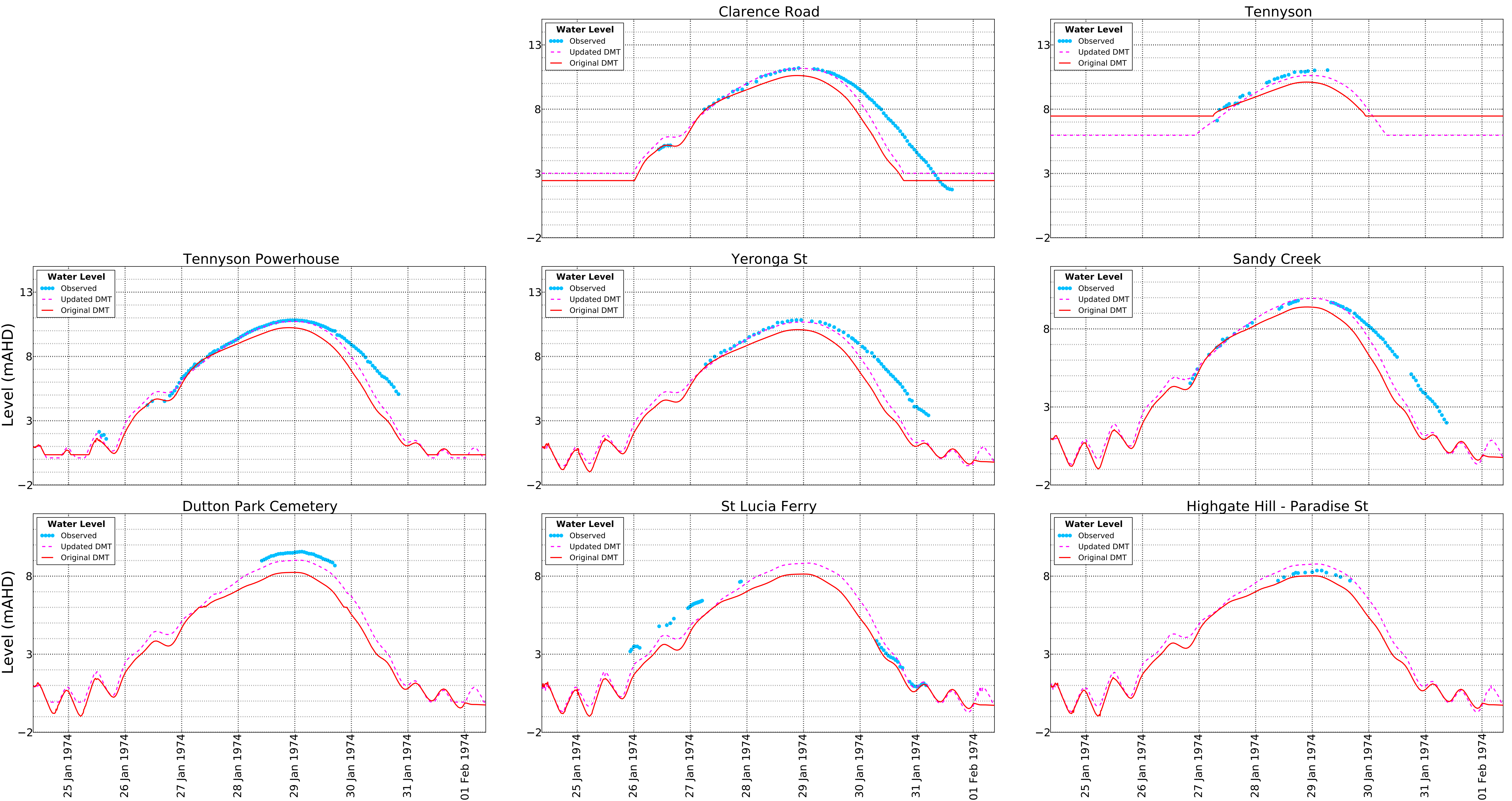
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Updated DMT Version: 021_20m

Plot 10 UDMT & DMT 1974 Bremer River Water Level Gauges



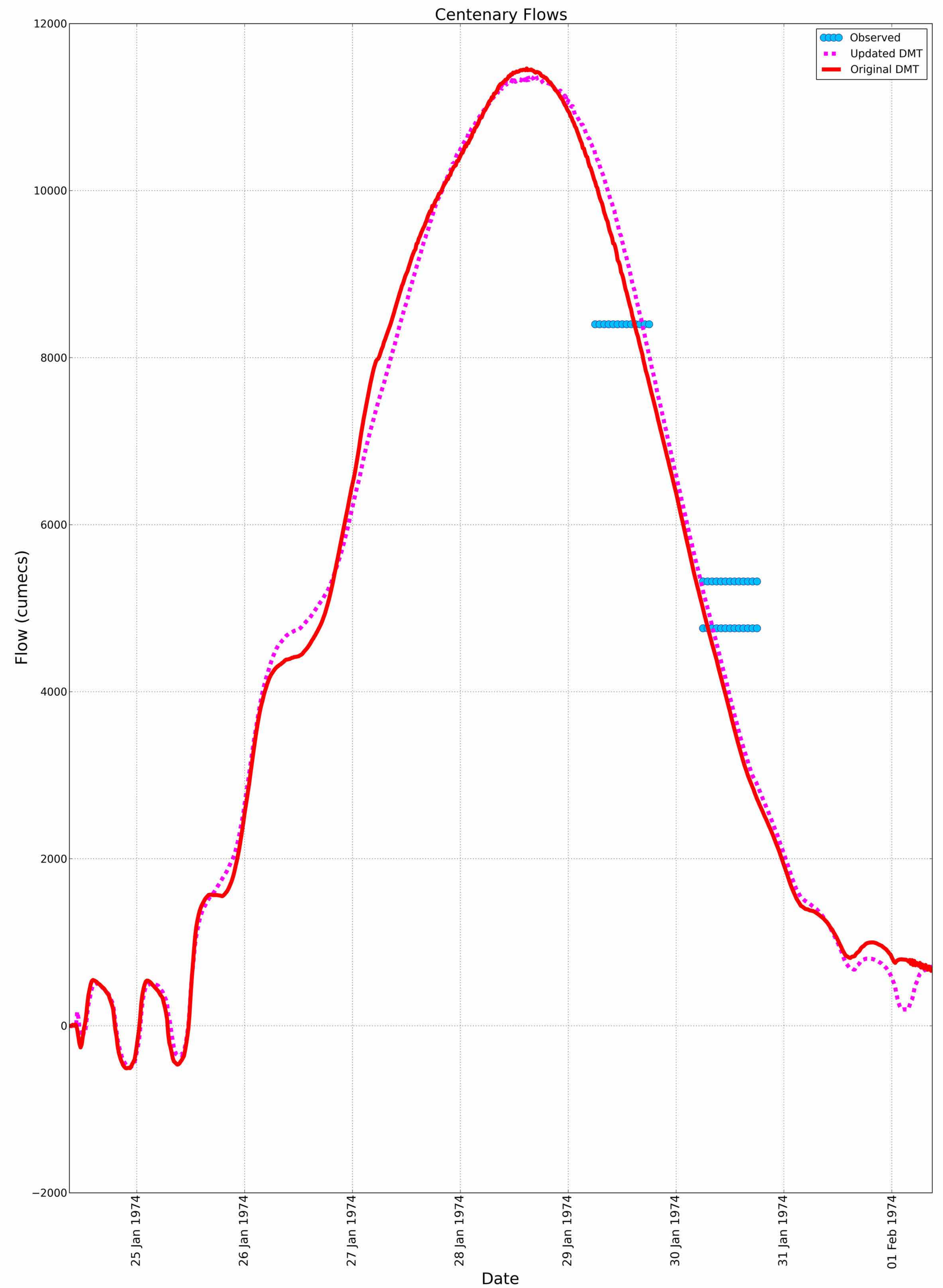
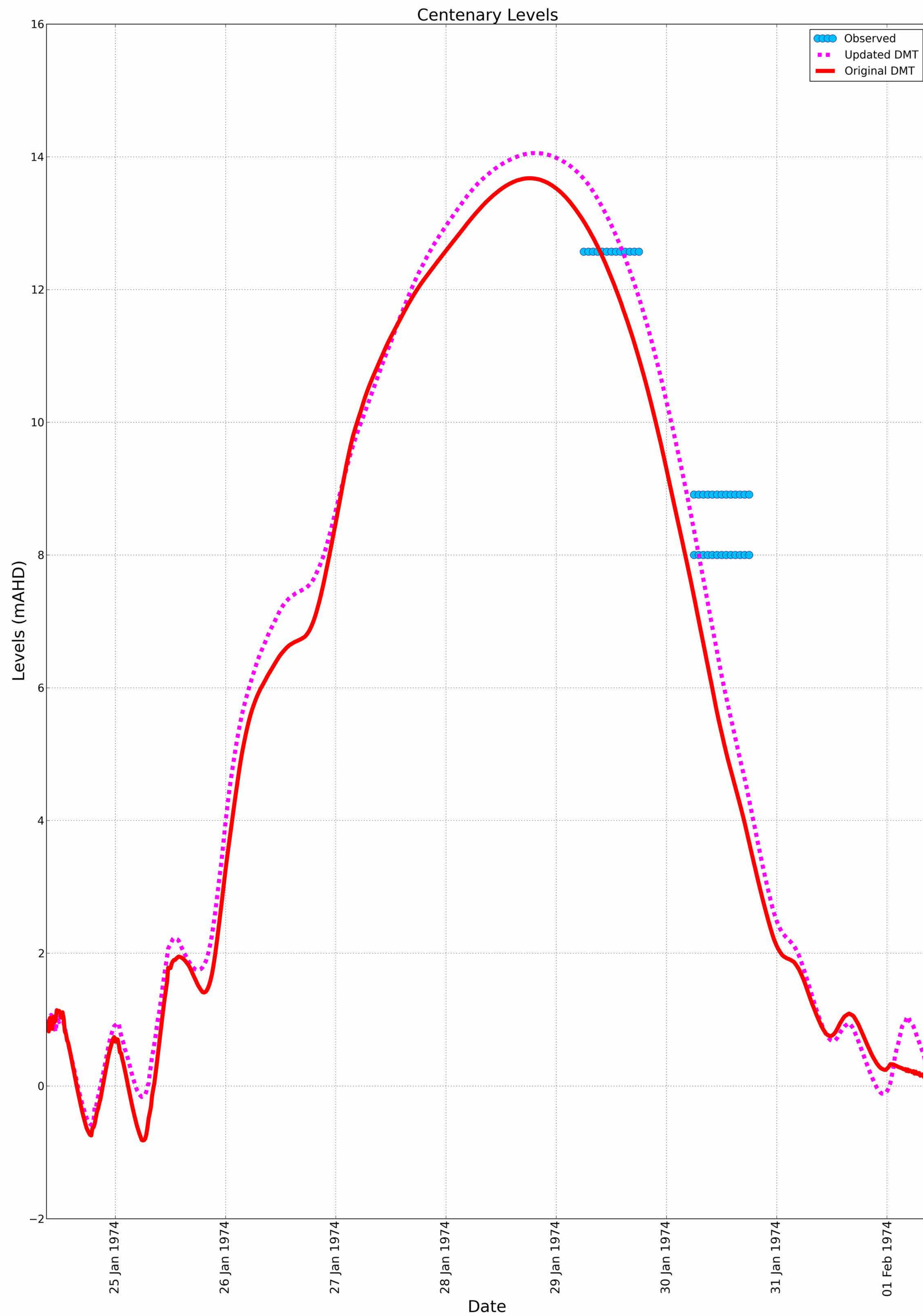
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Updated DMT Version: 021_20m

Plot 11 UDMT & DMT 1974 Brisbane River Water Level Gauges



Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Updated DMT Version: 021_20m

Plot 12 UDMT & DMT 1974 Brisbane River Water Level Additional Gauges

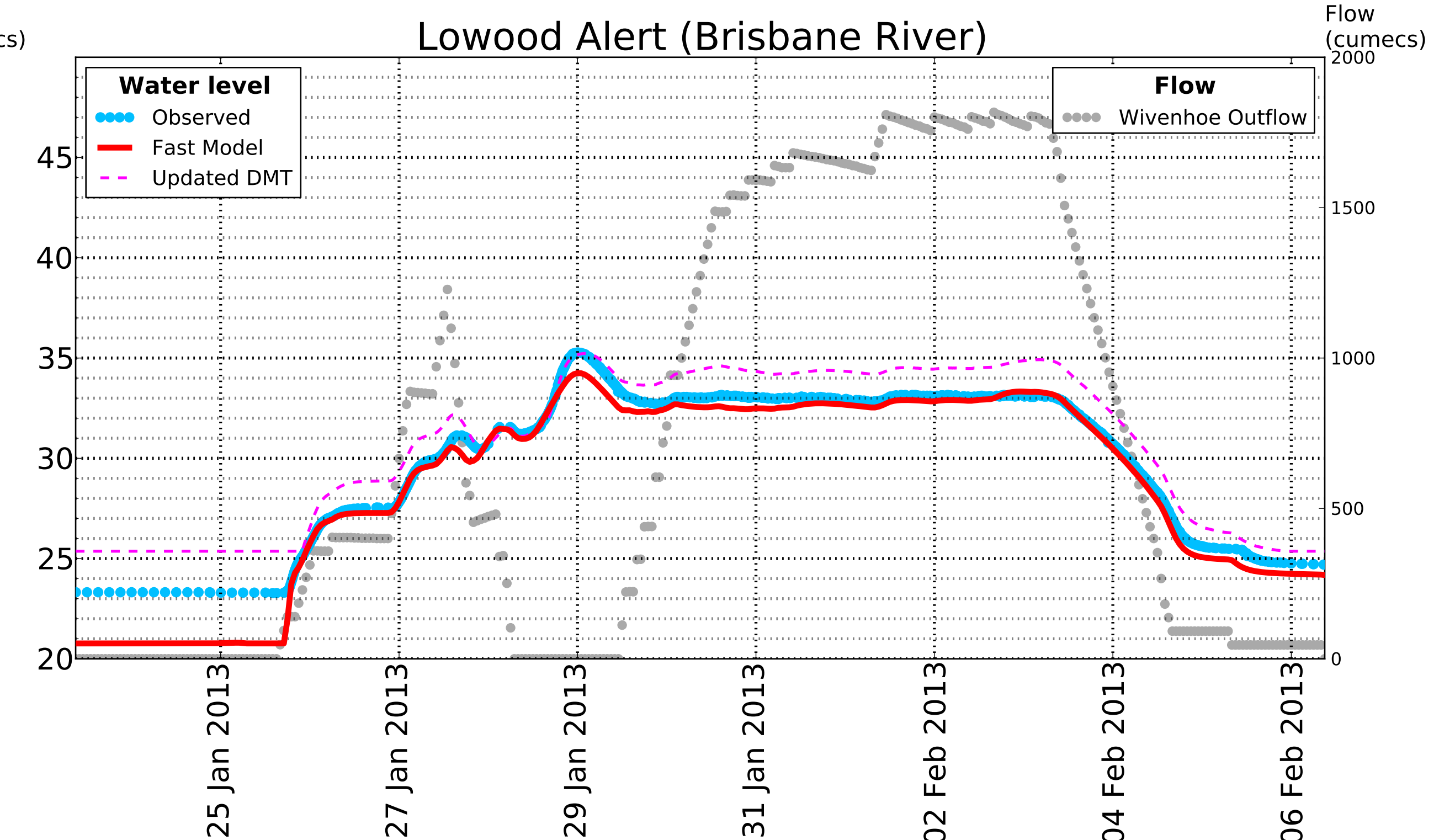
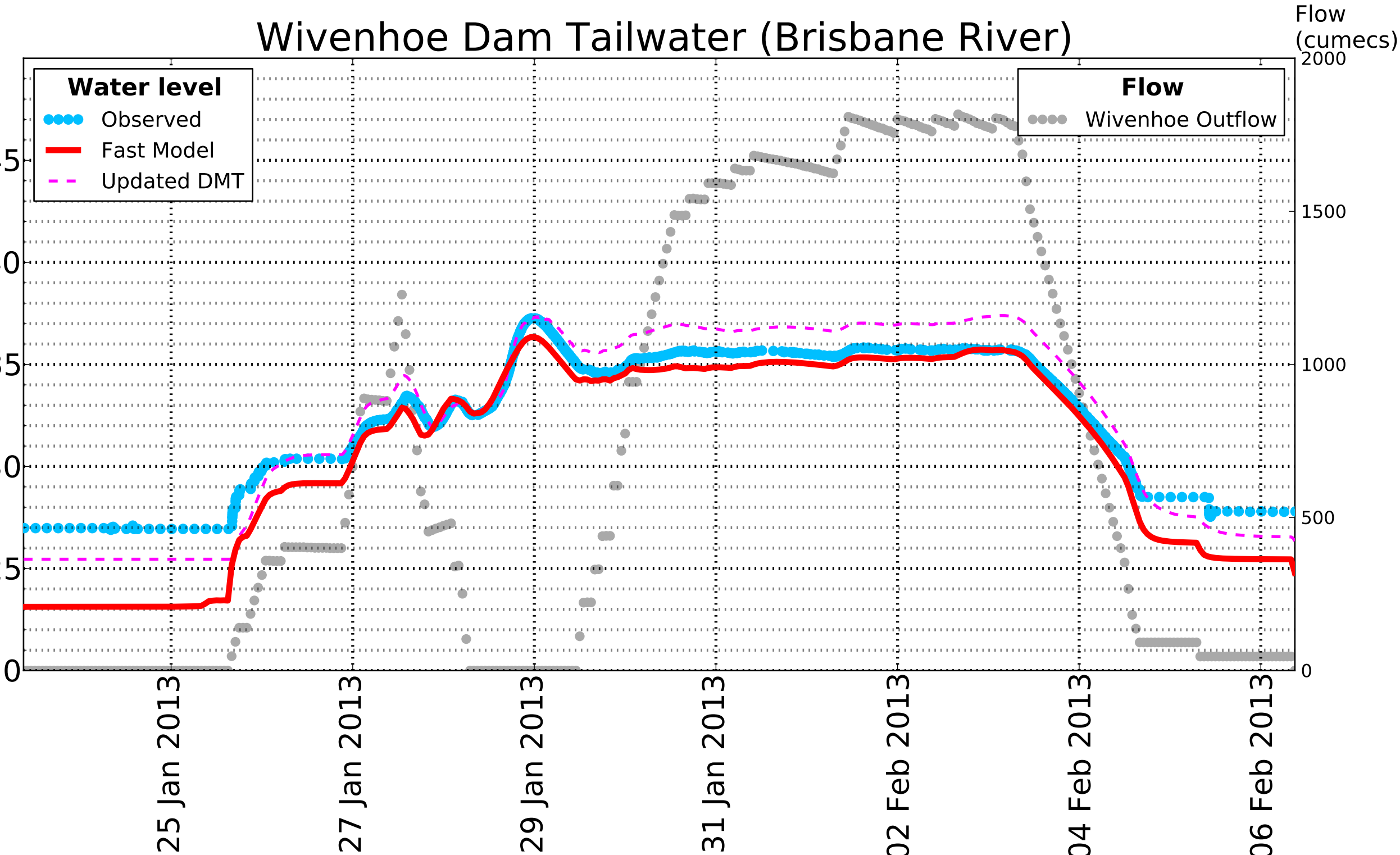
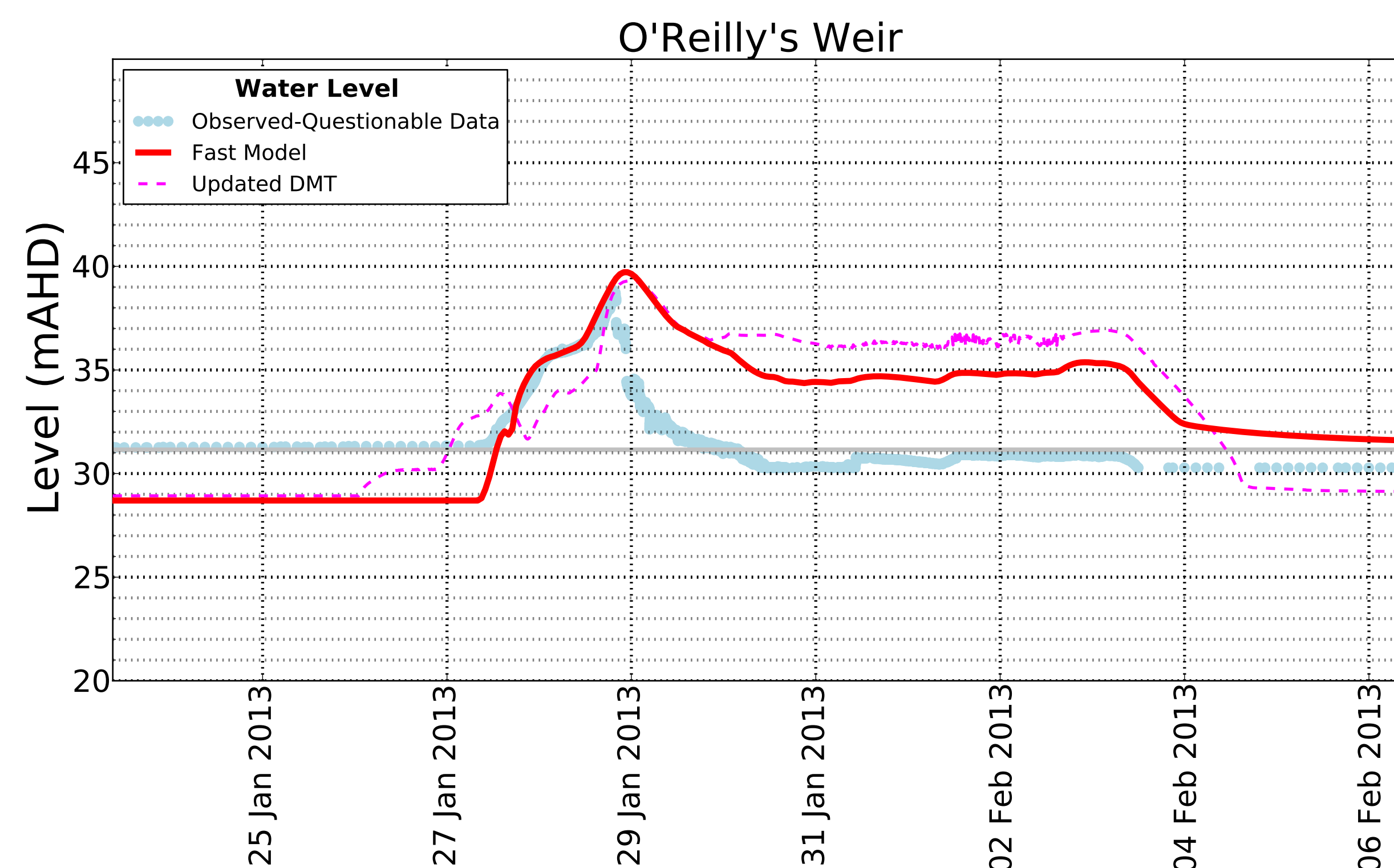
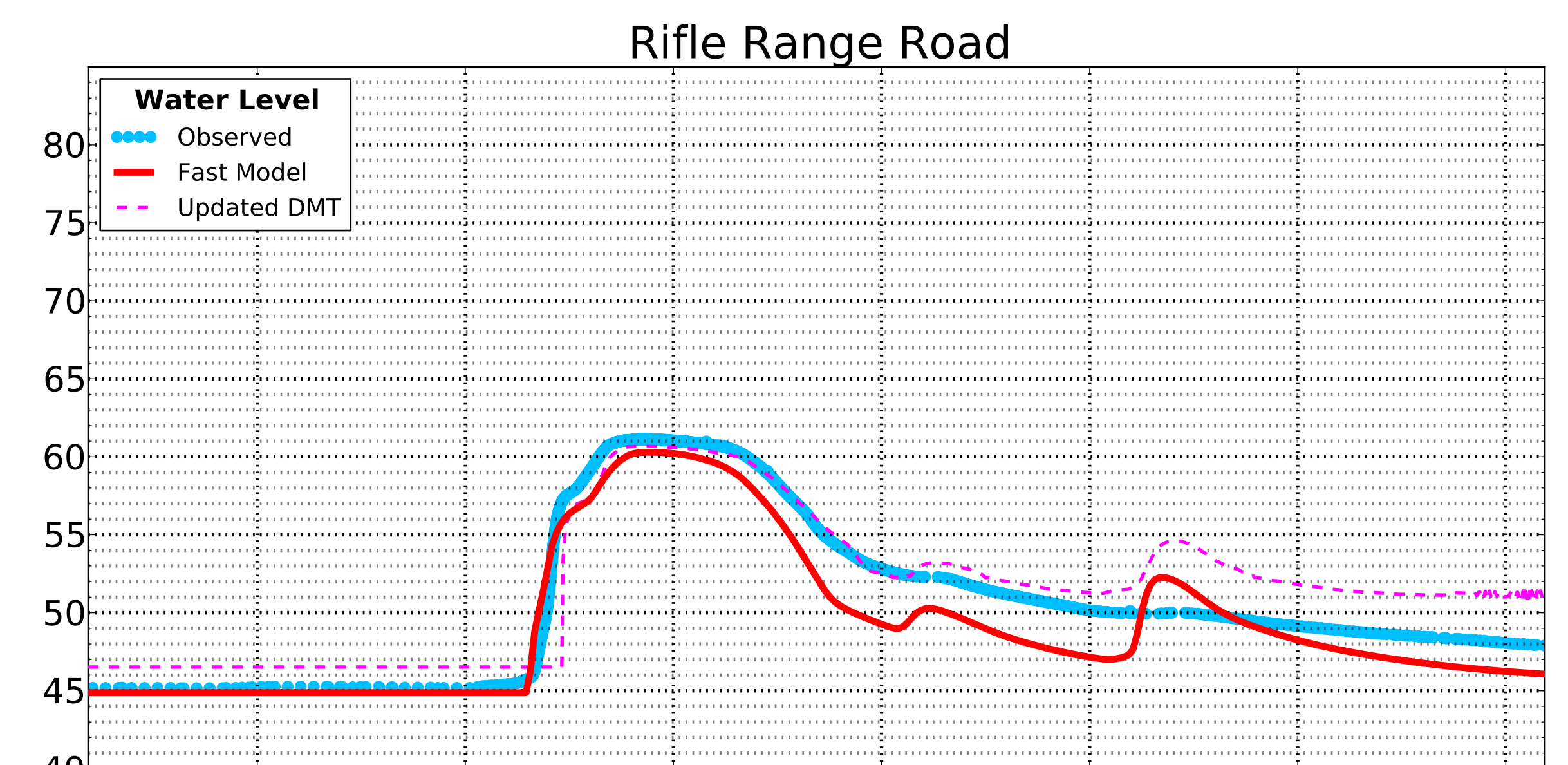
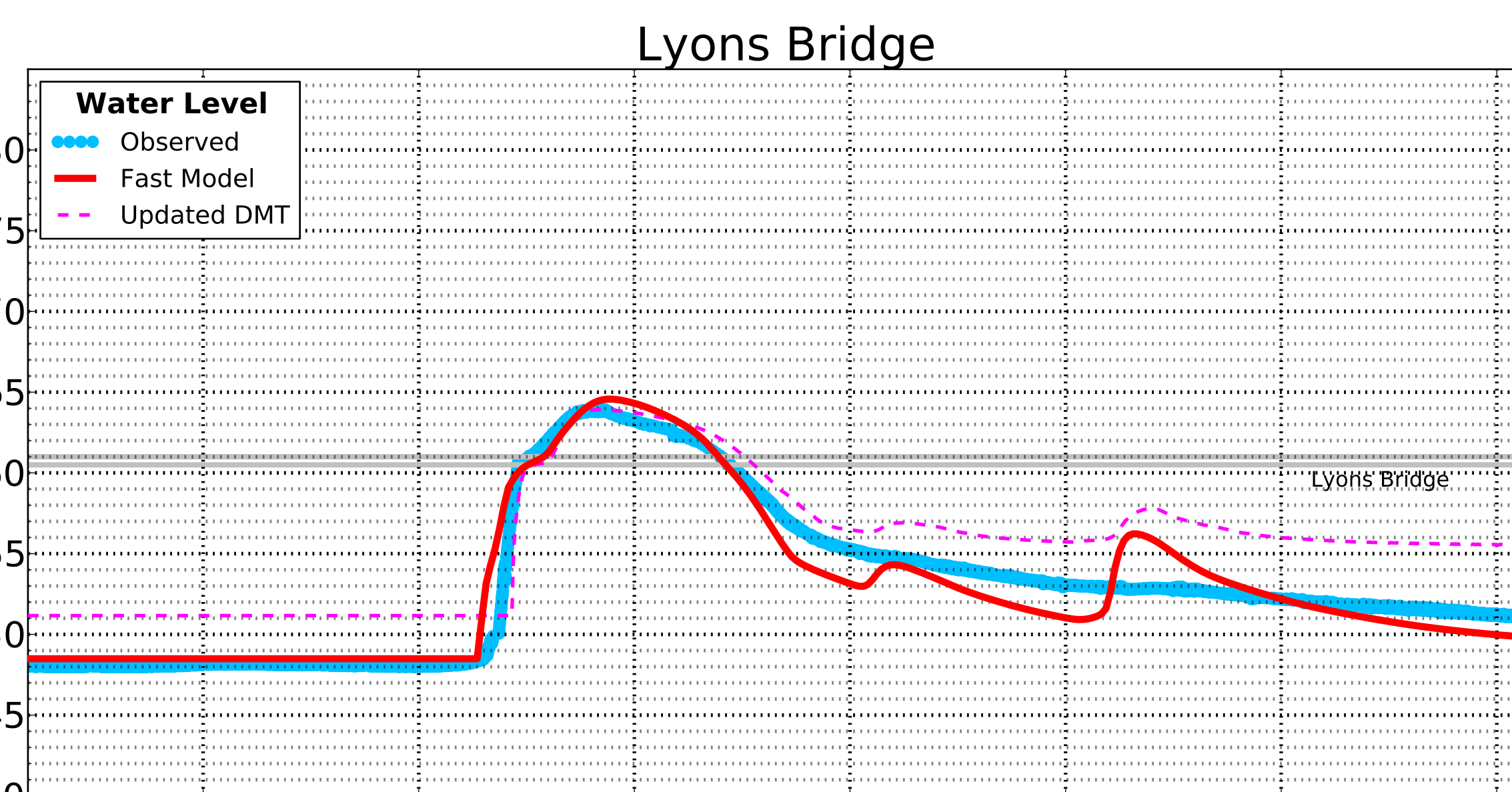
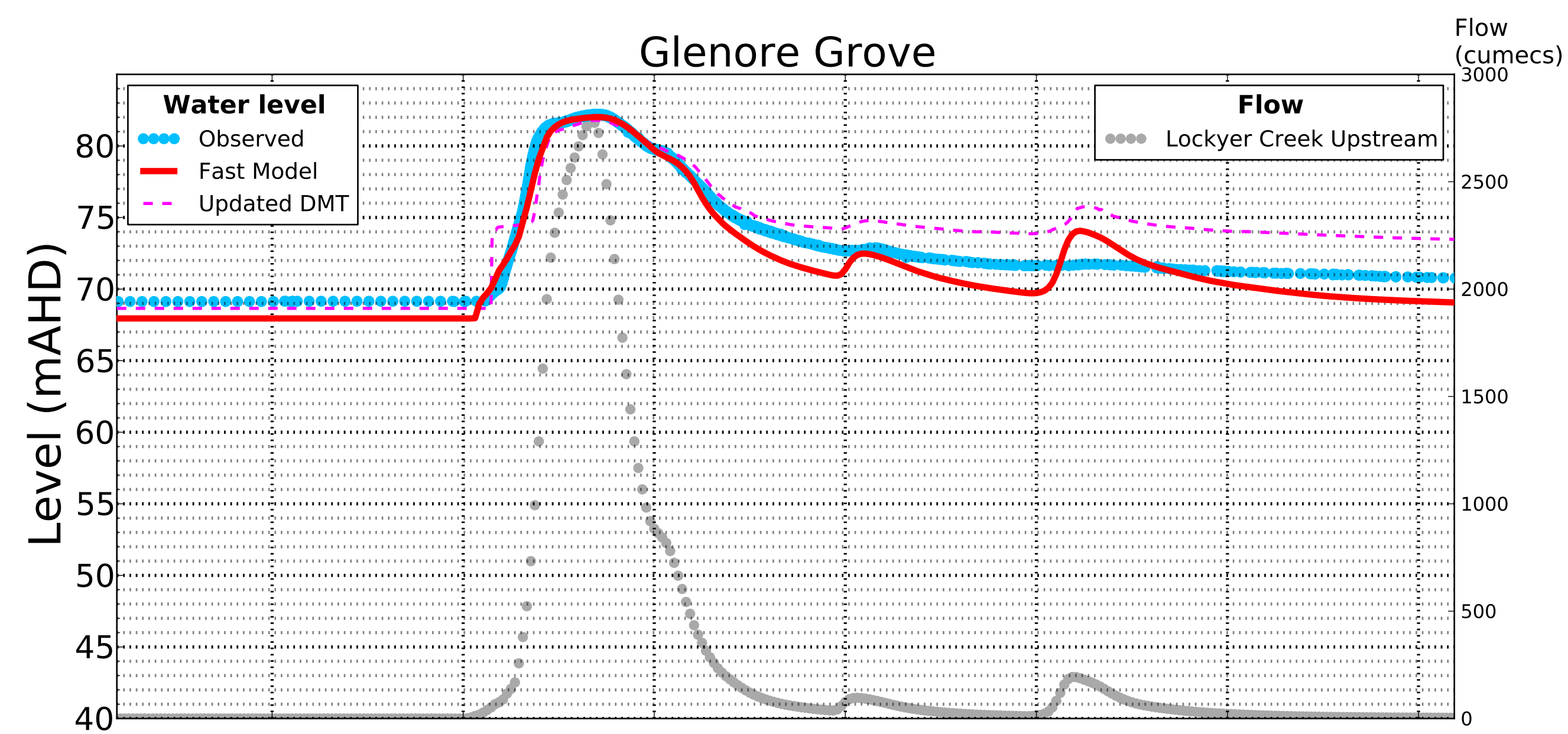


Date Labels are at 00:00 hours on that date

Updated DMT Version: 021_20m

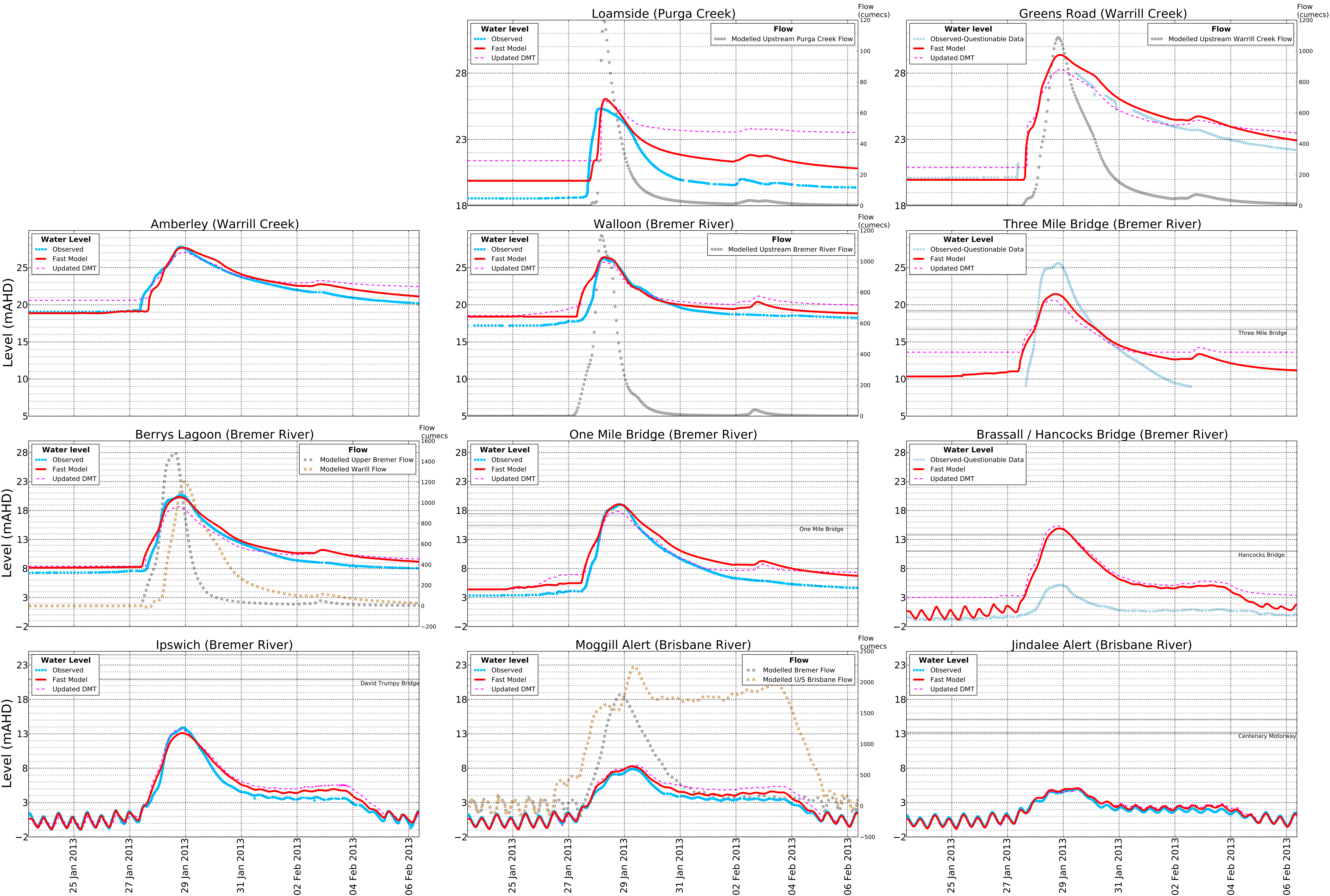
Note: Time of observed gaugings at Centenary is unknown. Assuming daylight hours, recordings are shown from 6am to 6pm

Plot 13 UDMT & DMT 1974 Centenary Bridge Flow Recordings



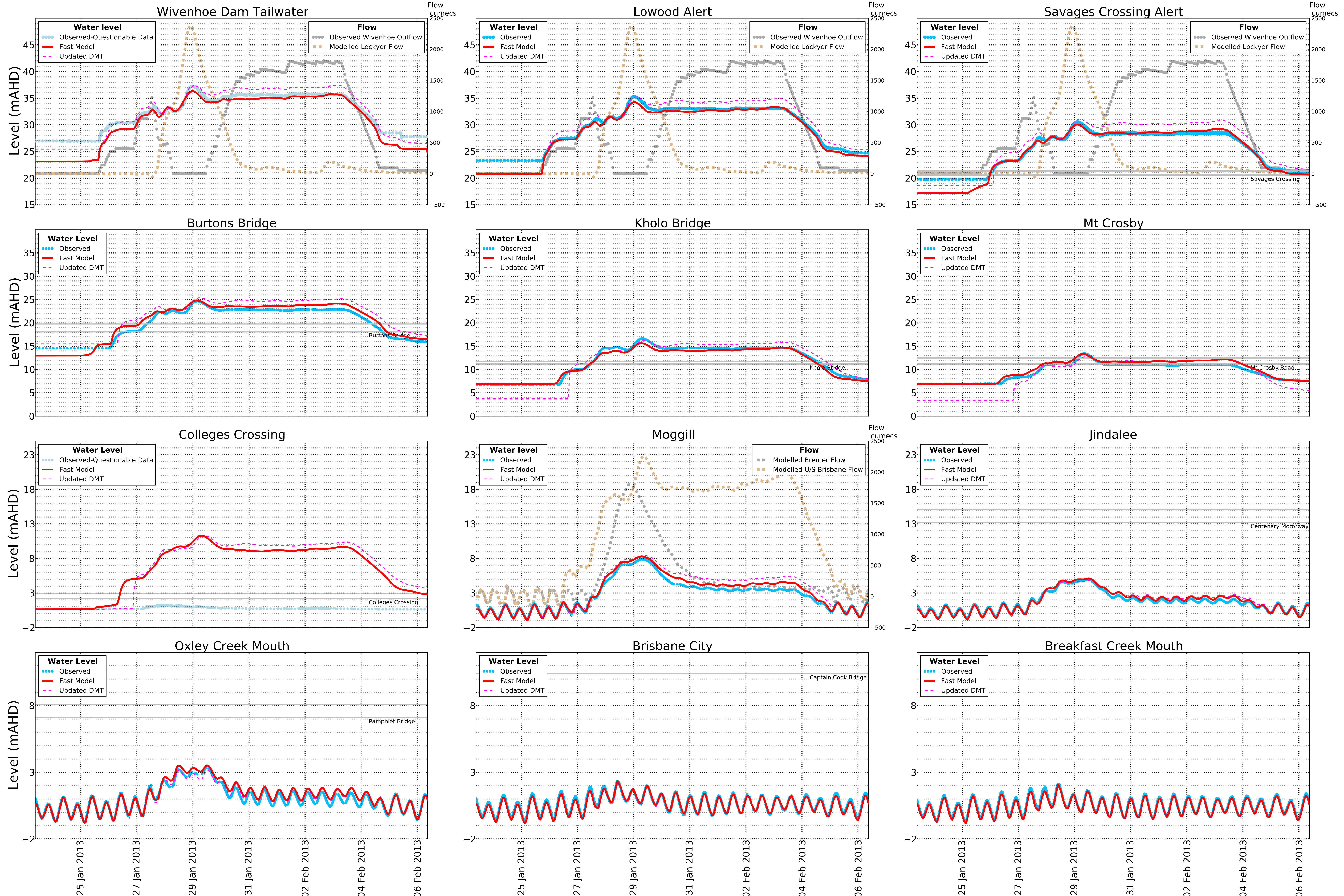
Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Fast Model Version: 0285, Updated DMT version: 021_20m

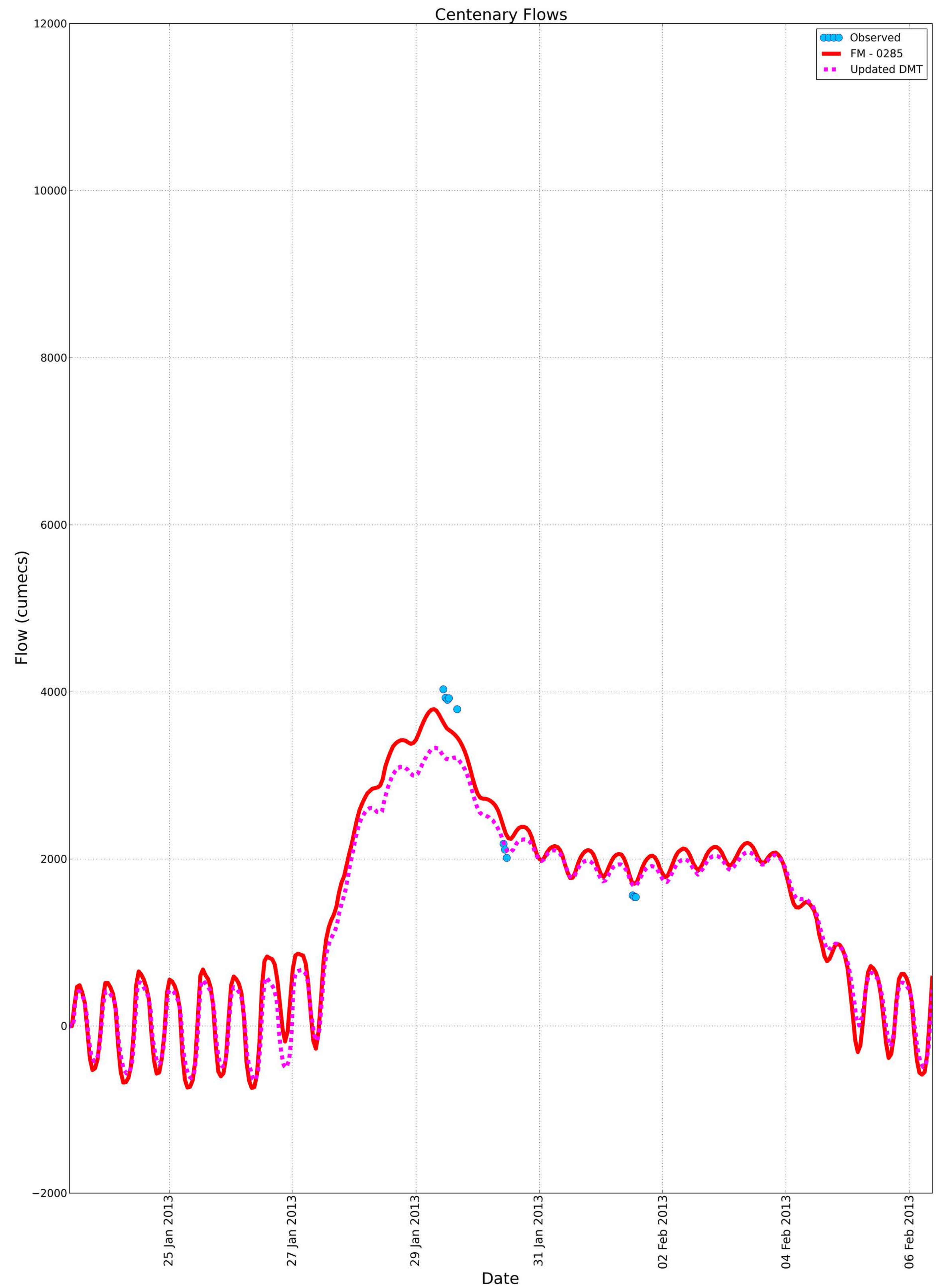
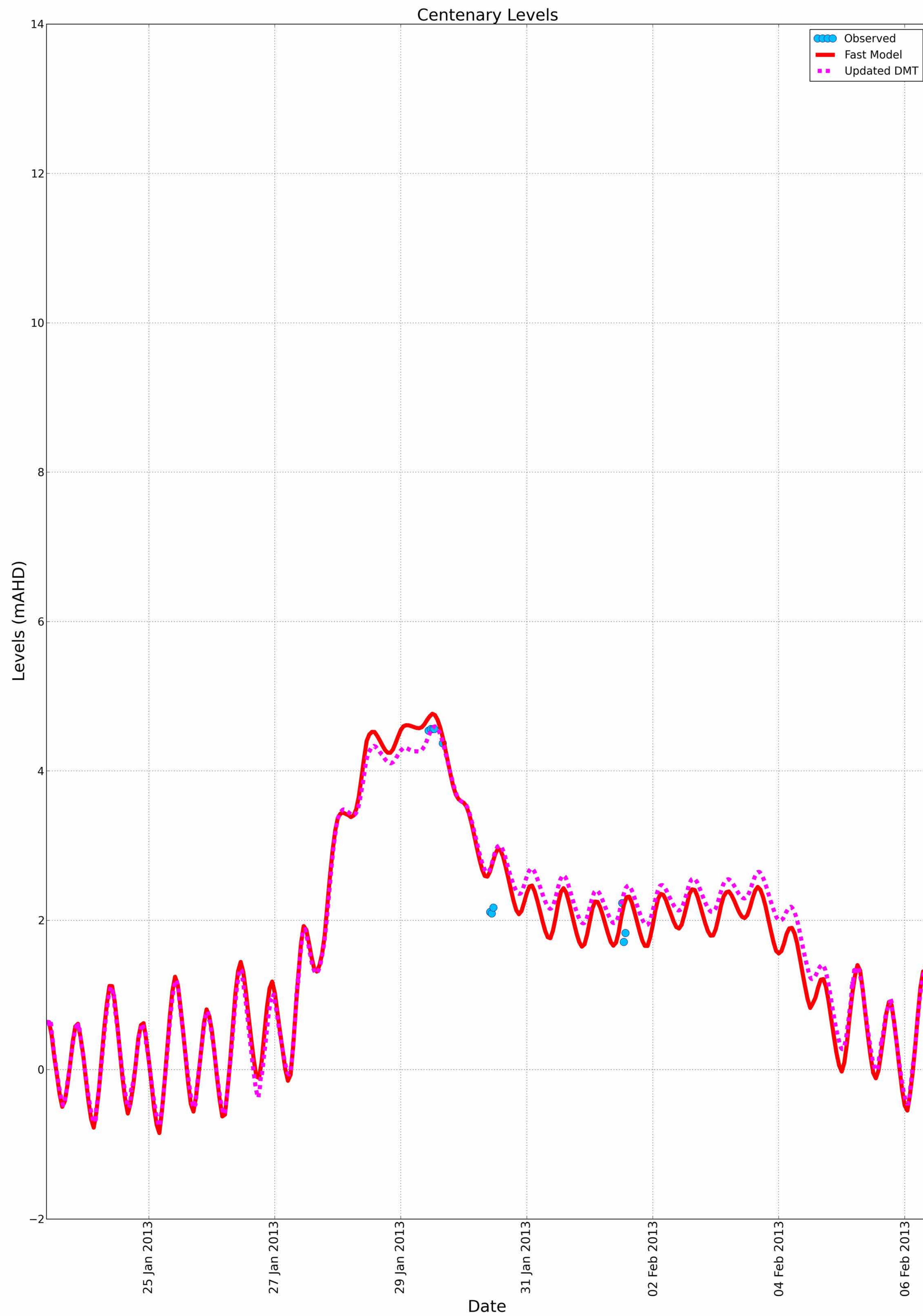
Plot 14 FM & UDMT 2013 Lockyer Creek Water Level Gauges



Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Fast Model Version: 0285, Updated DMT version: 021_20m

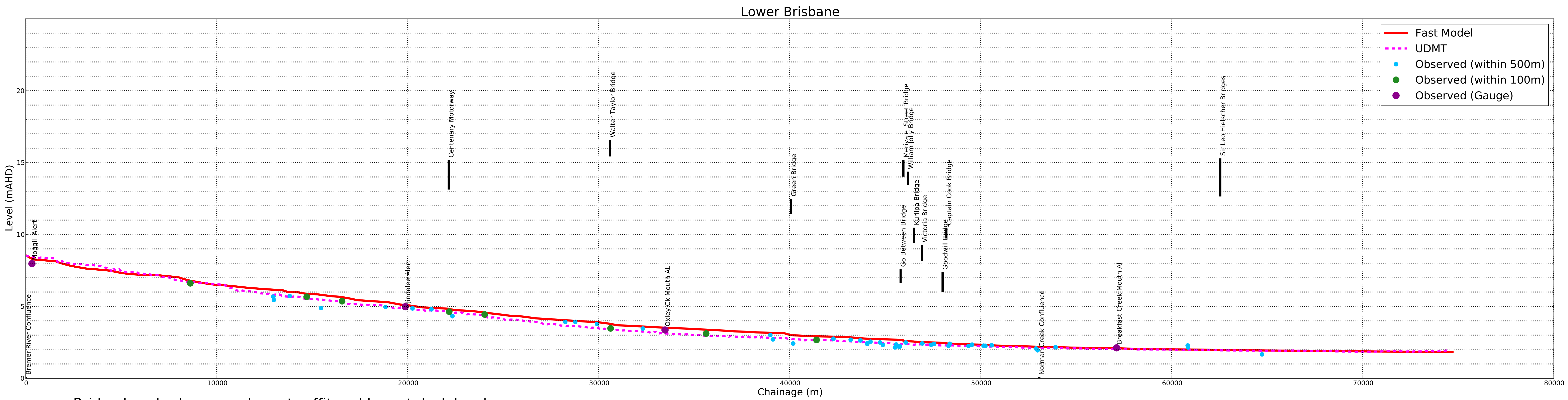
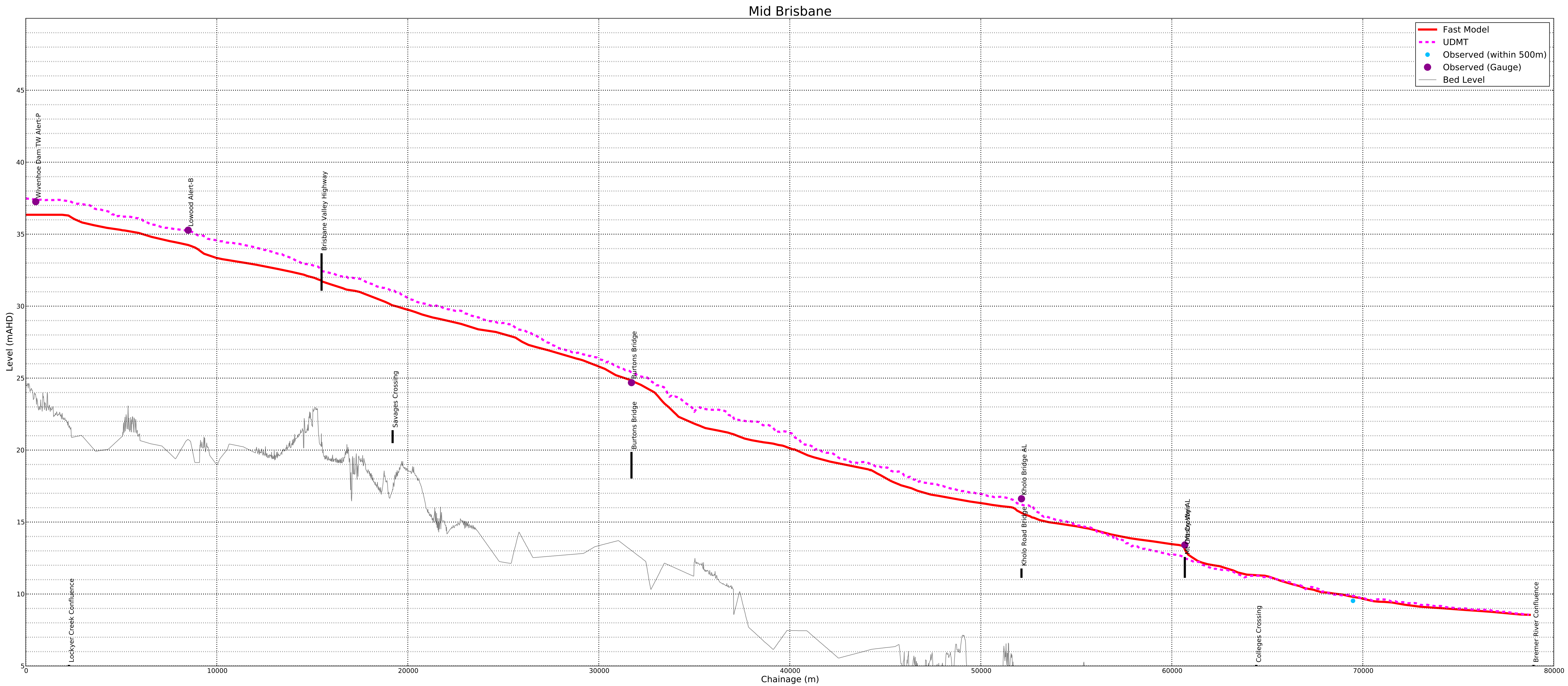
Plot 15 FM & UDMT 2013 Bremer River Water Level Gauges





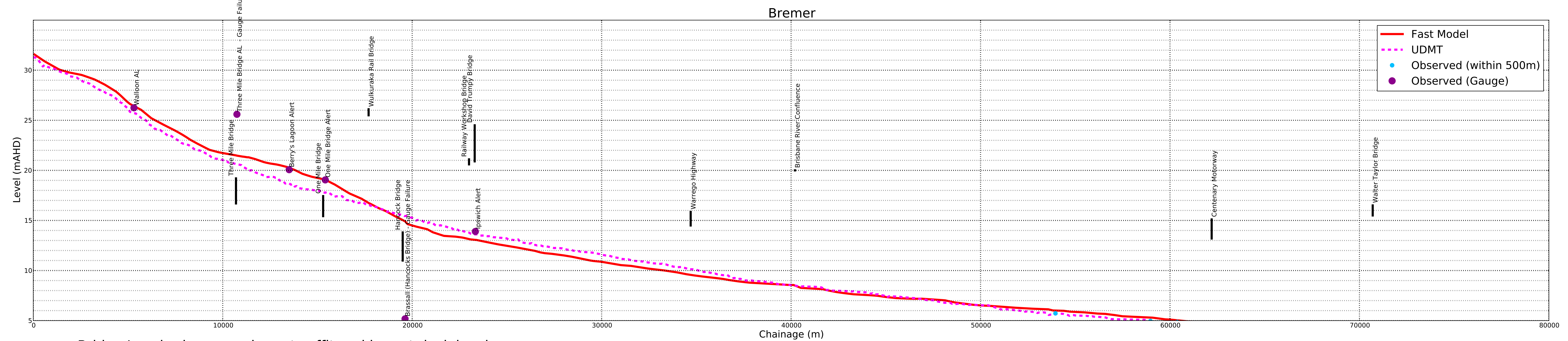
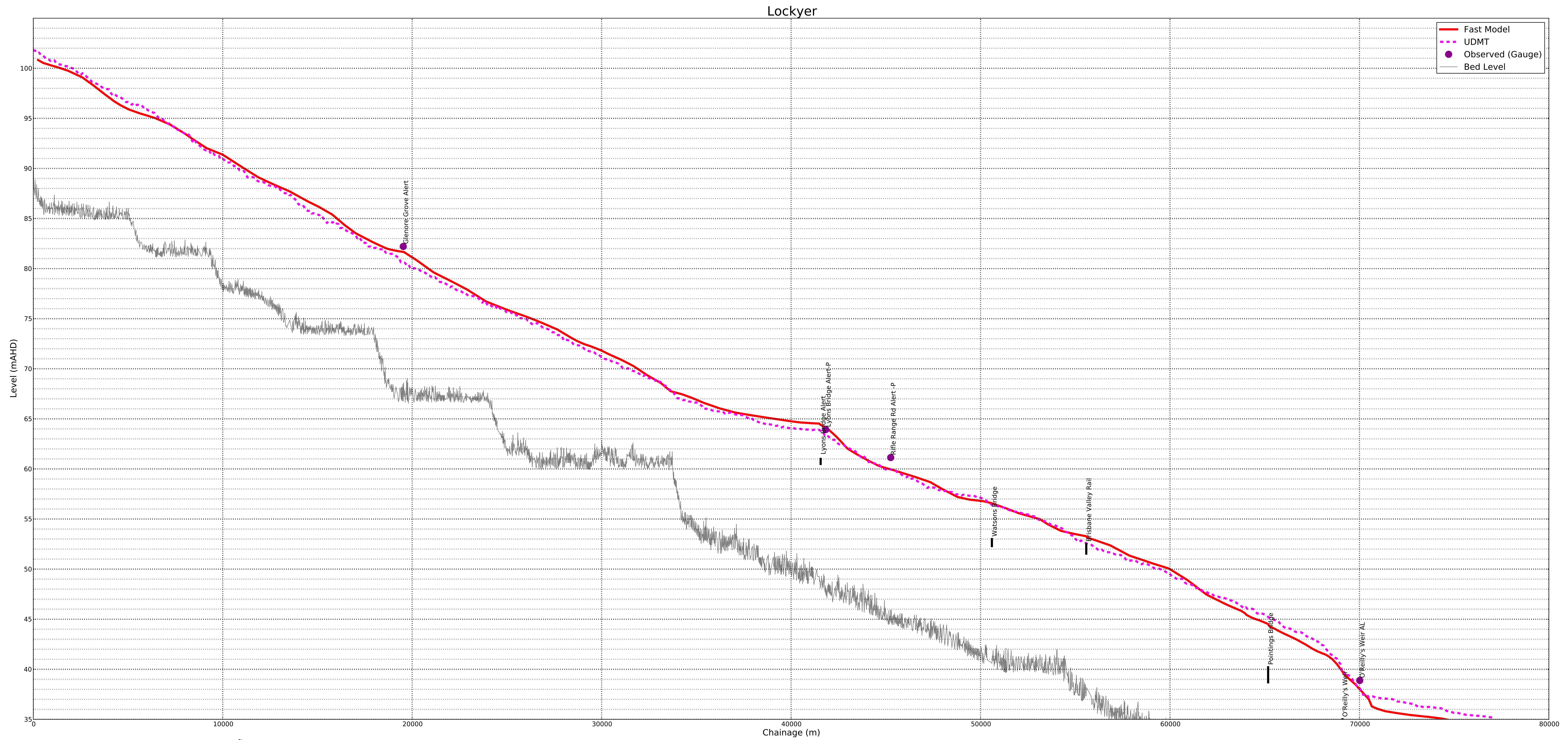
Date Labels are at 00:00 hours on that date
Fast Model Version: 0285, Updated DMT version: 021_20m

Plot 17 FM & UDMT 2013 Centenary Bridge Flow Recordings



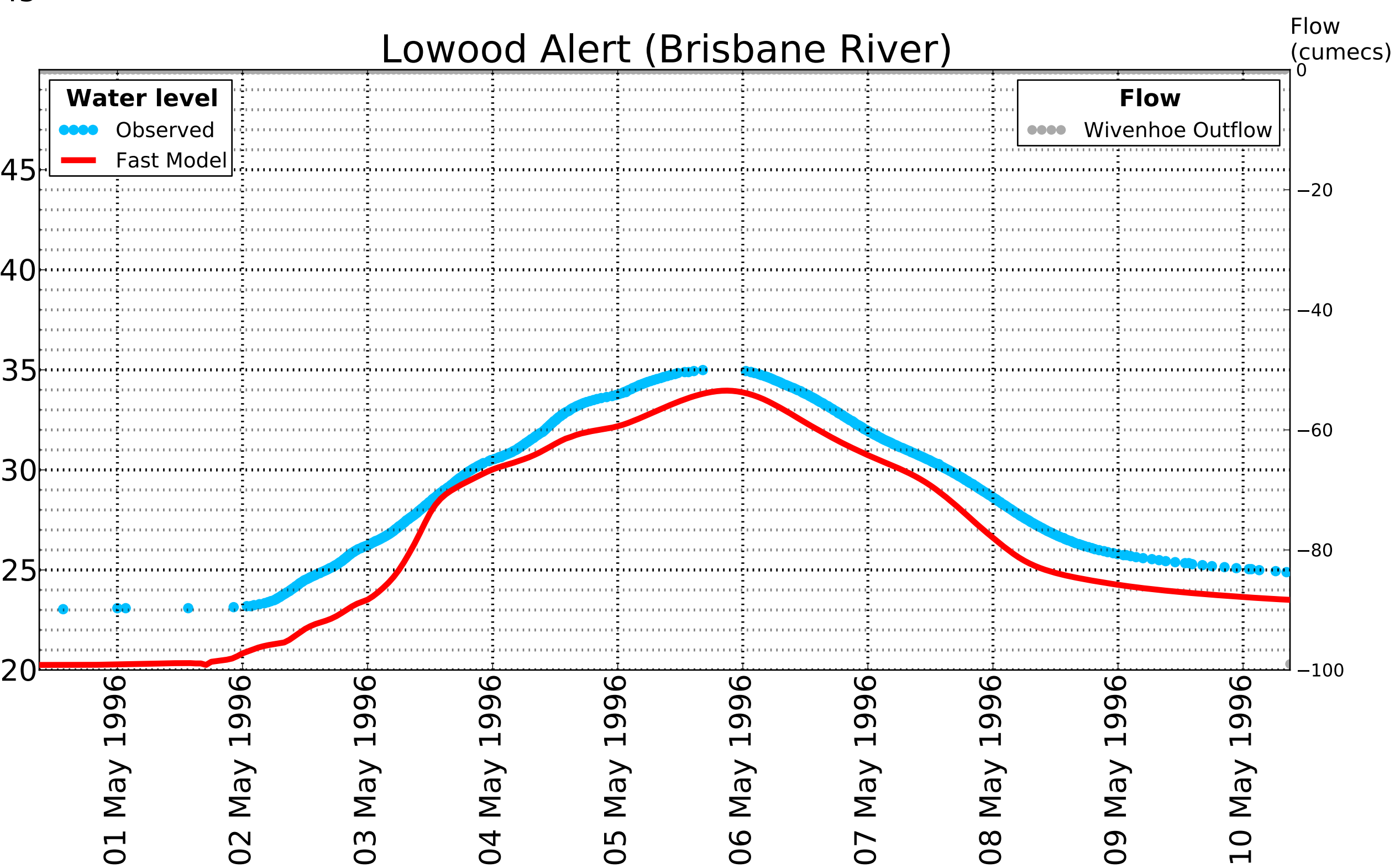
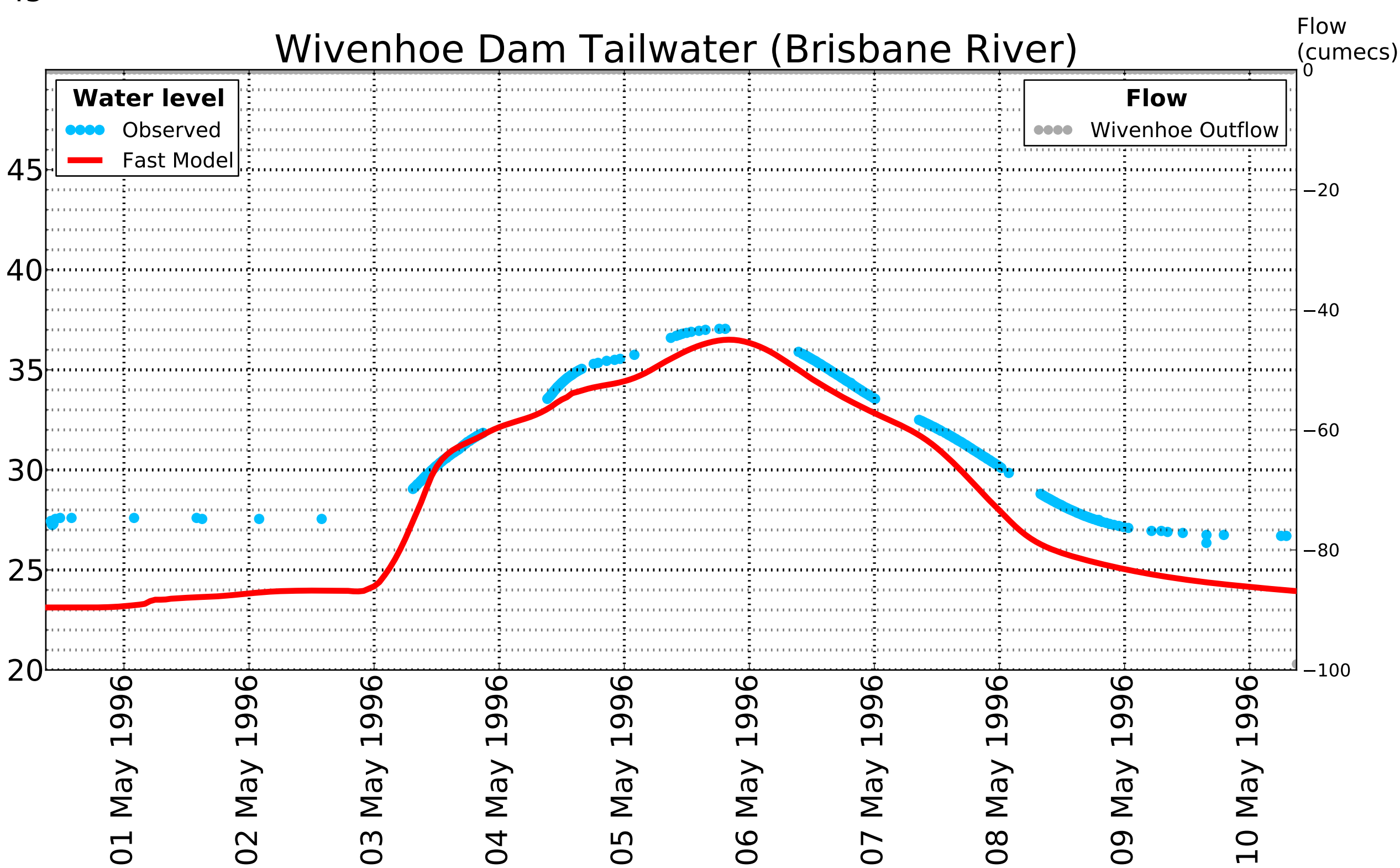
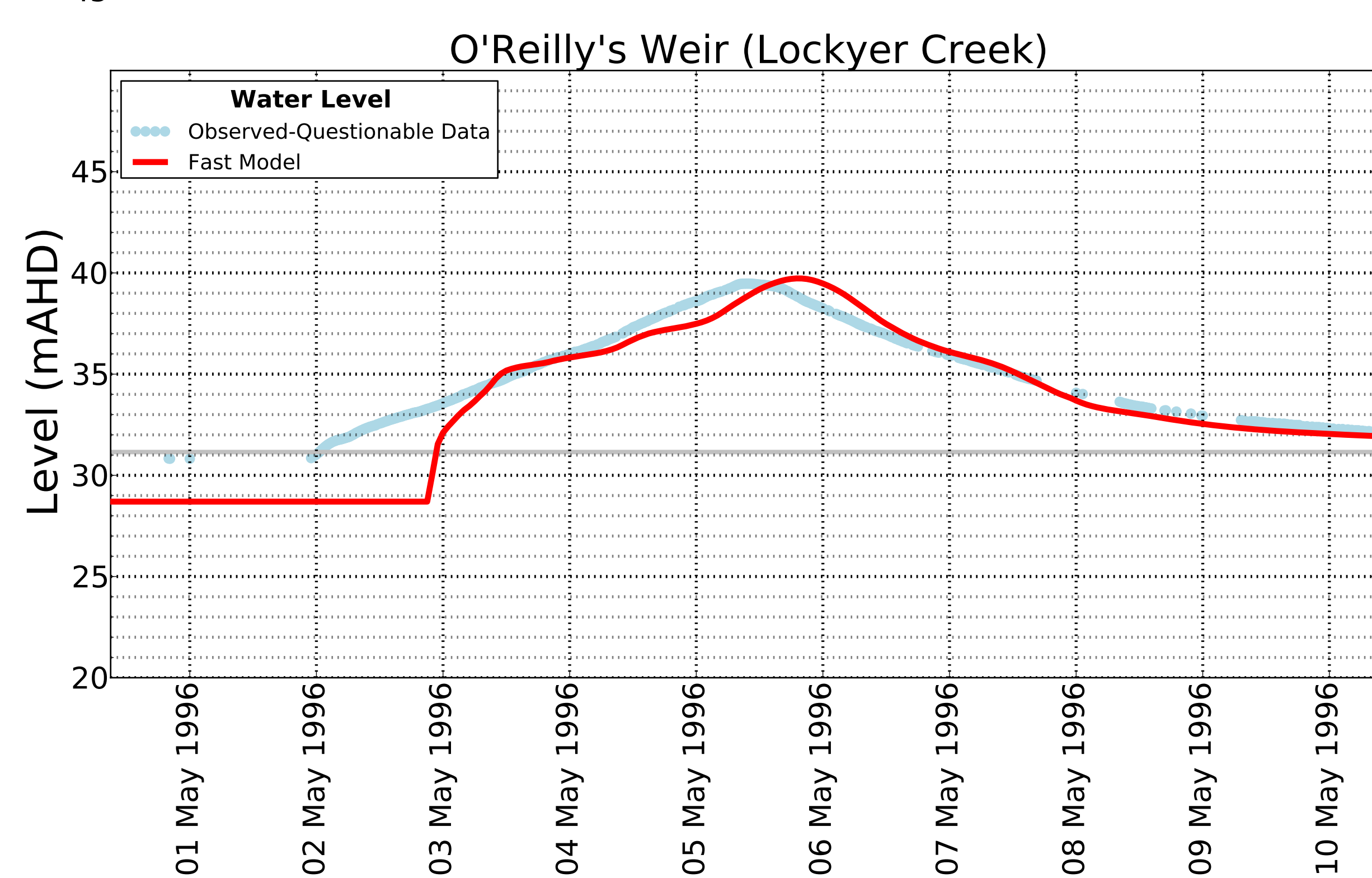
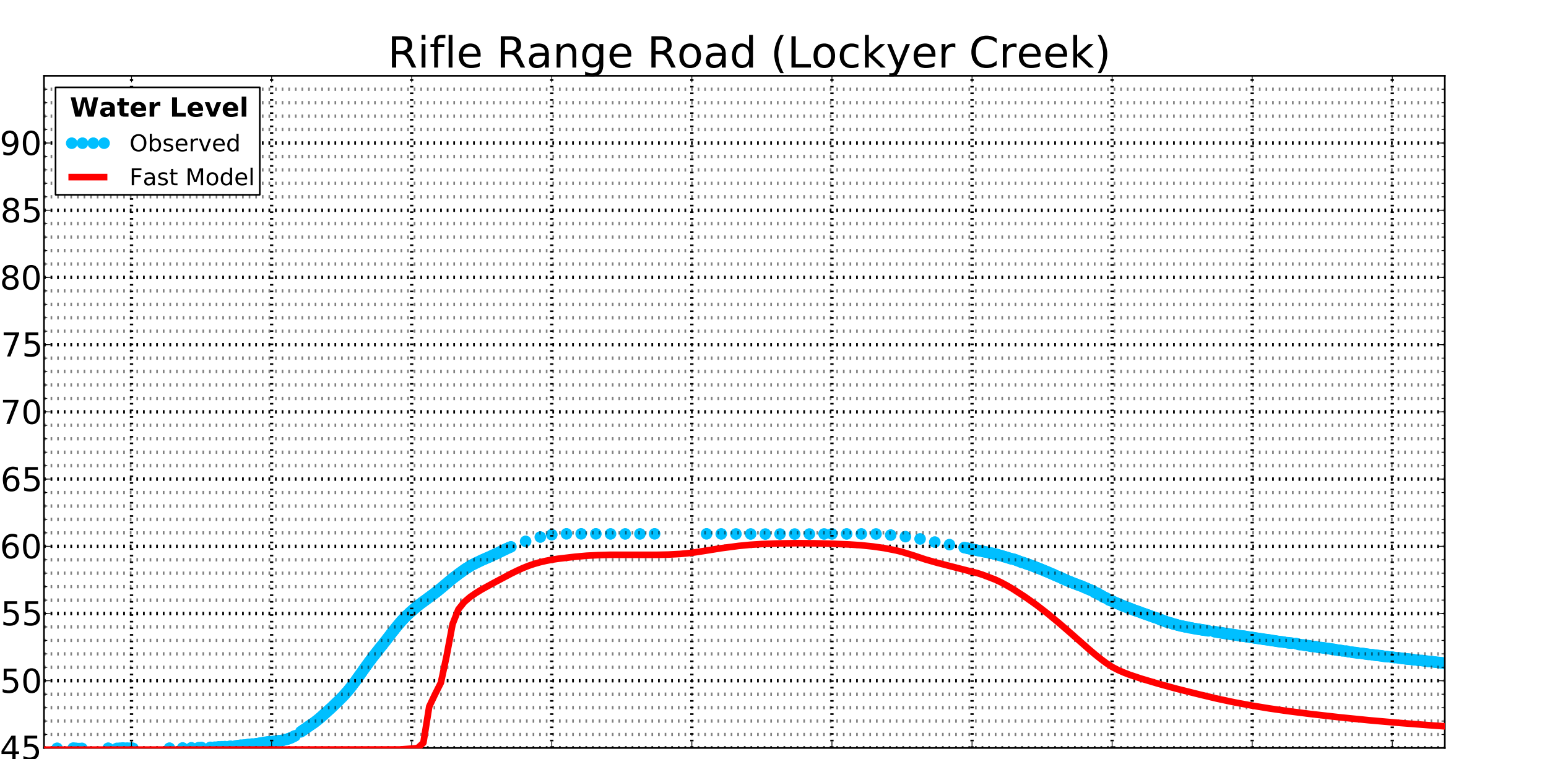
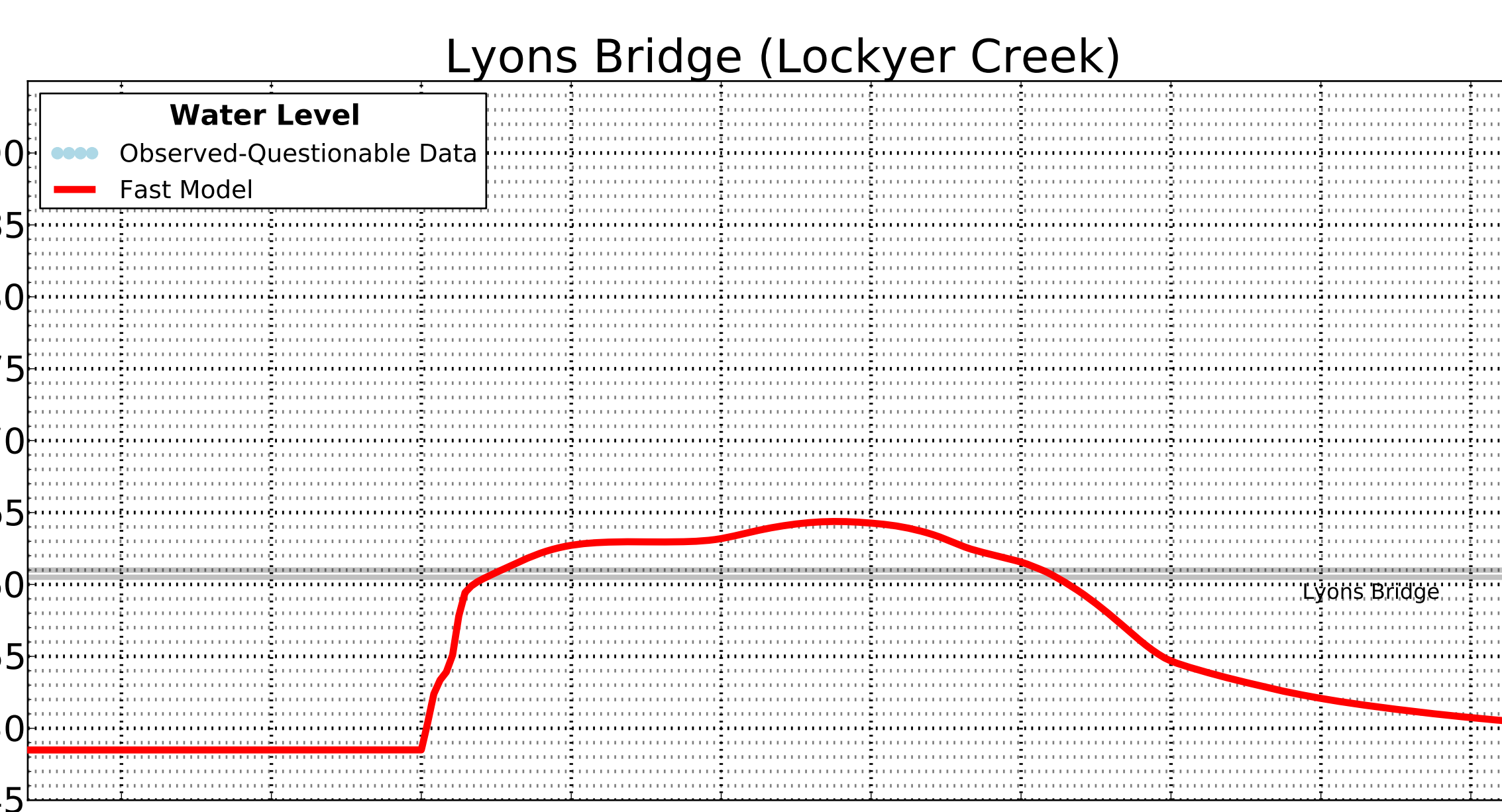
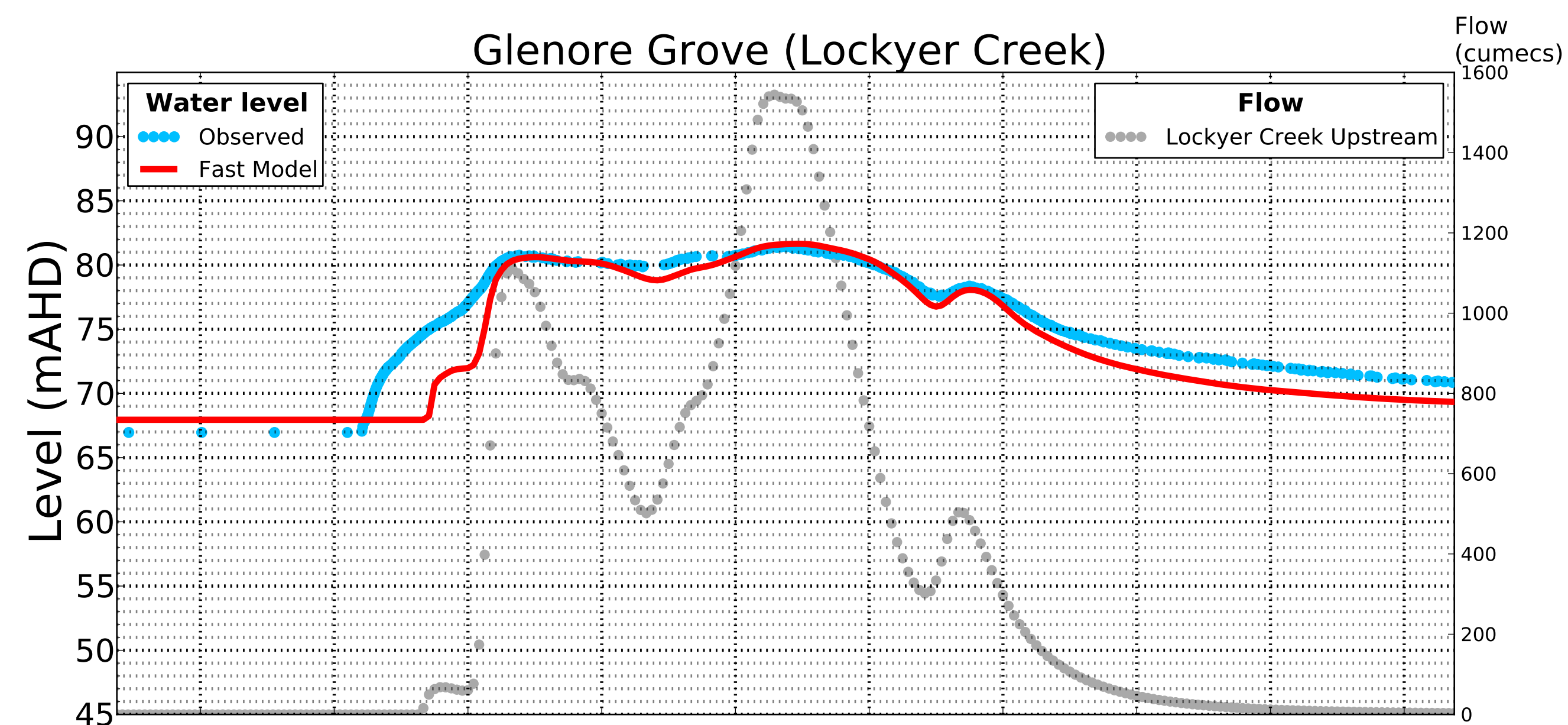
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285, Updated DMT version: 021_20m

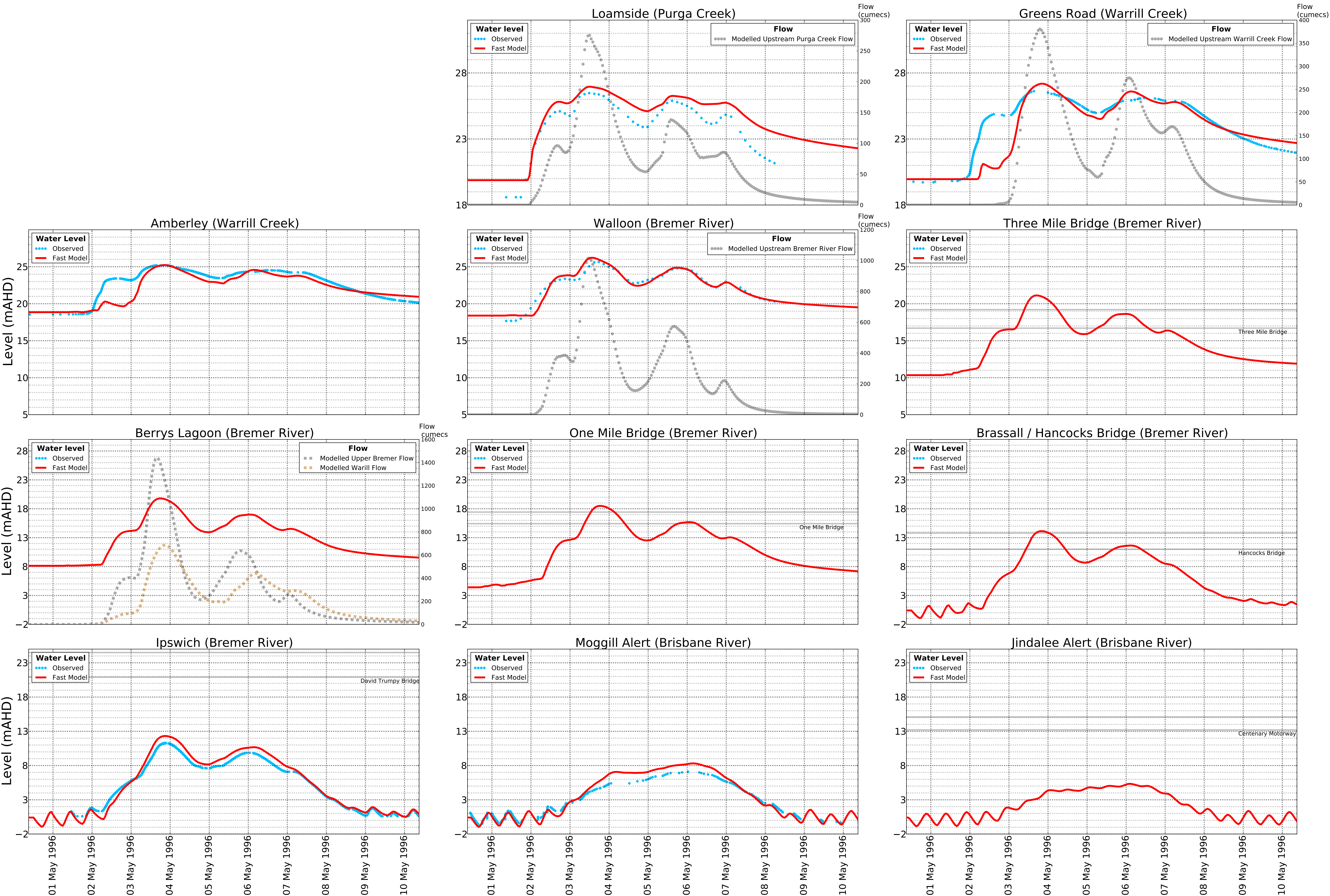
Plot 18 FM & UDMT 2013 Brisbane River Longitudinal Profiles



Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285, Updated DMT version: 021_20m

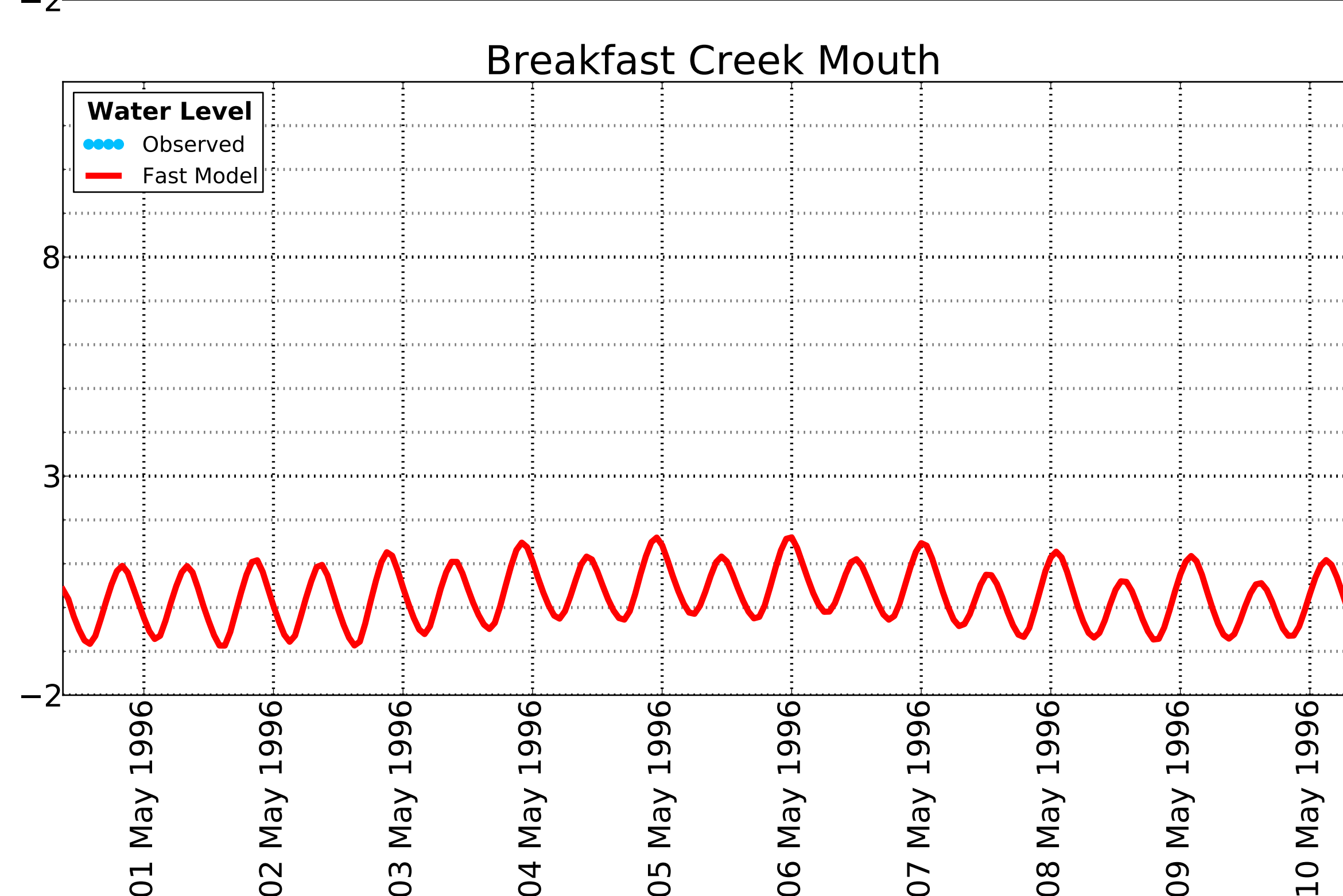
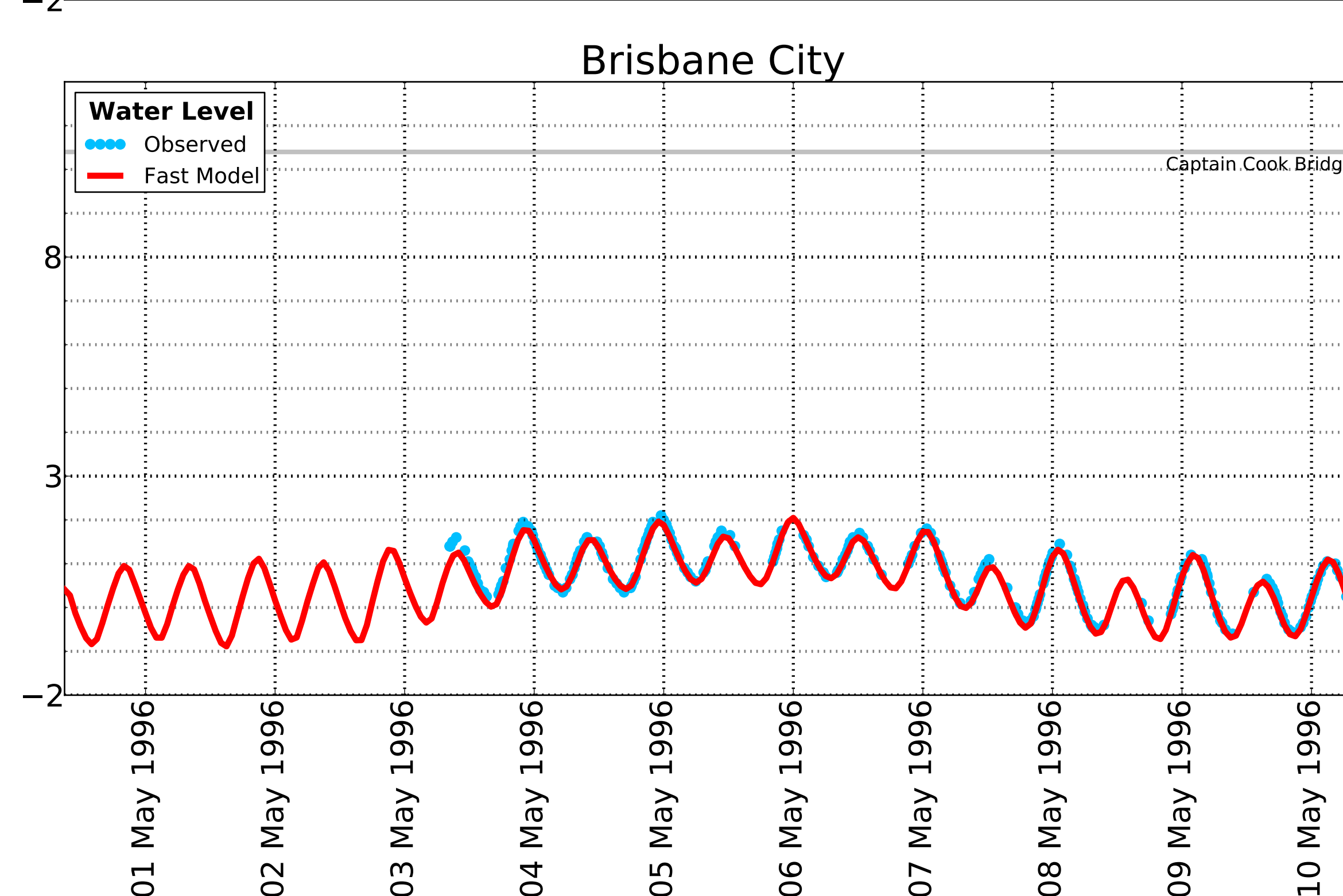
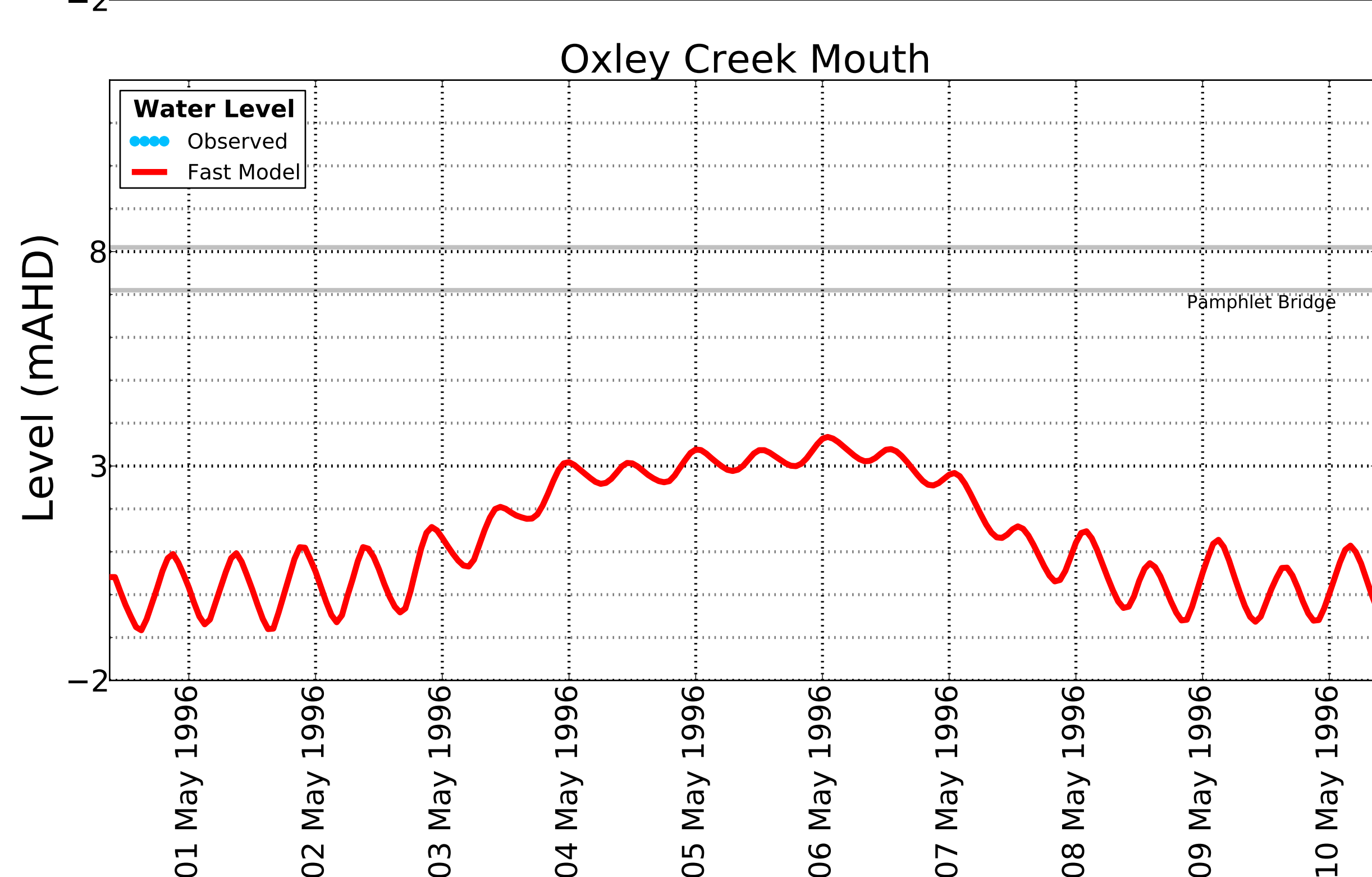
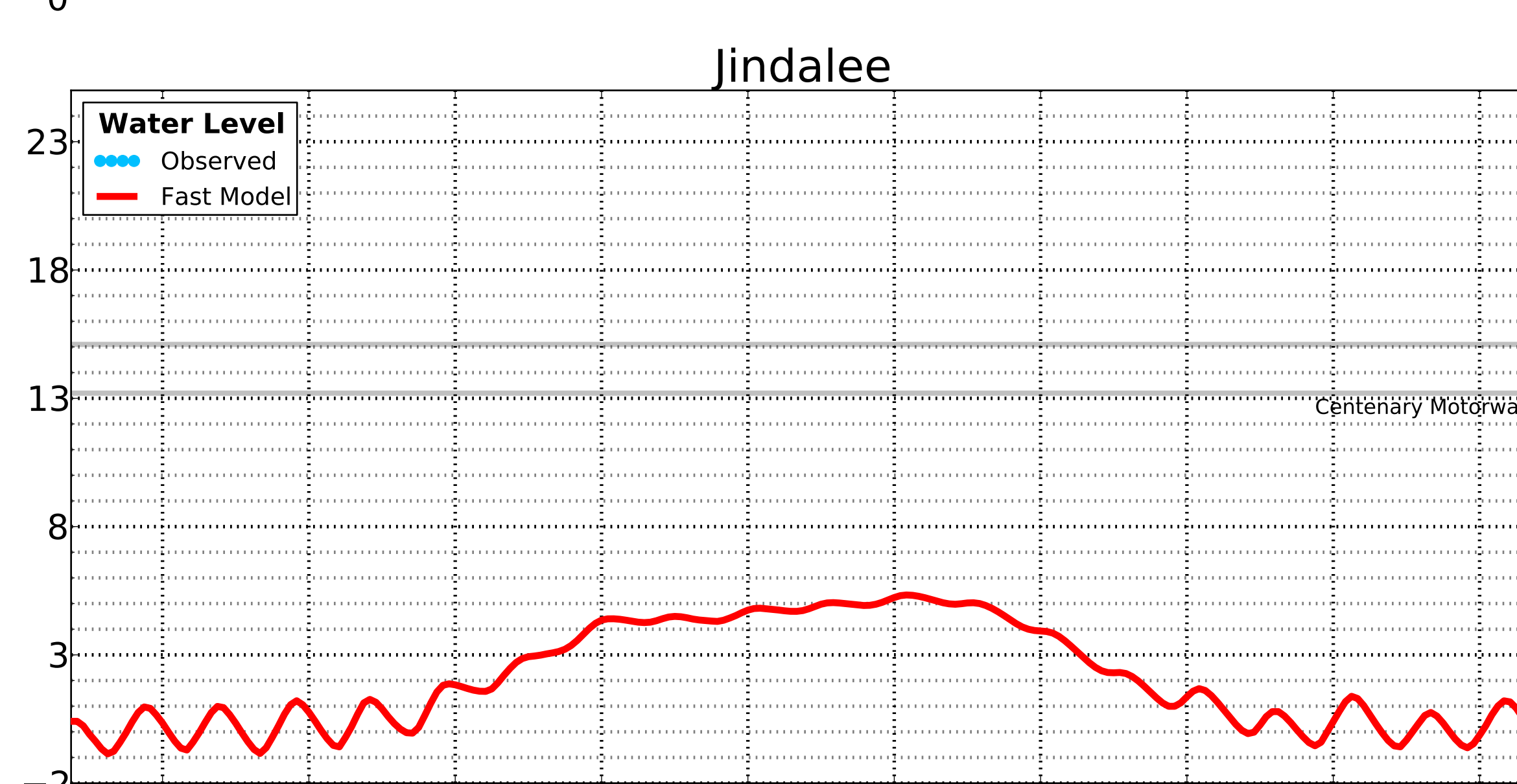
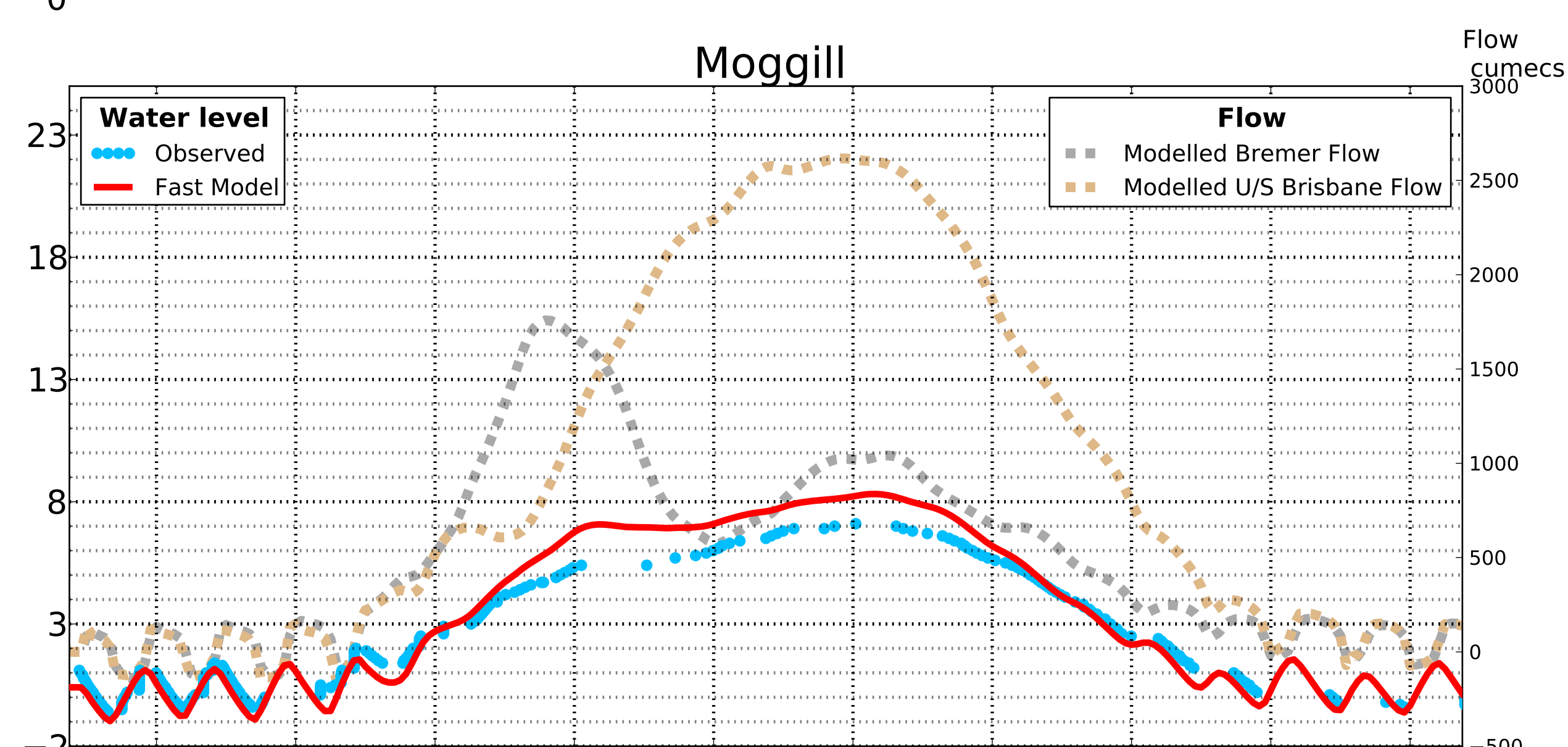
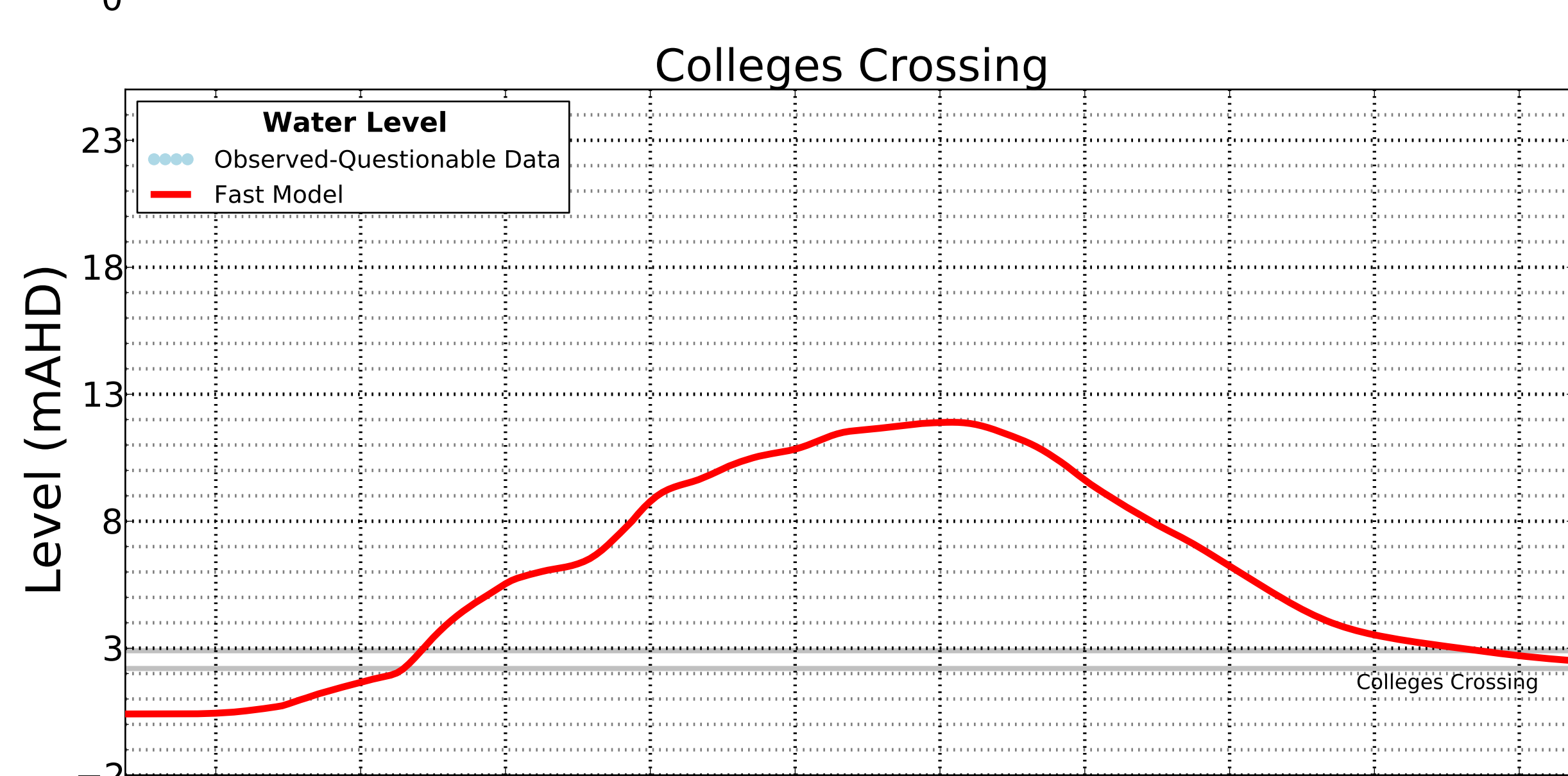
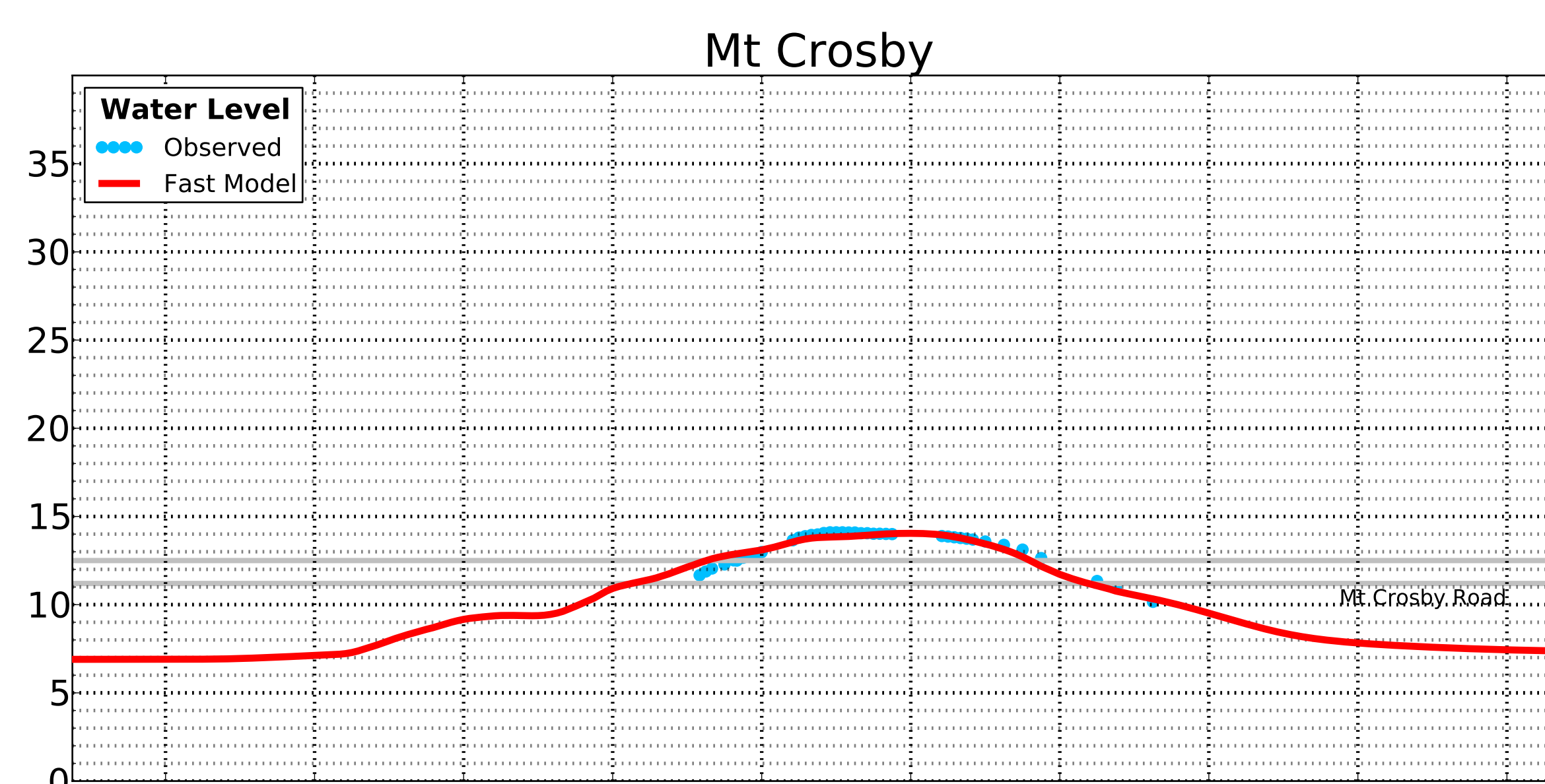
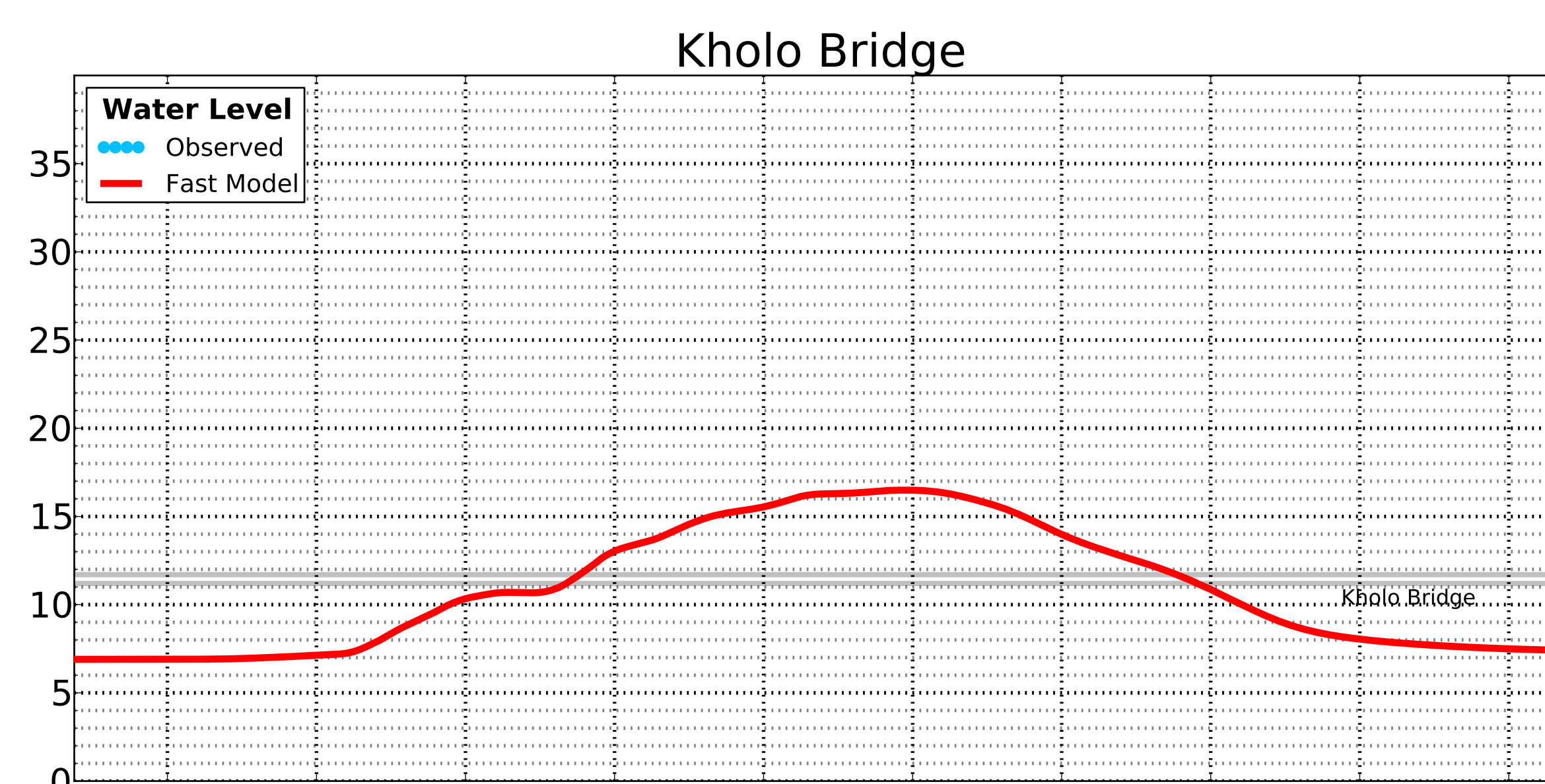
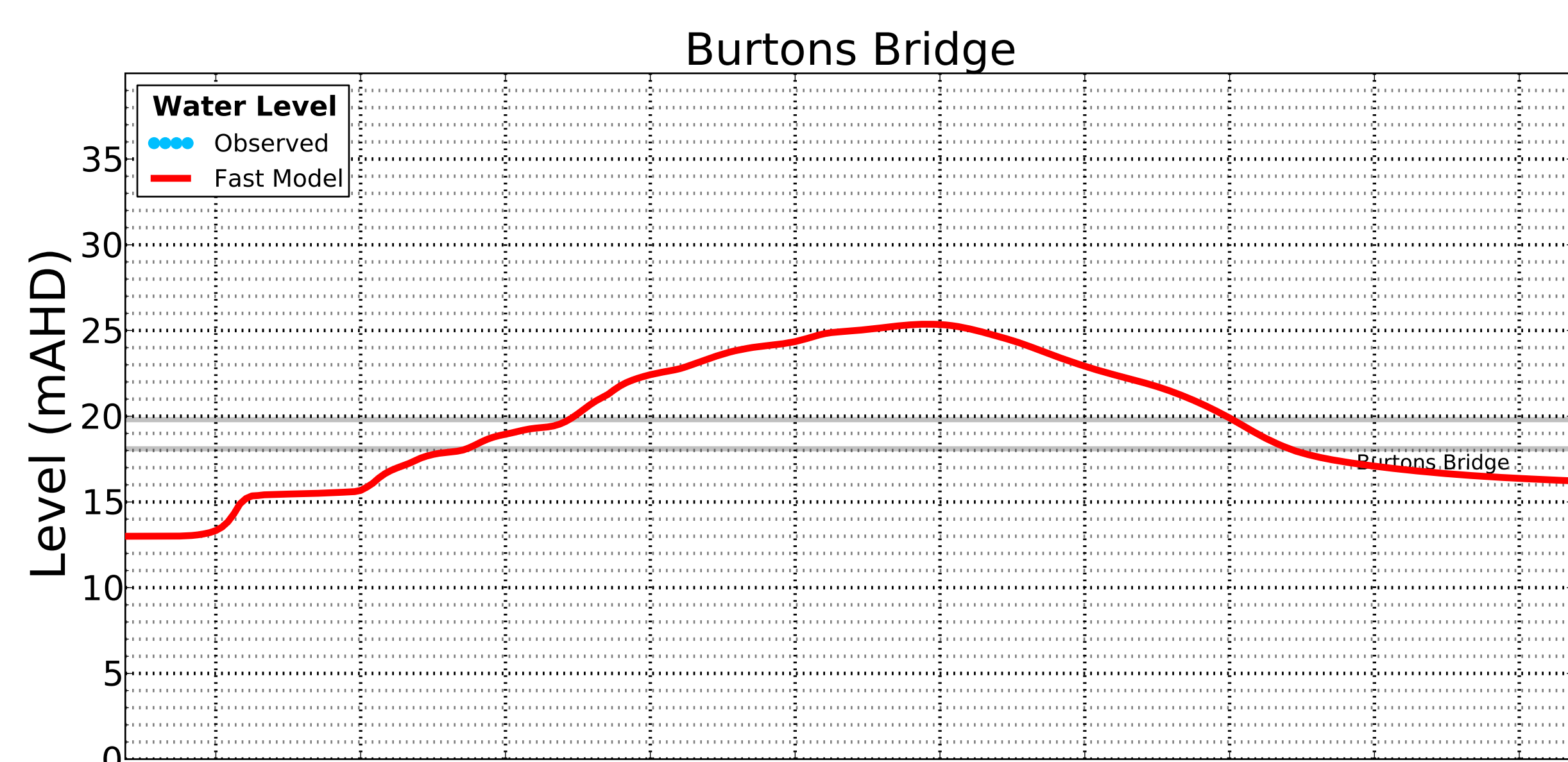
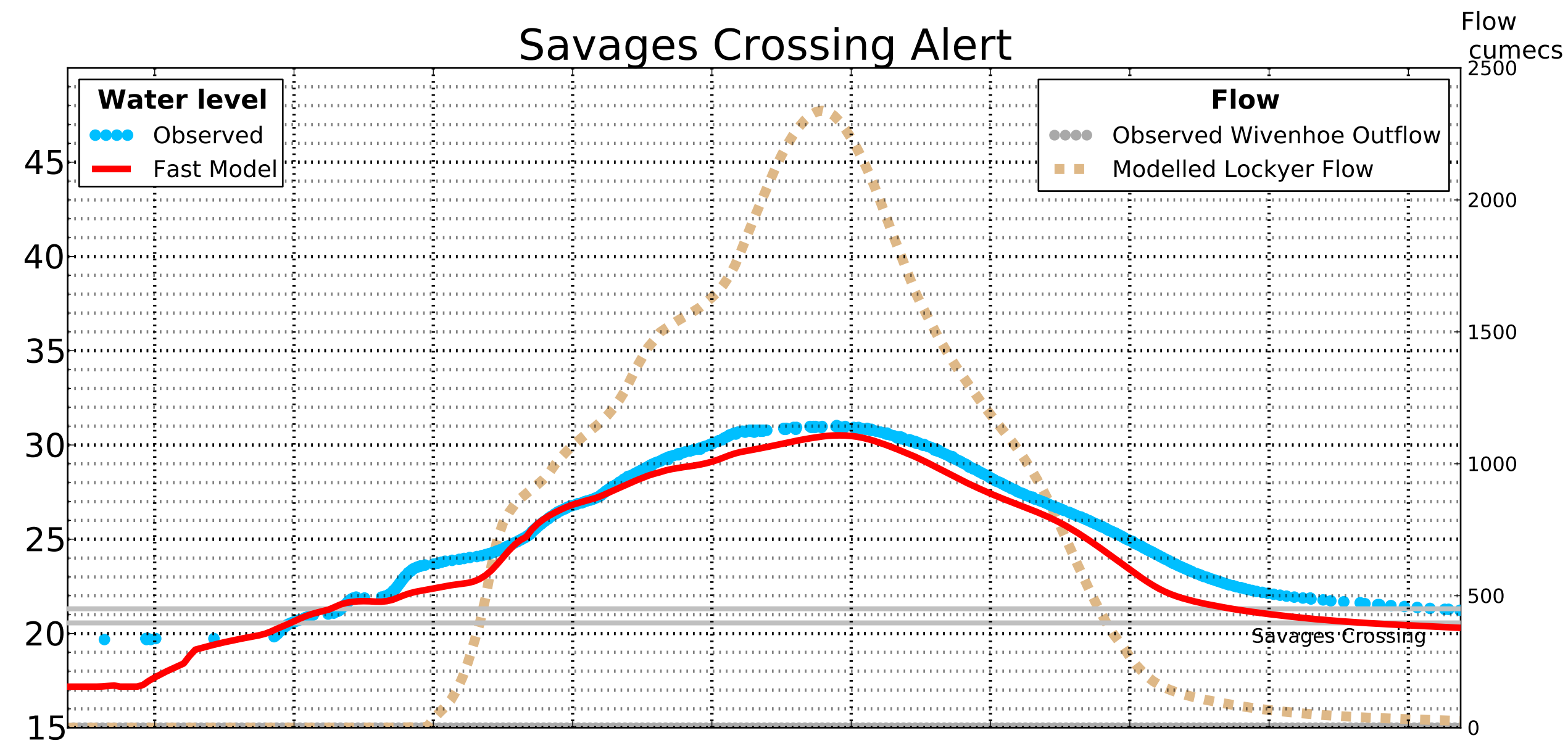
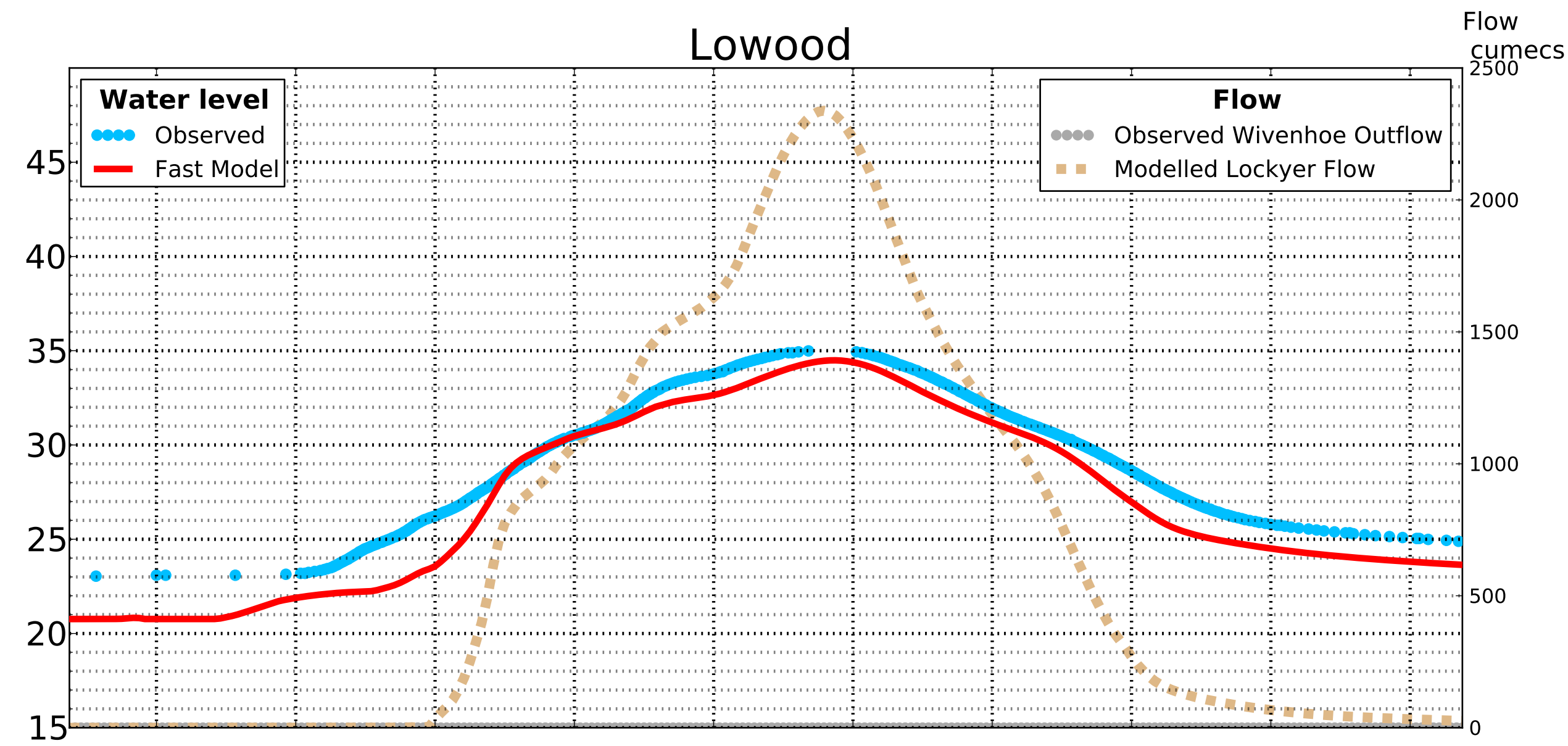
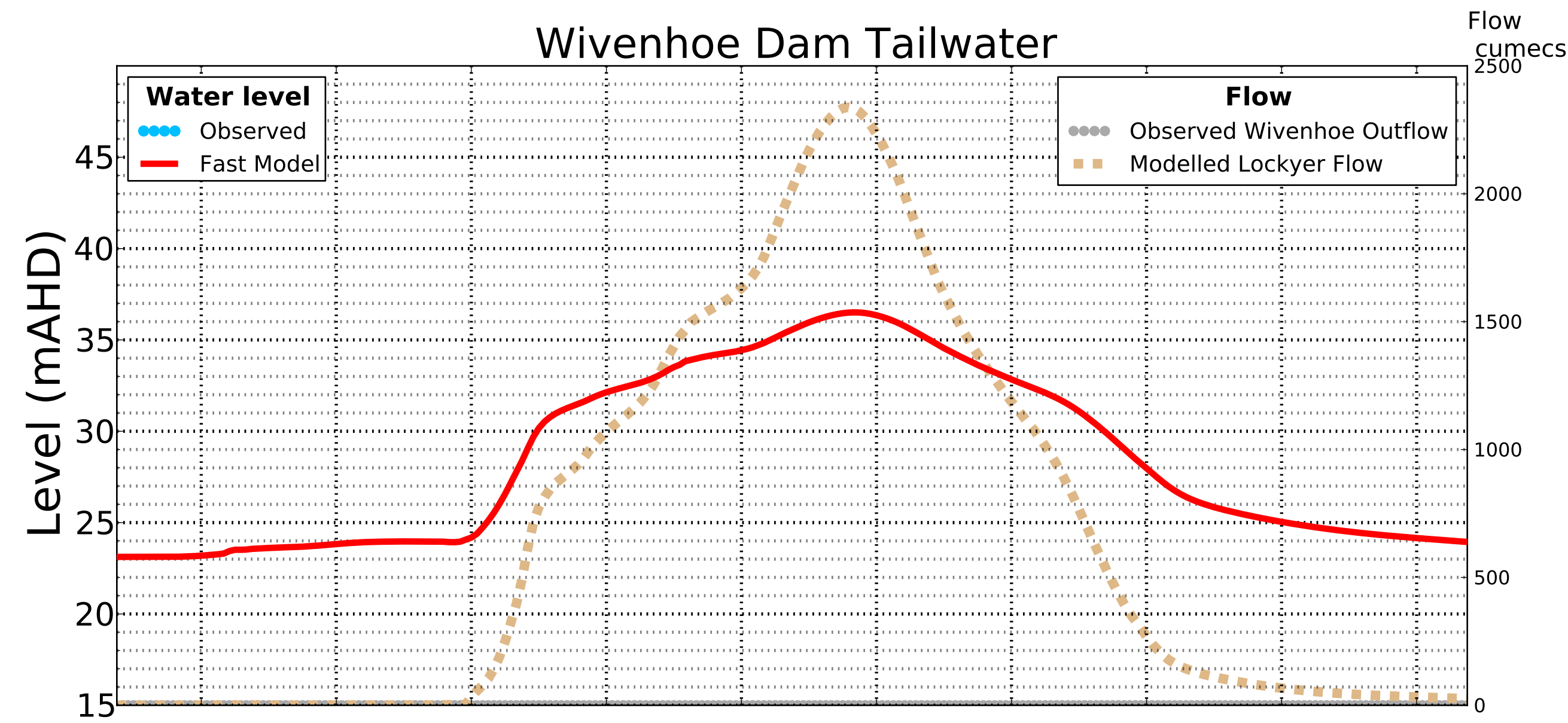
Plot 19 FM & UDMT 2013 Lockyer / Bremer Longitudinal Profiles

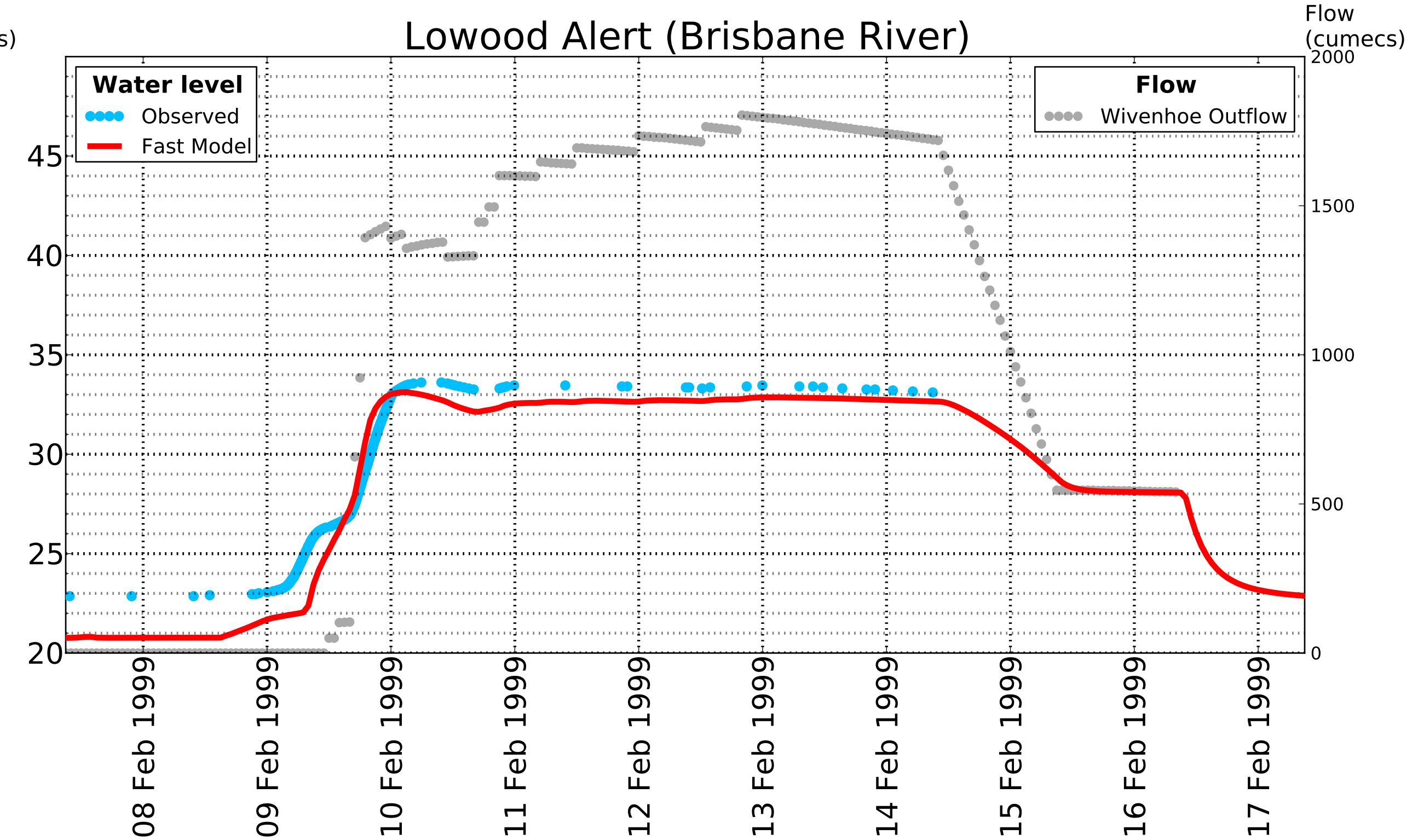
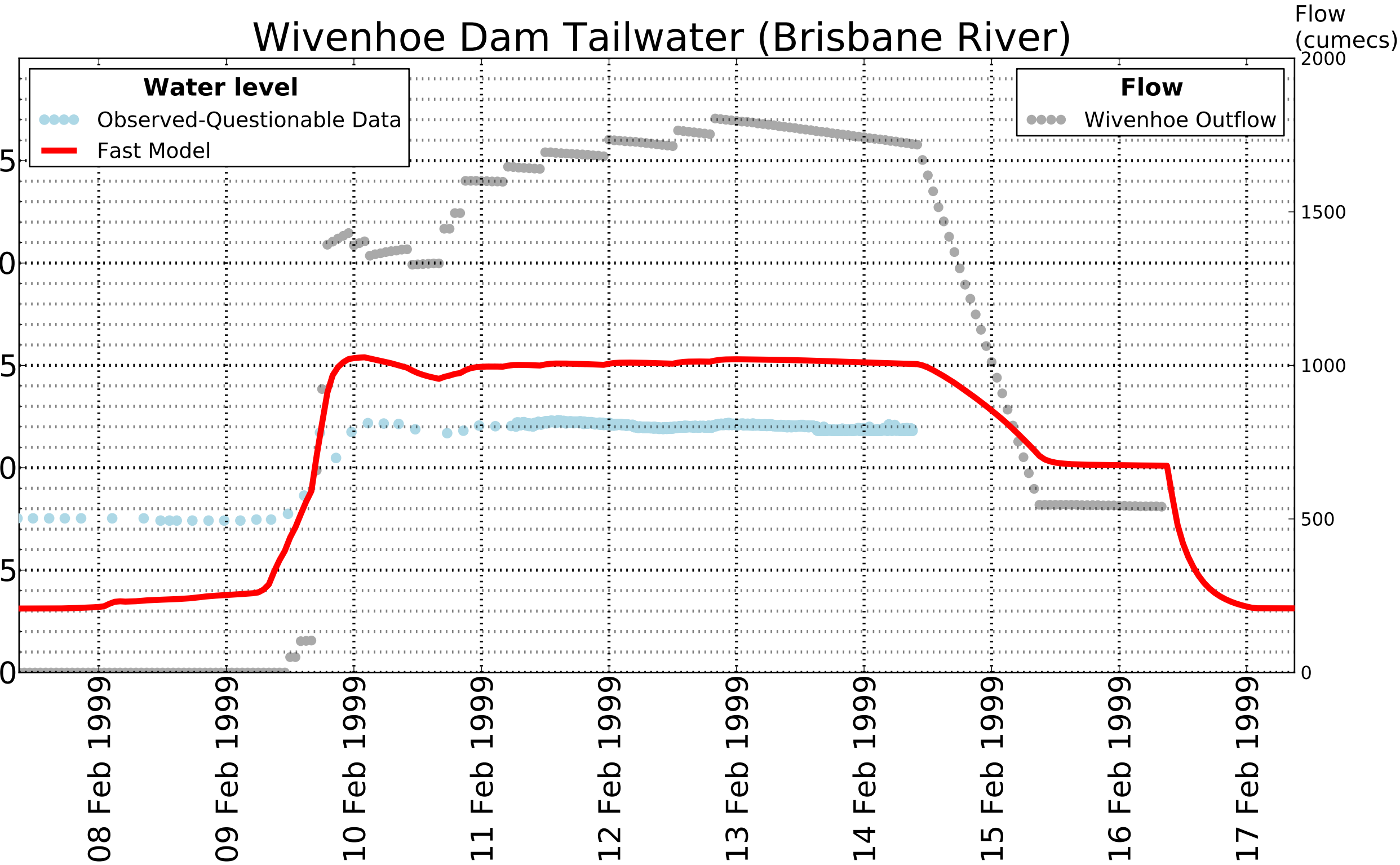
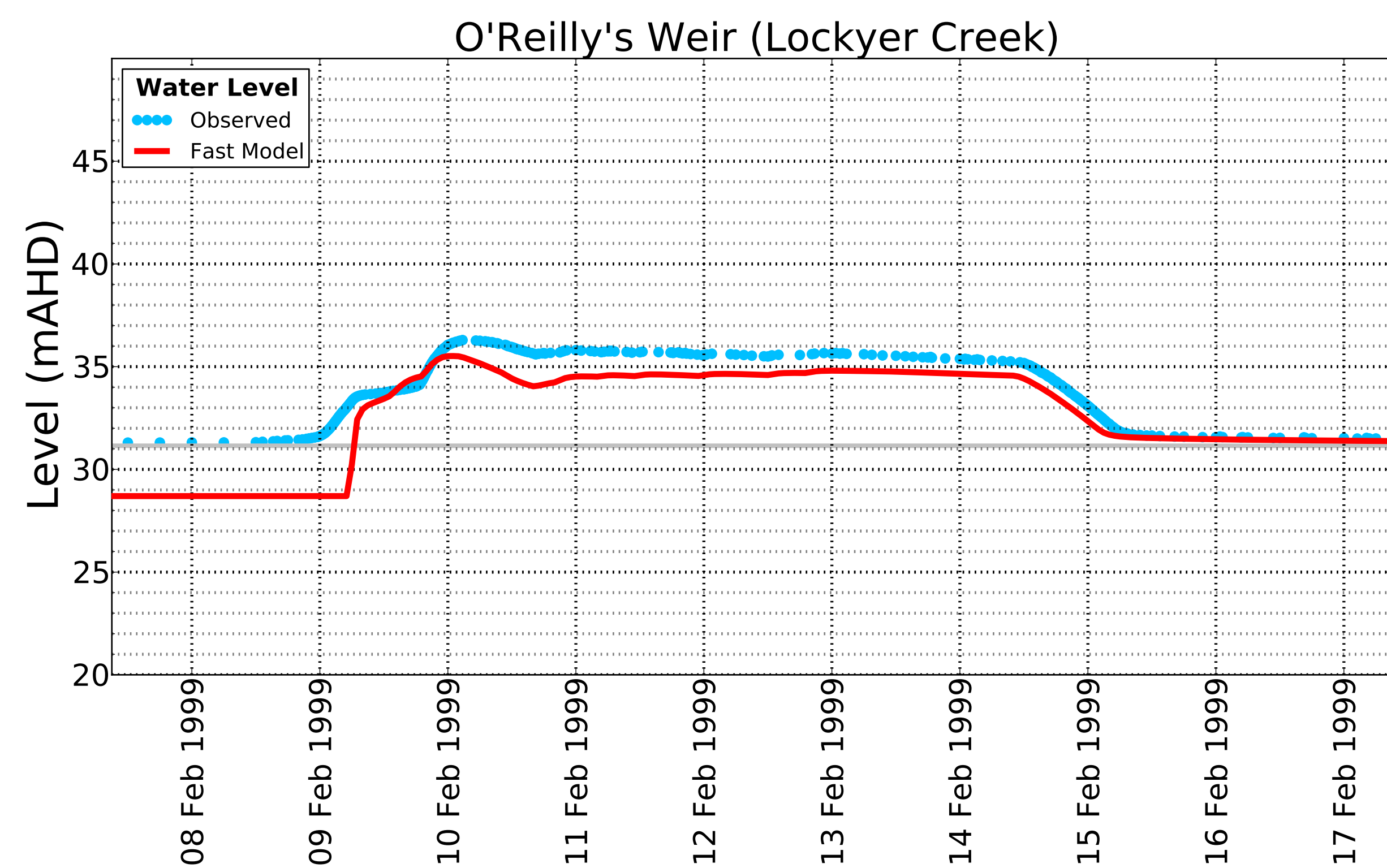
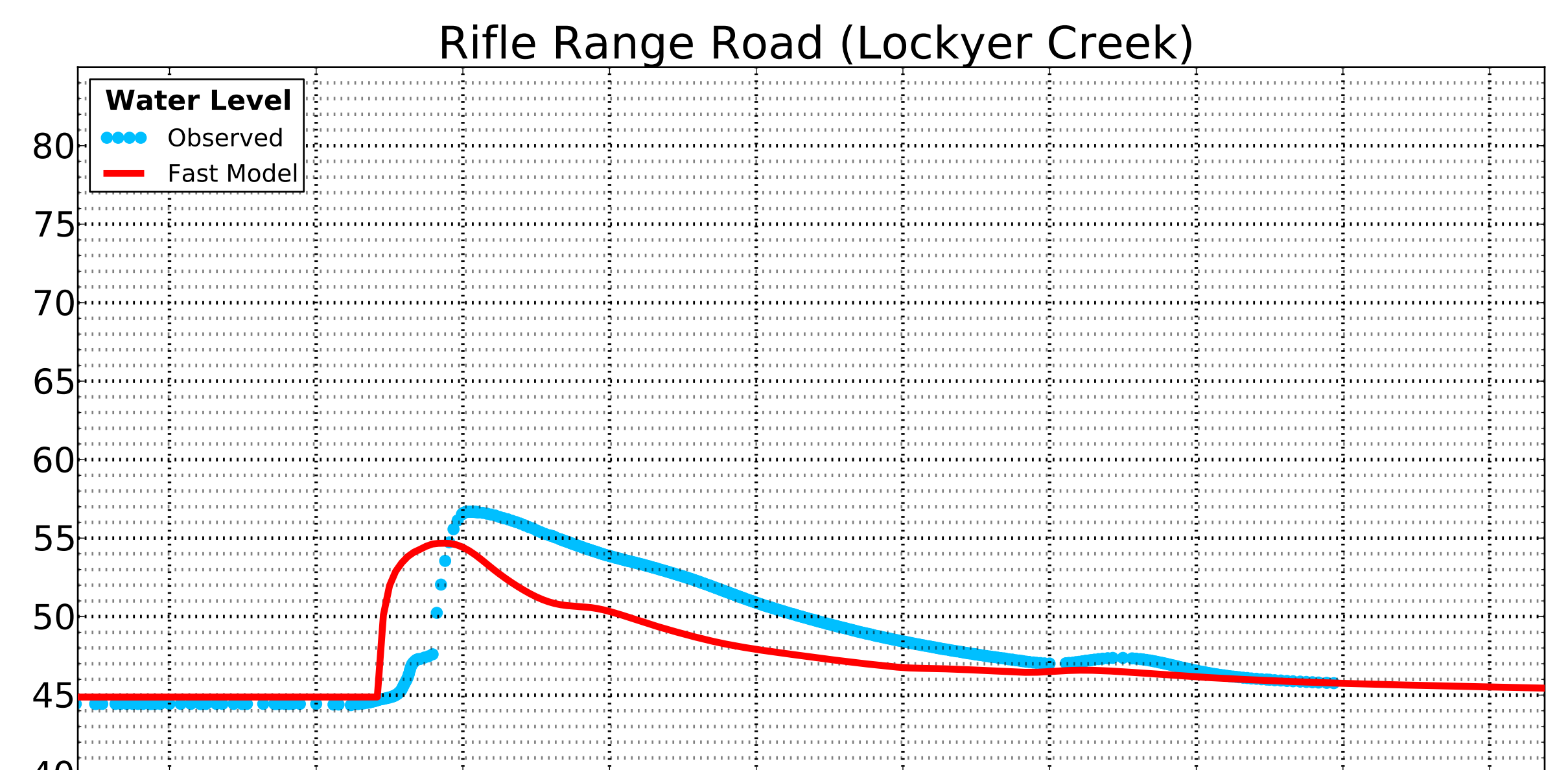
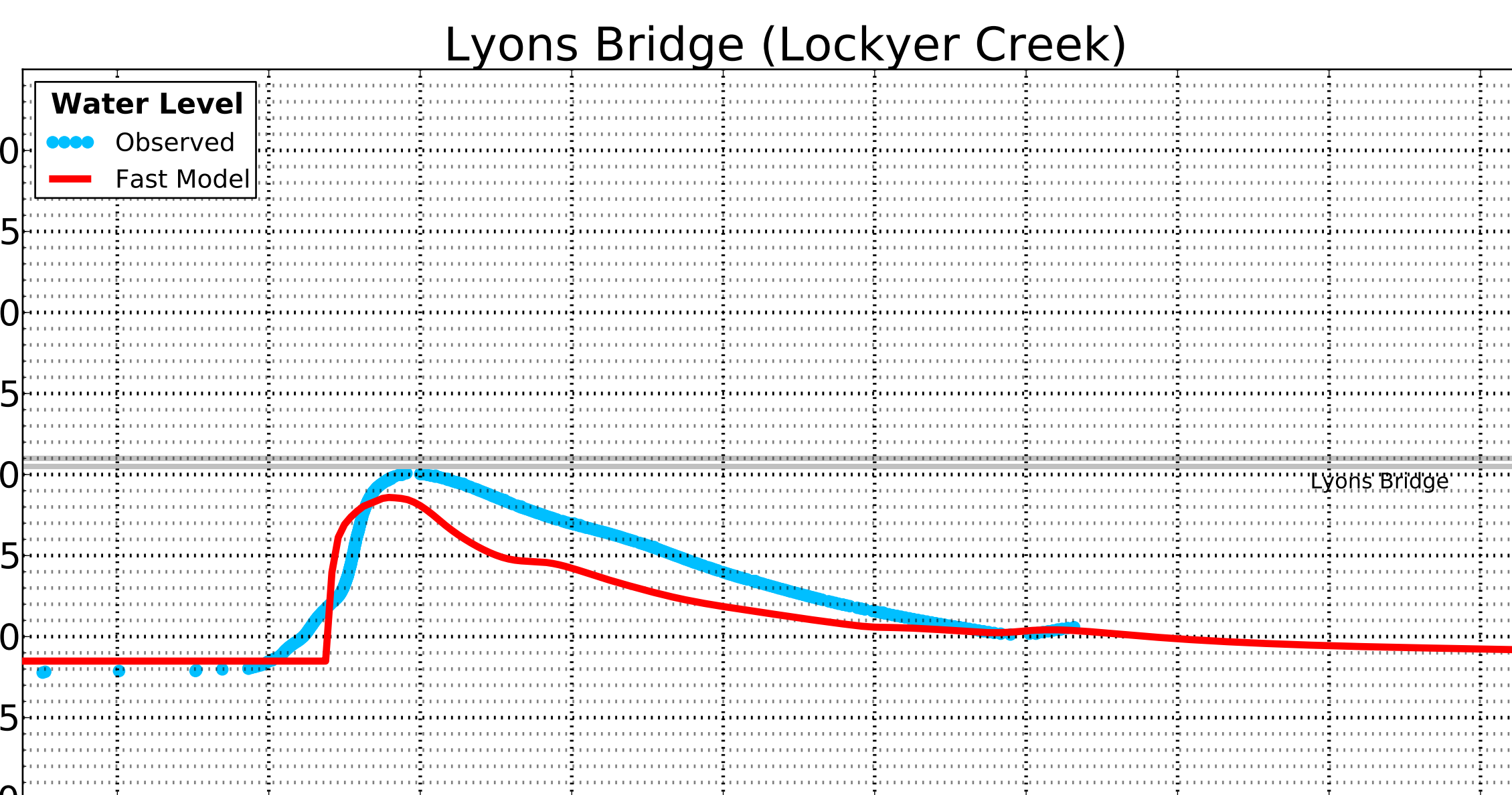
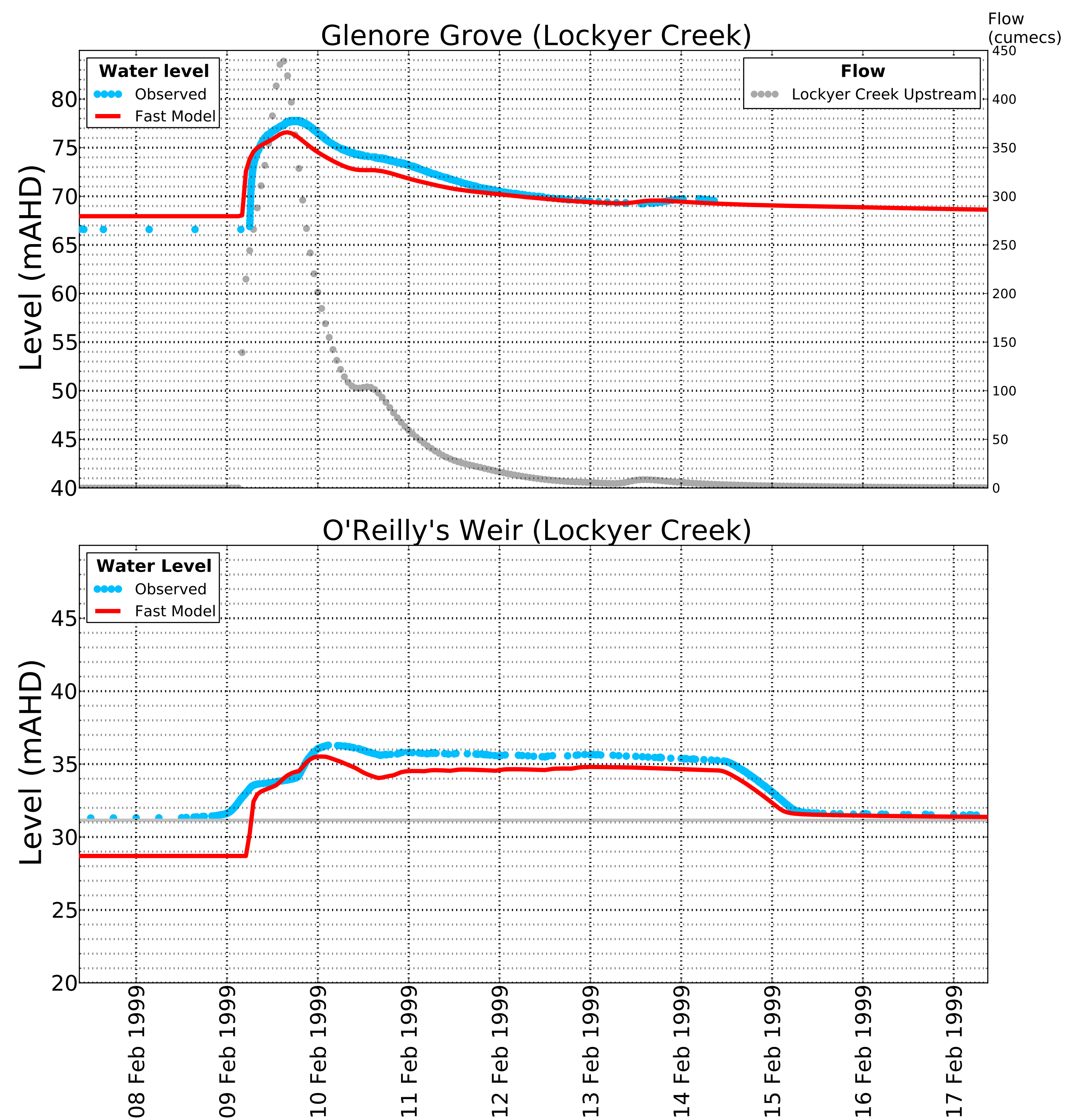


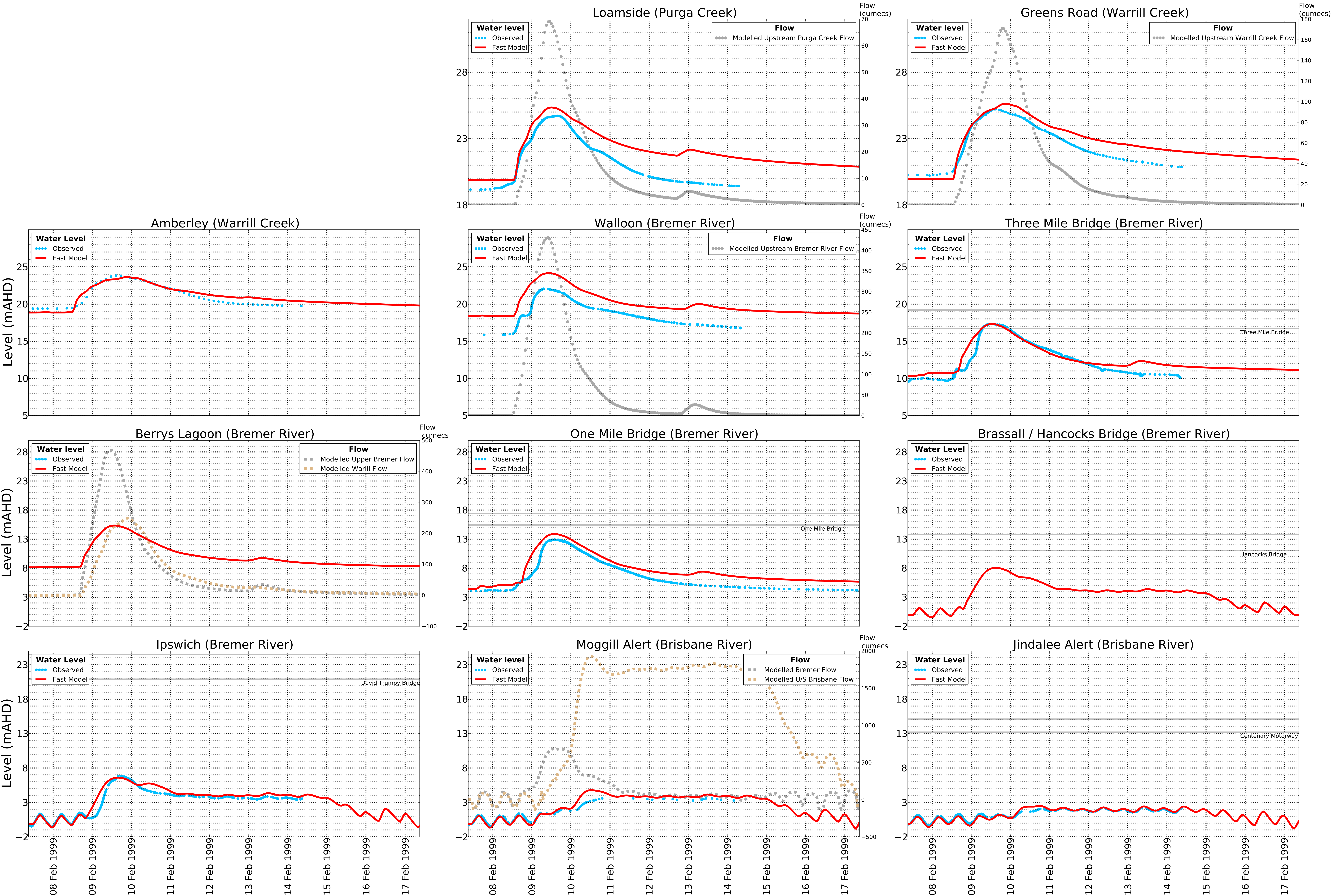


Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 21 FM 1996 Bremer River Water Level Gauges

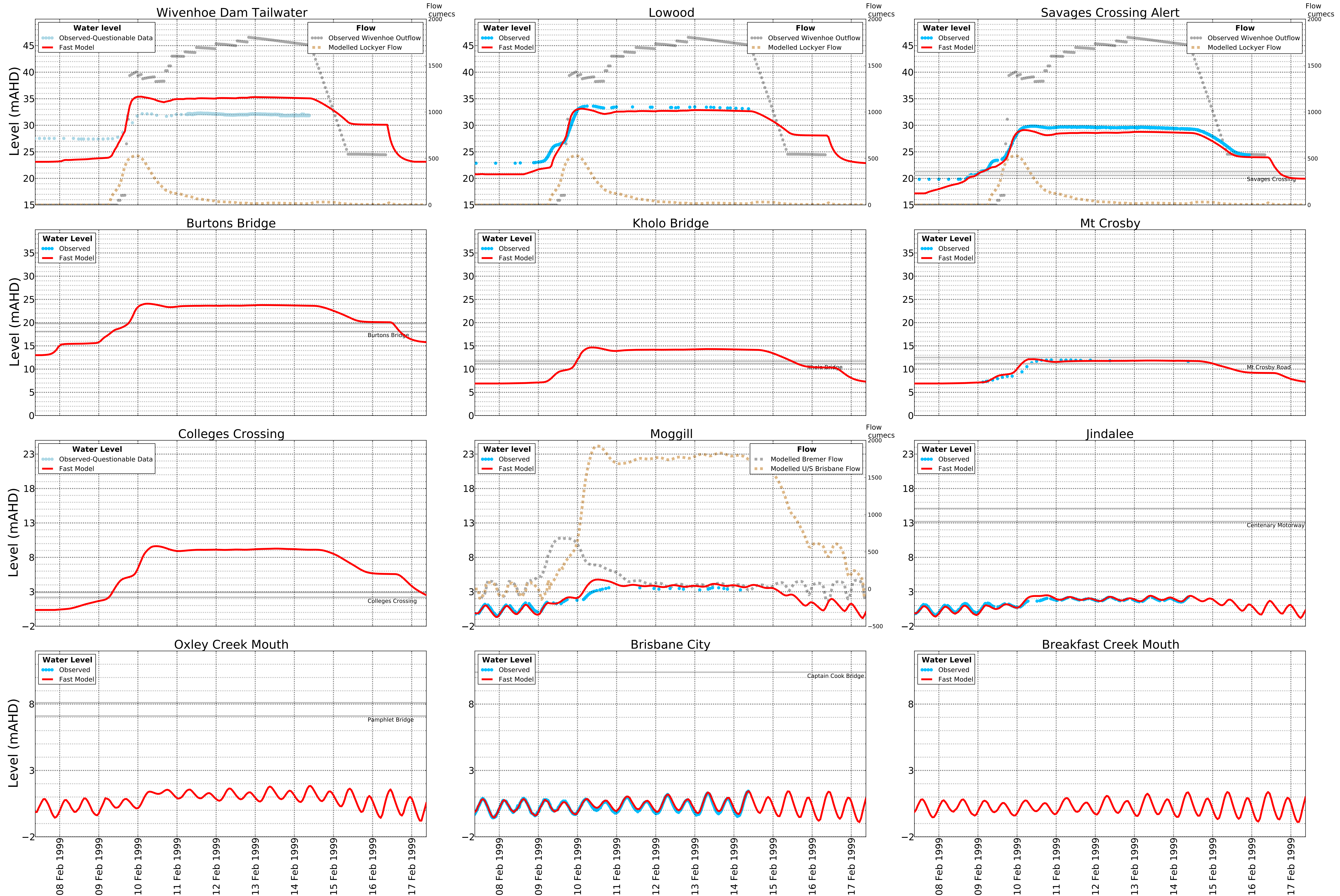






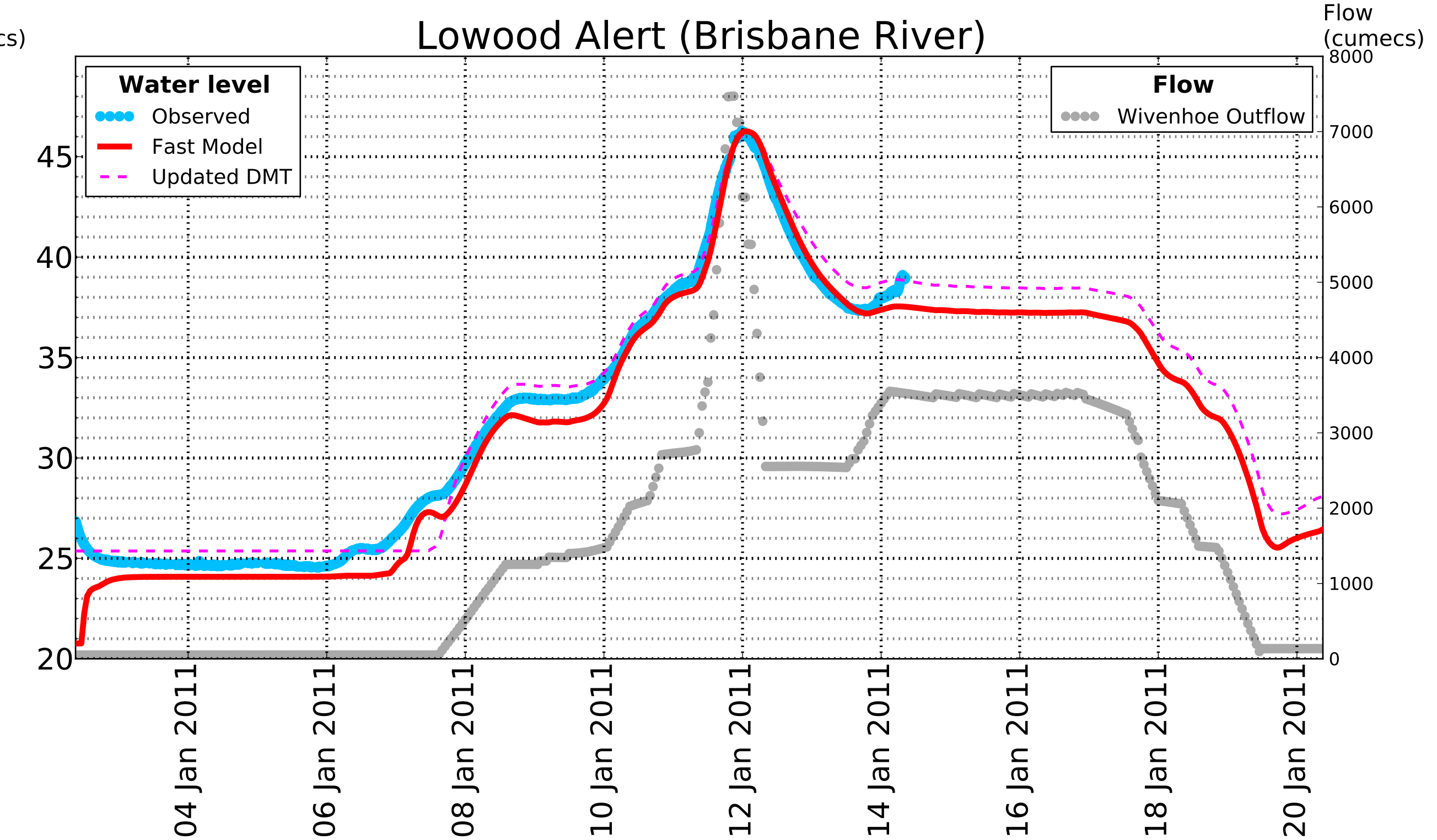
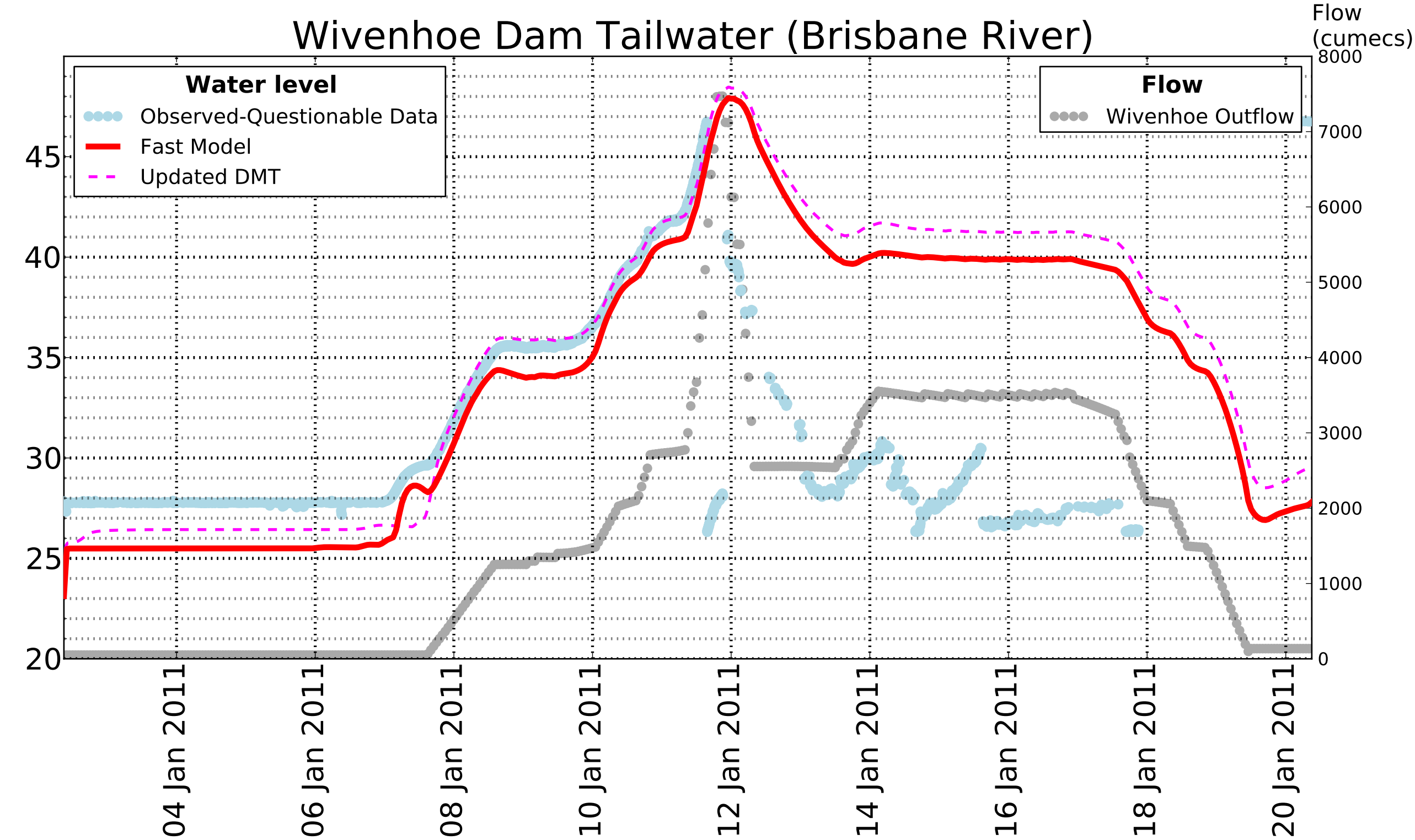
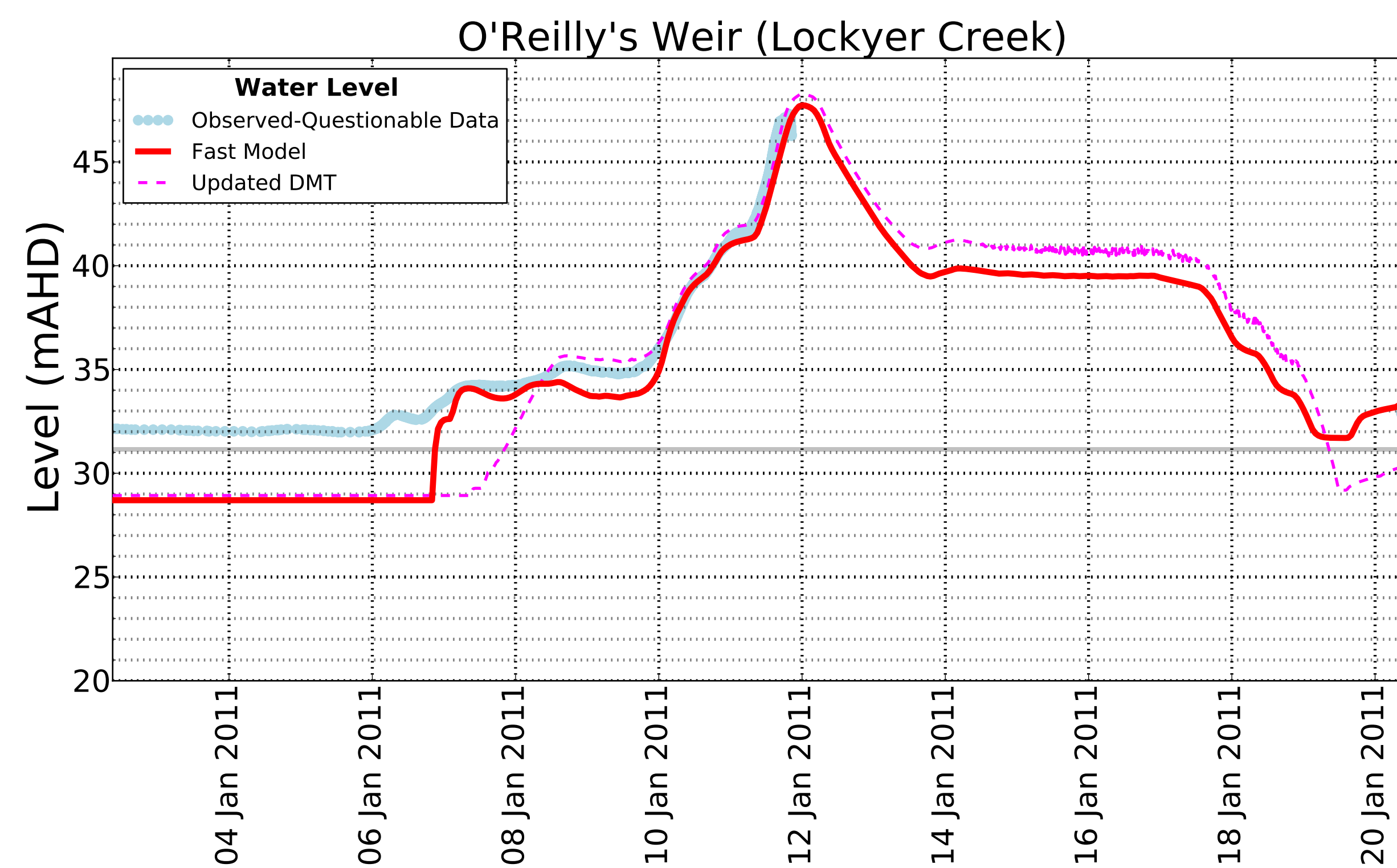
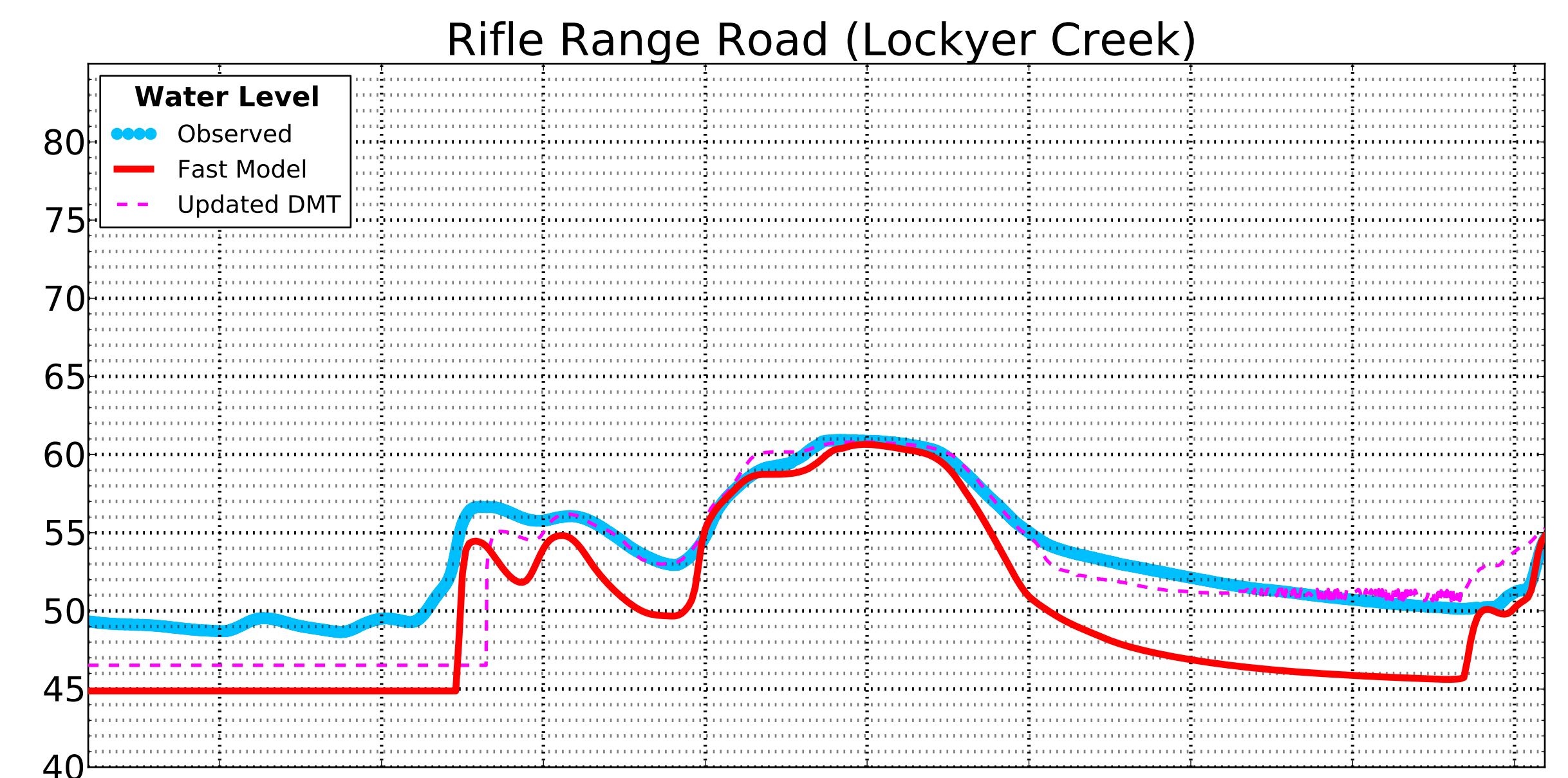
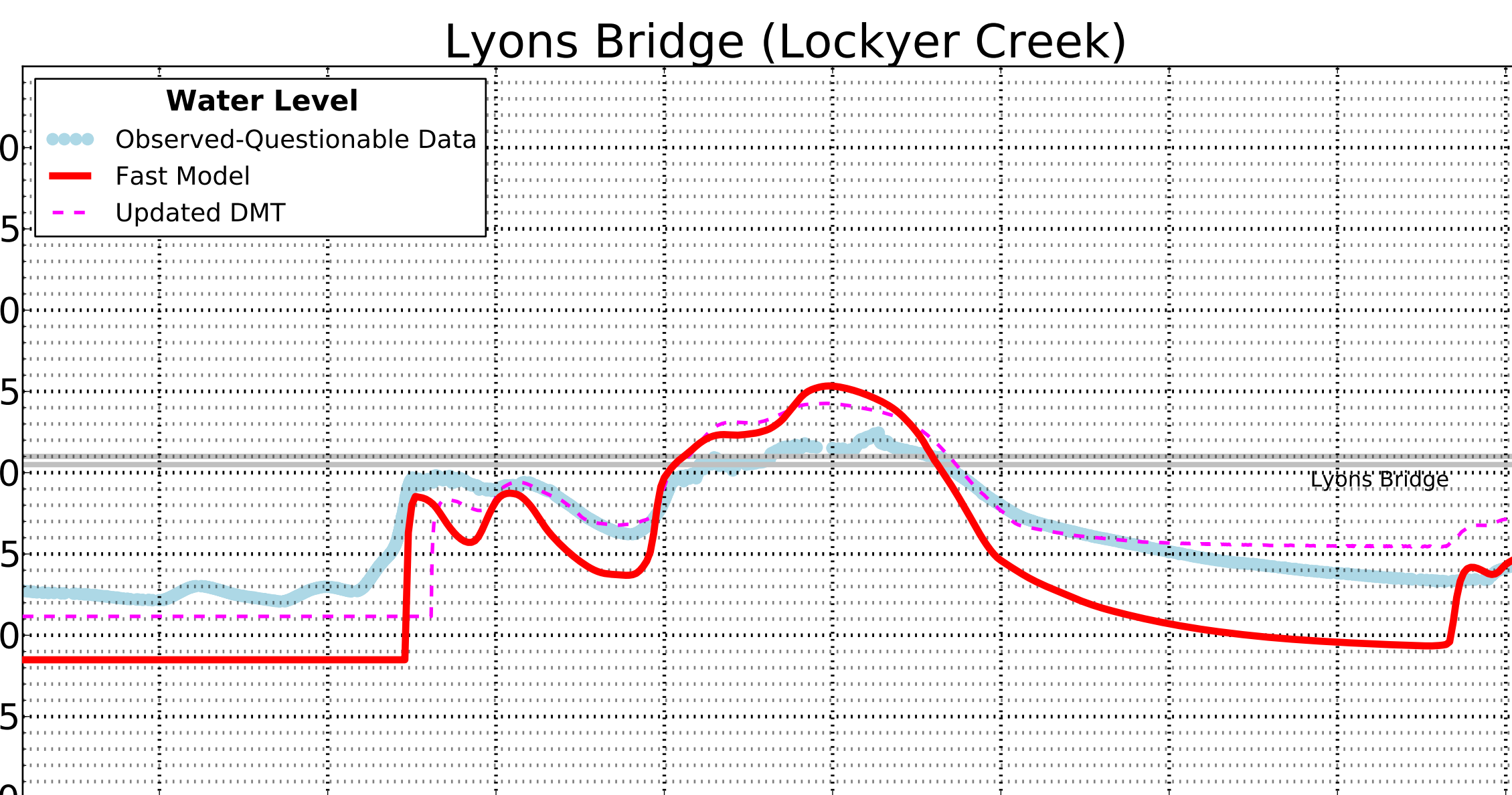
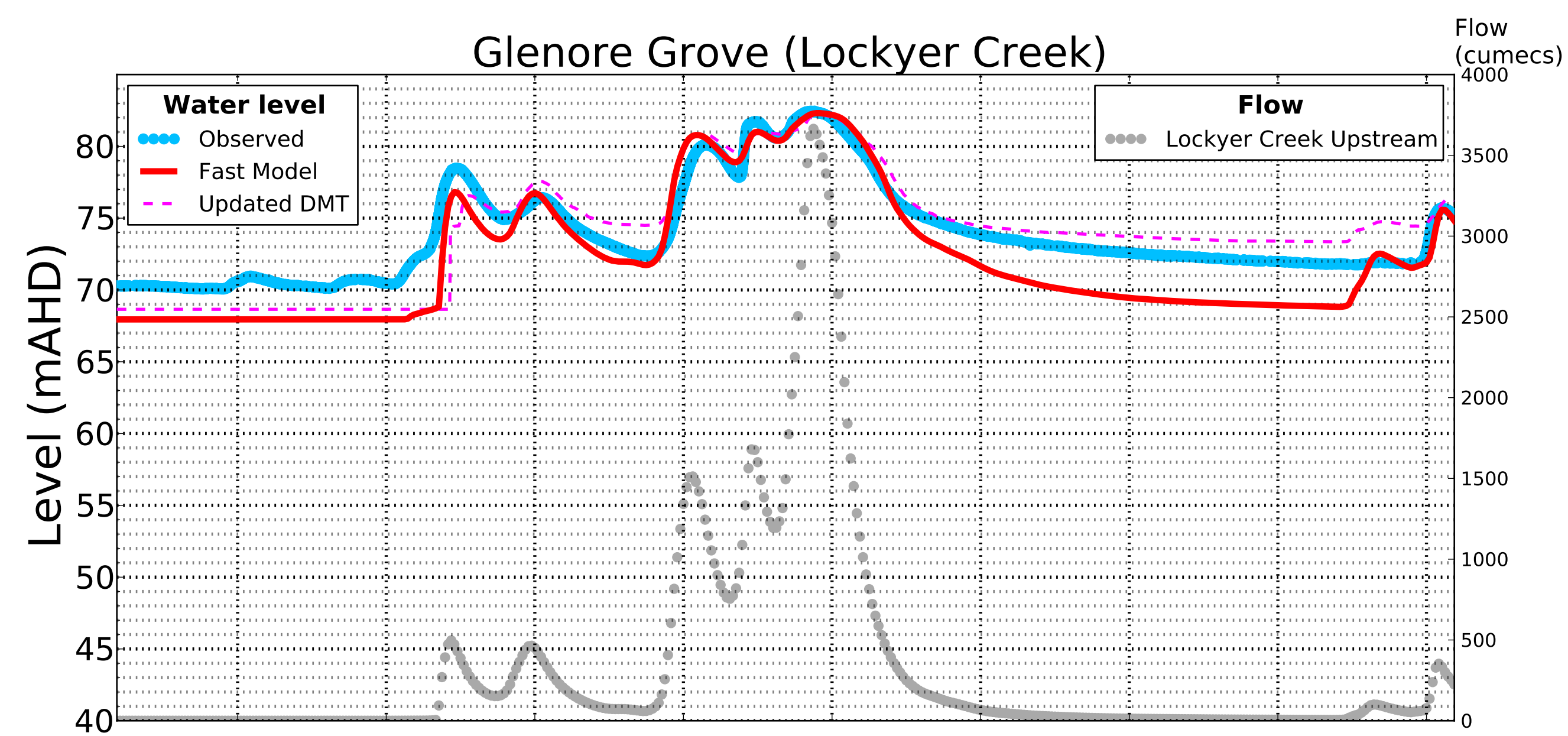
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 24 FM 1999 Bremer River Water Level Gauges



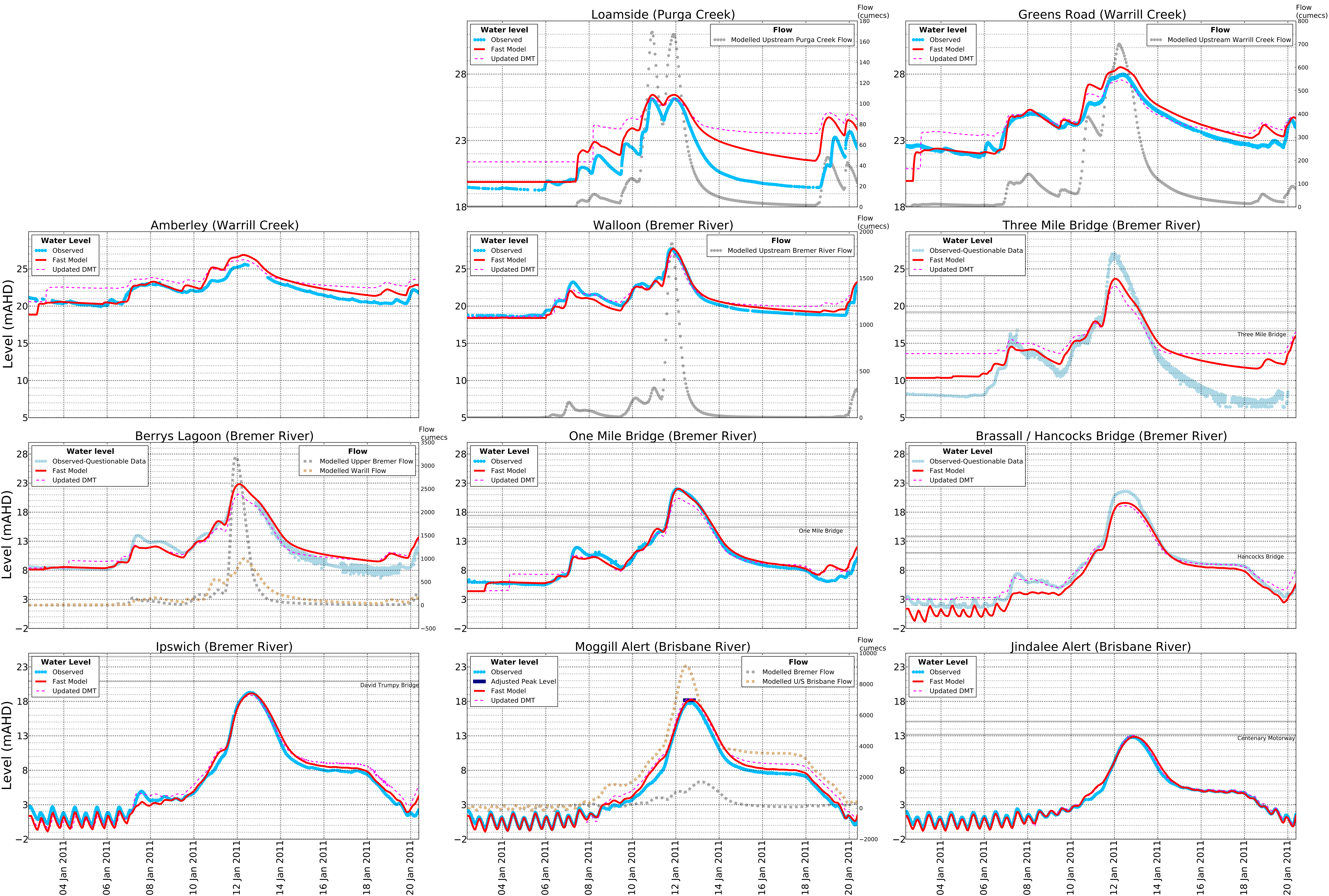
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 25 FM 1999 Brisbane River Water Level Gauges



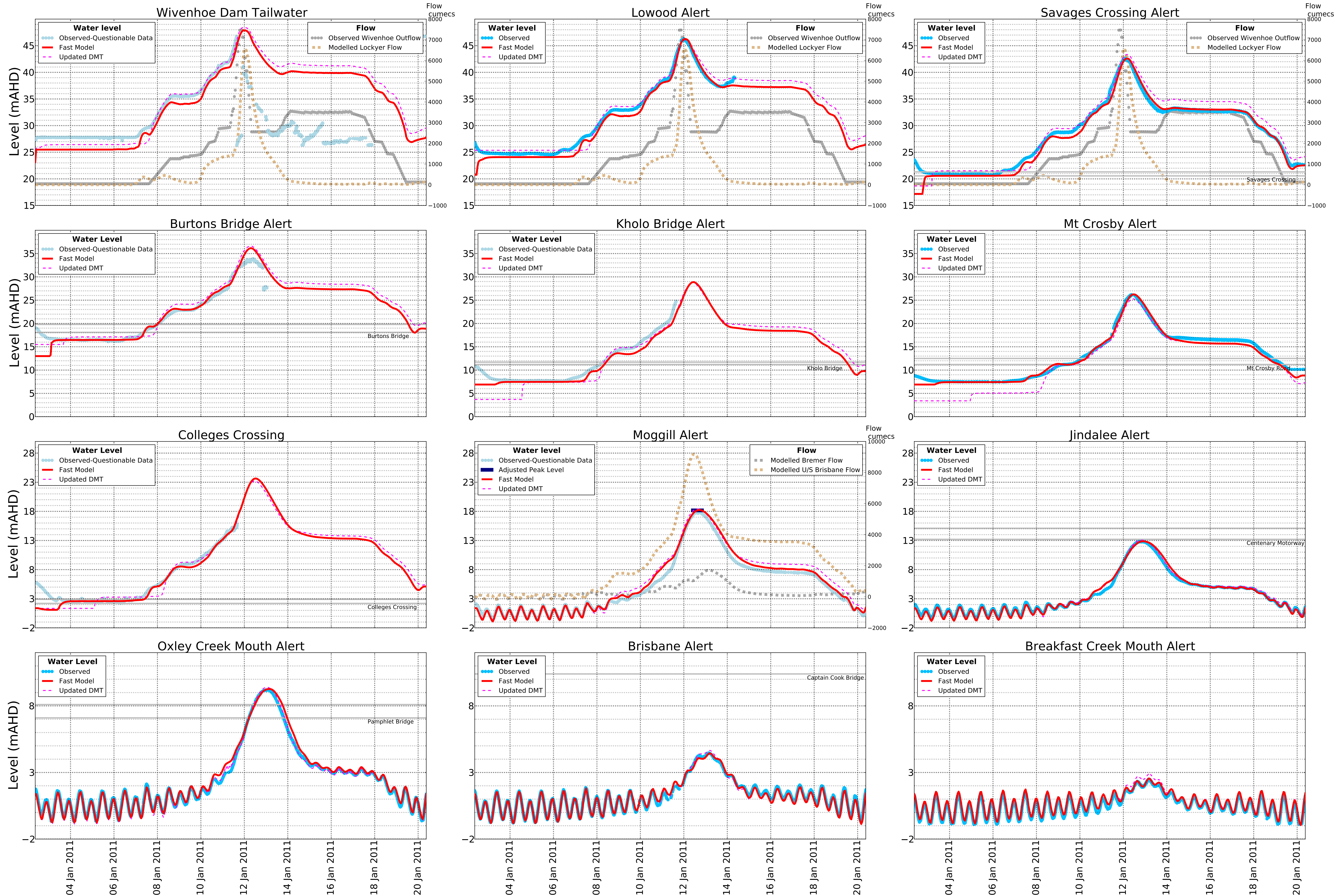
Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Fast Model Version: 0285, Updated DMT version: 021_20m

Plot 26 FM & UDMT 2011 Lockyer Creek Water Level Gauges



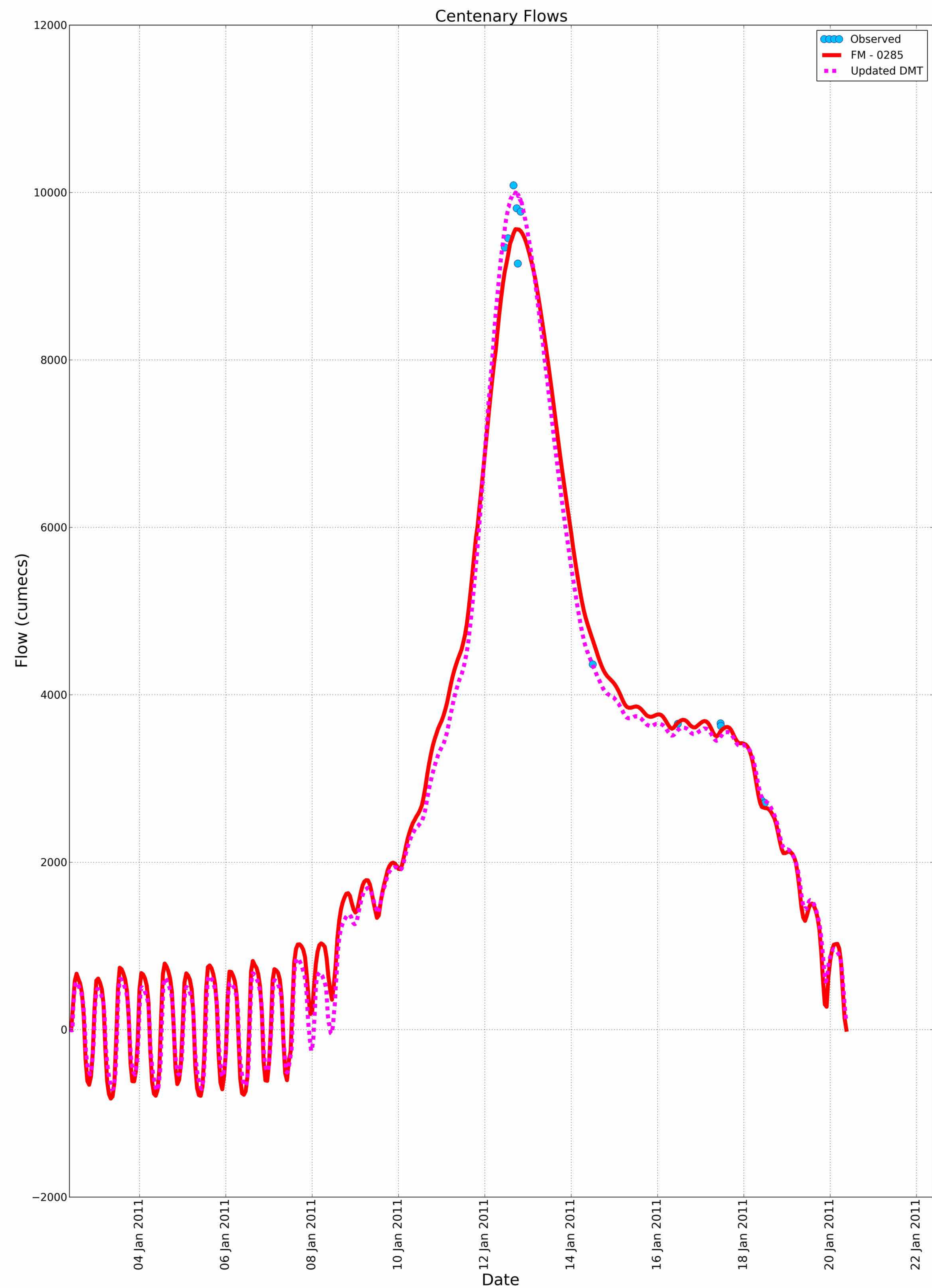
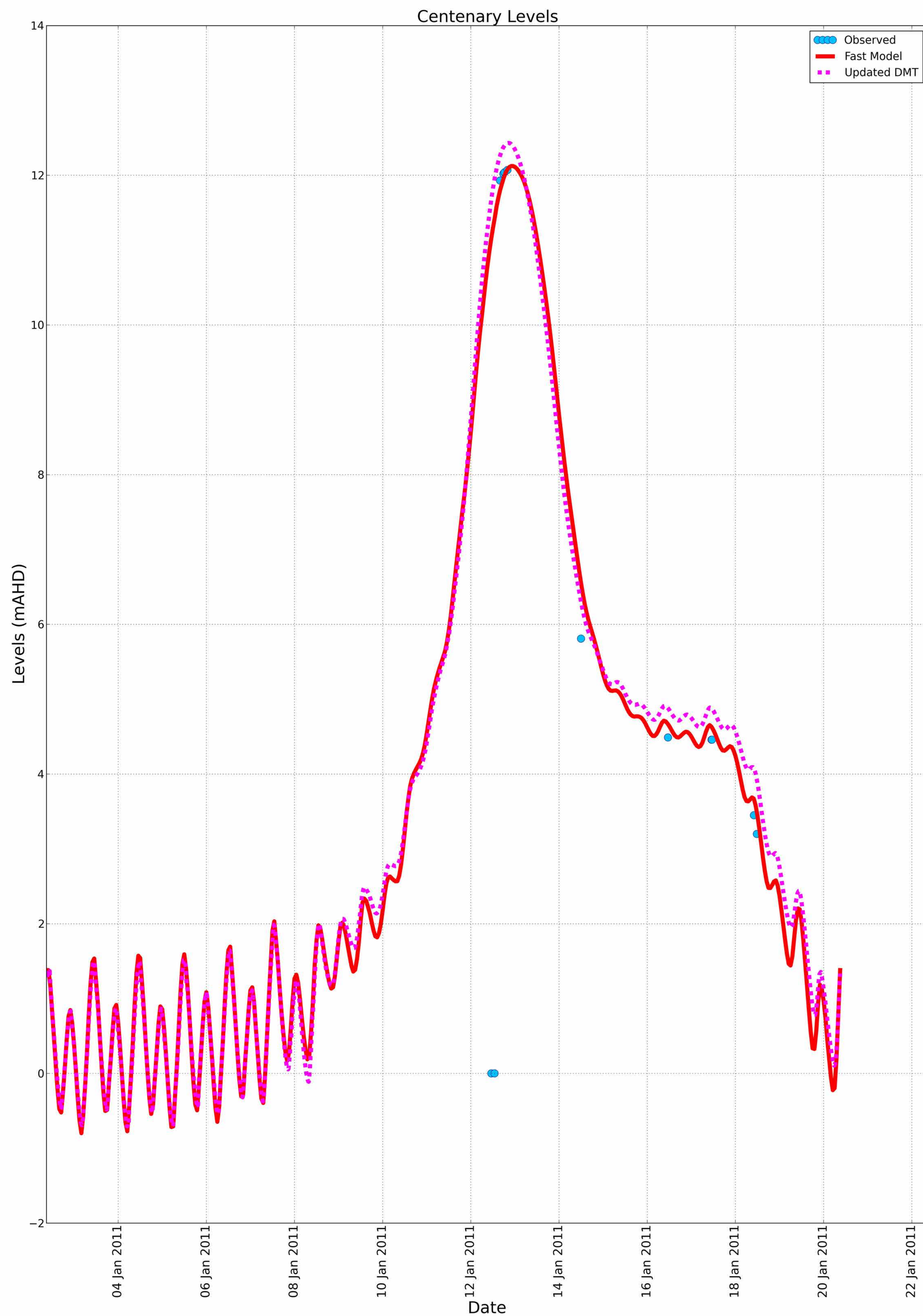
Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Fast Model Version: 0285, Updated DMT version: 021_20m

Plot 27 FM & UDMT 2011 Bremer River Water Level Gauges



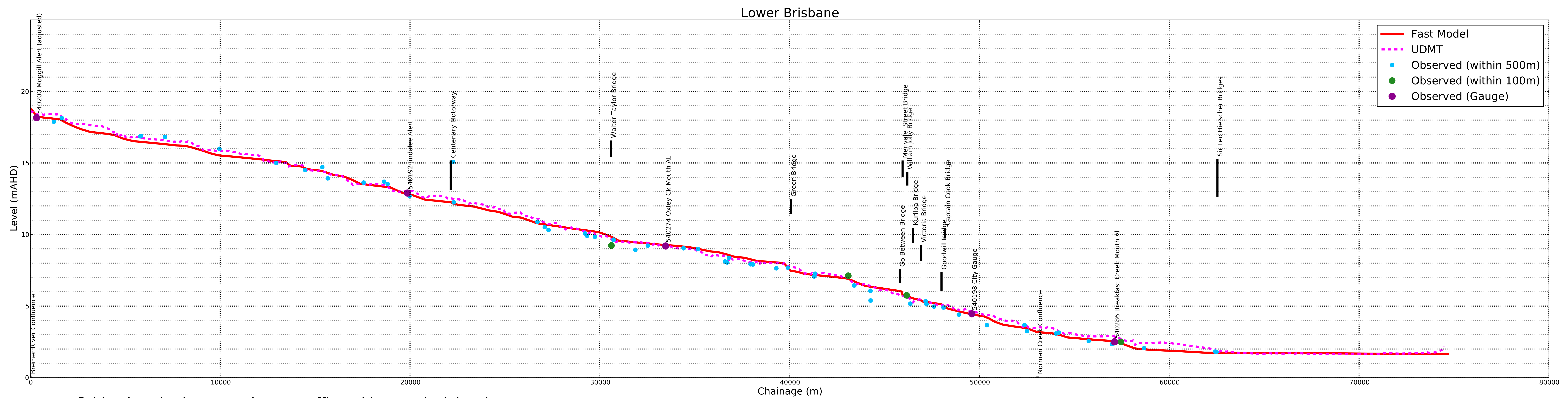
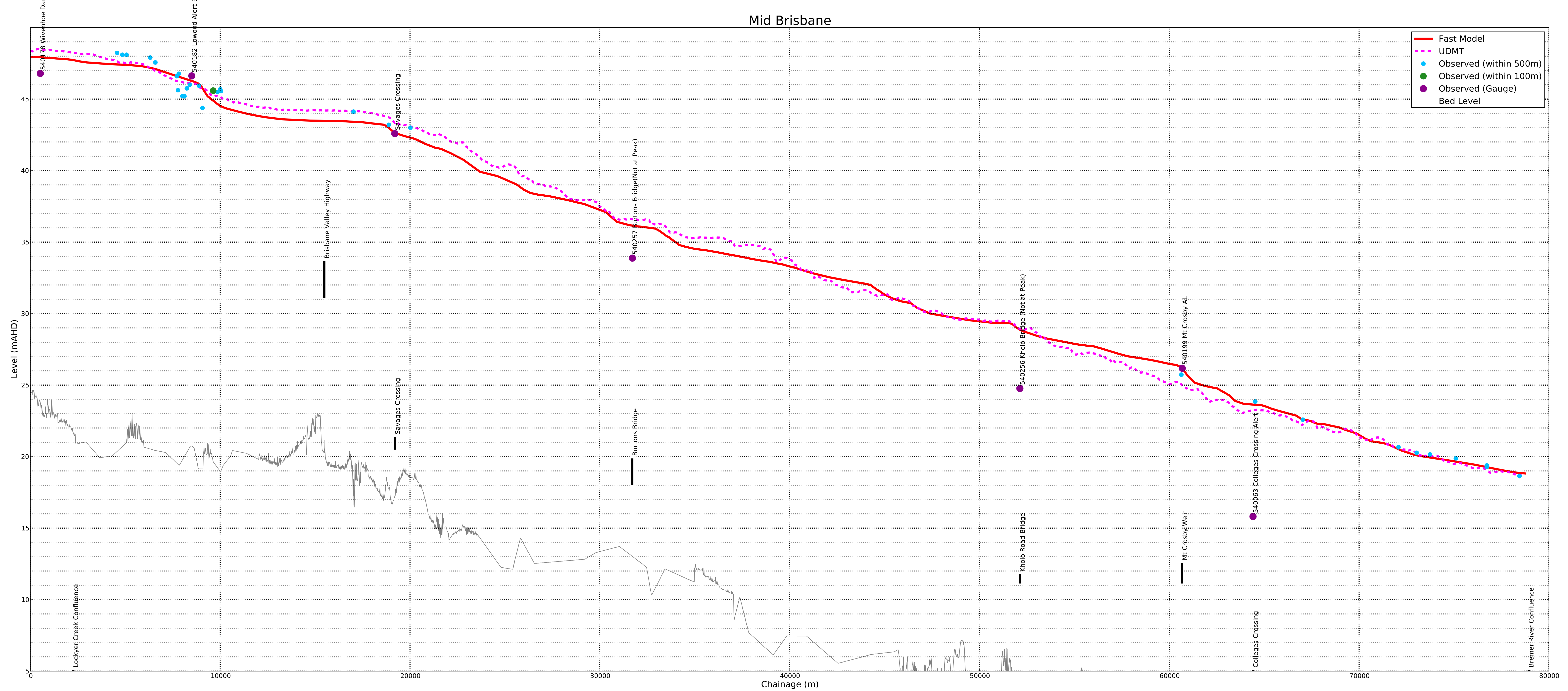
Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Fast Model Version: 0285, Updated DMT version: 021_20m

Plot 28 FM & UDMT 2011 Brisbane River Water Level Gauges



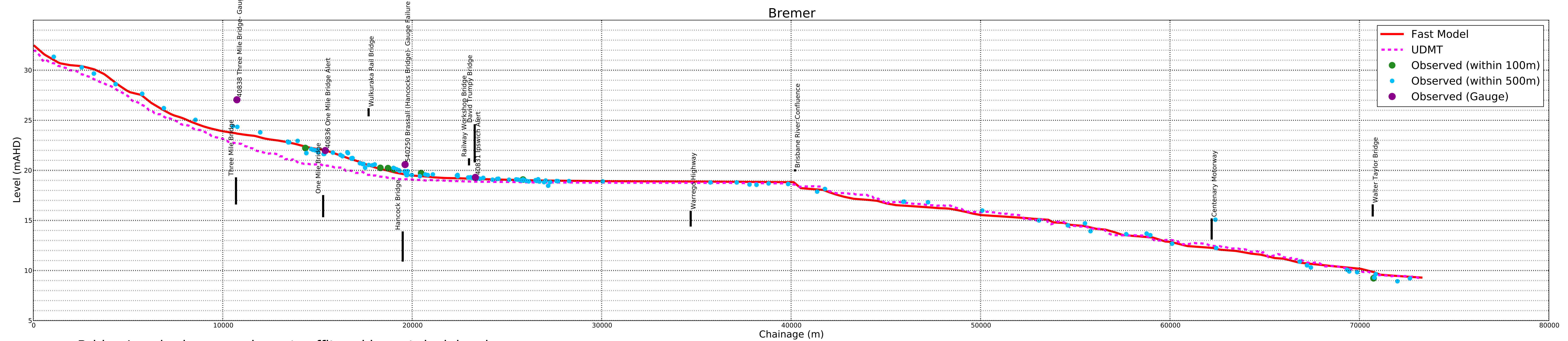
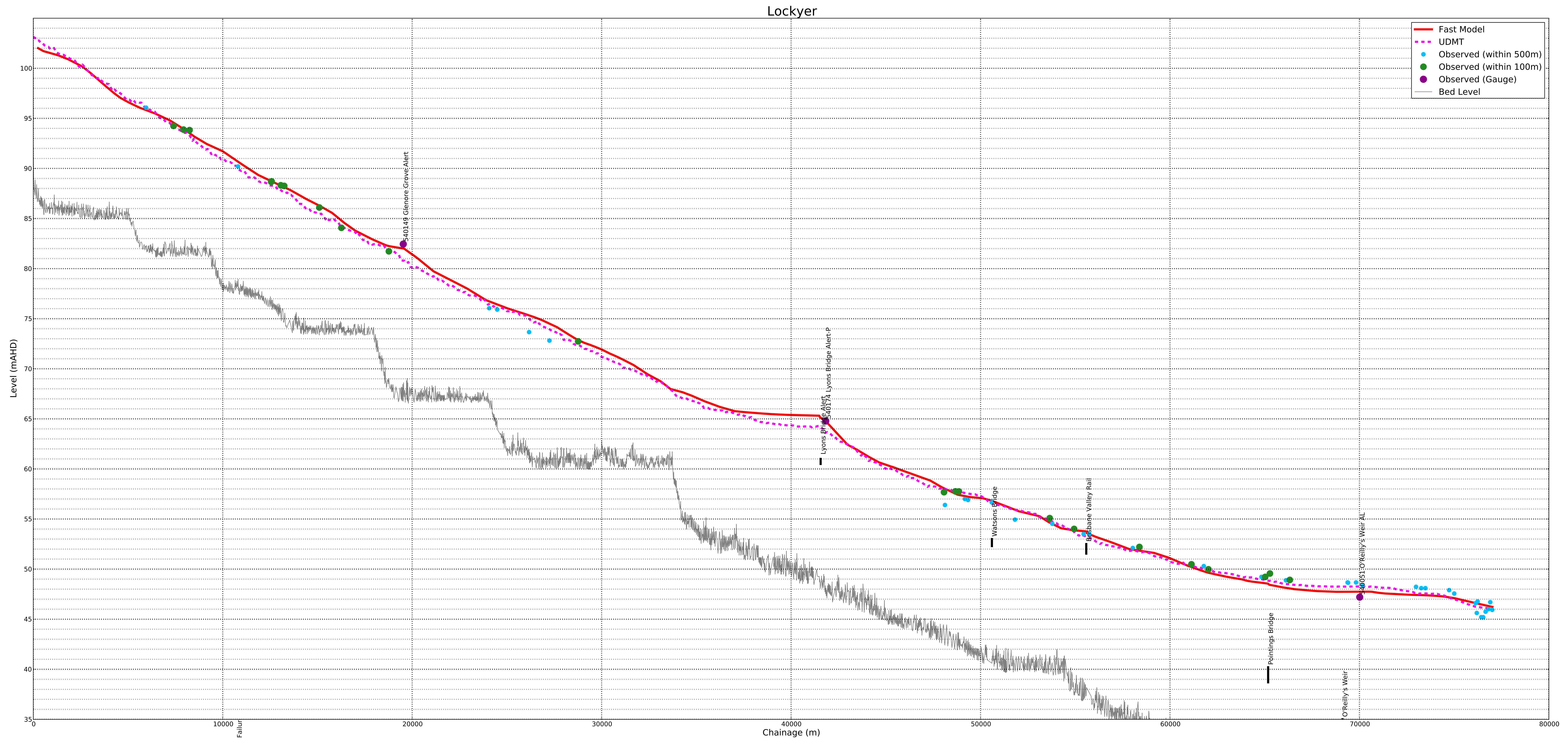
Date Labels are at 00:00 hours on that date
 Fast Model Version: 0285, Updated DMT version: 021_20m

Plot 29 FM & UDMT 2011 Centenary Bridge Flow Recordings



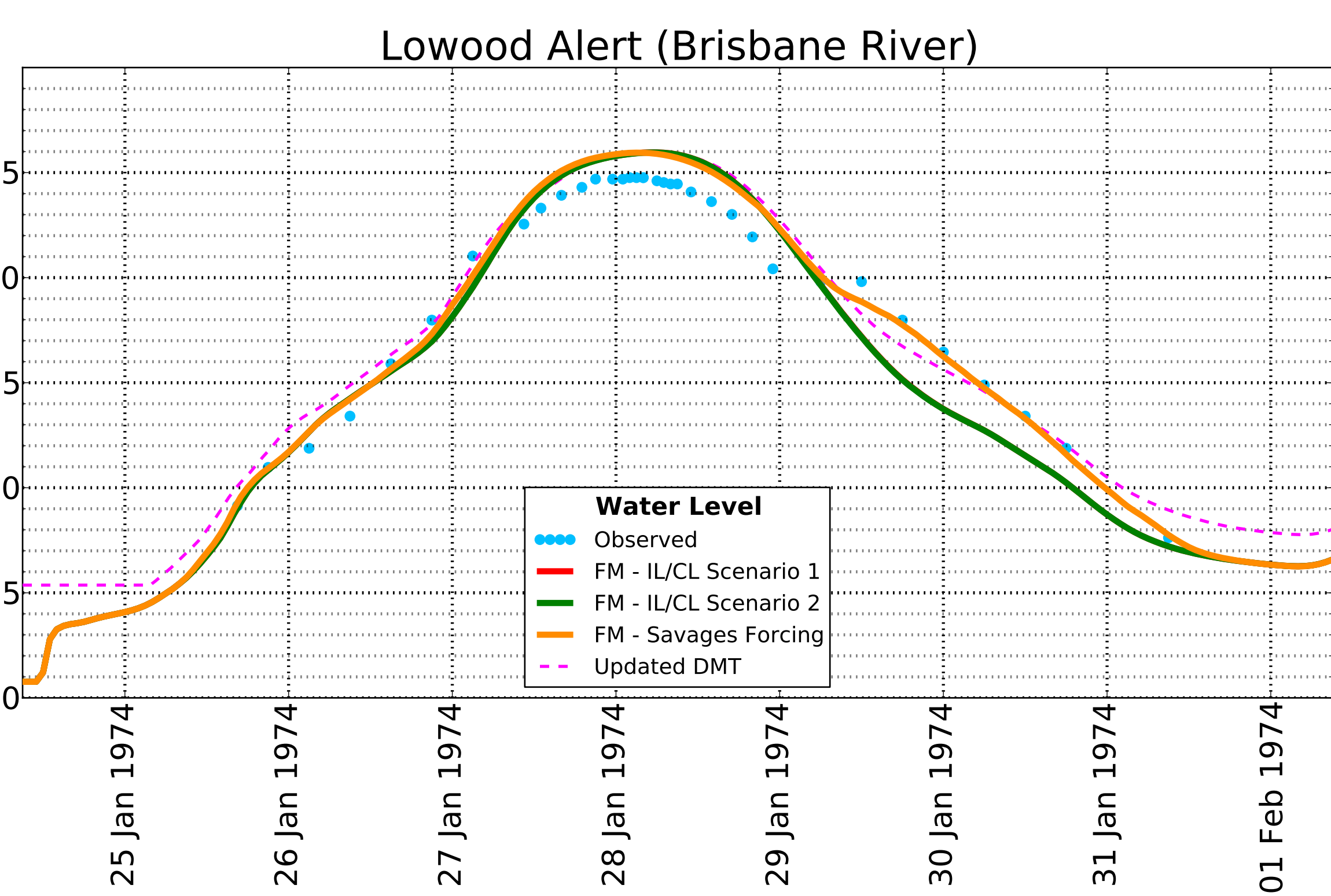
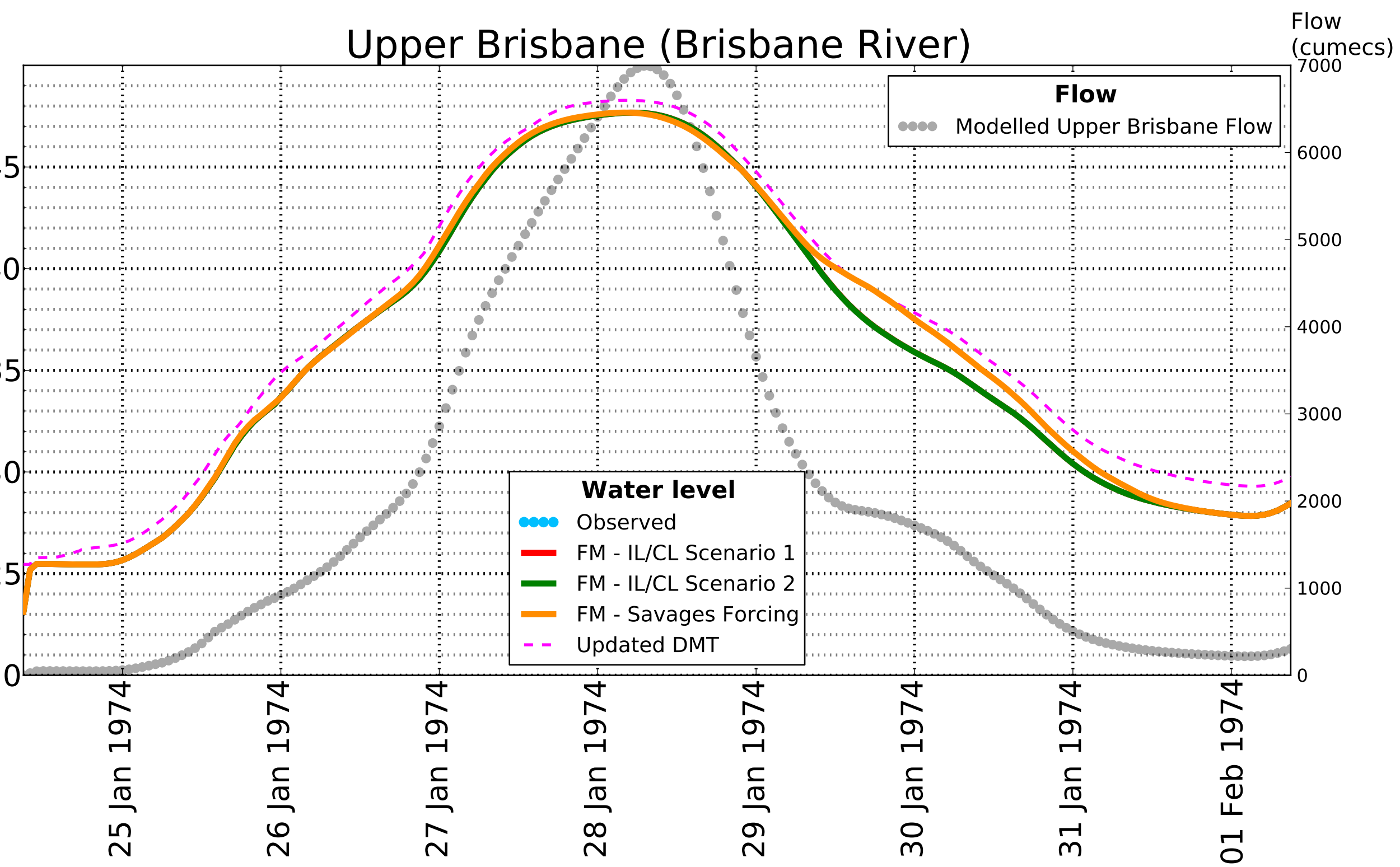
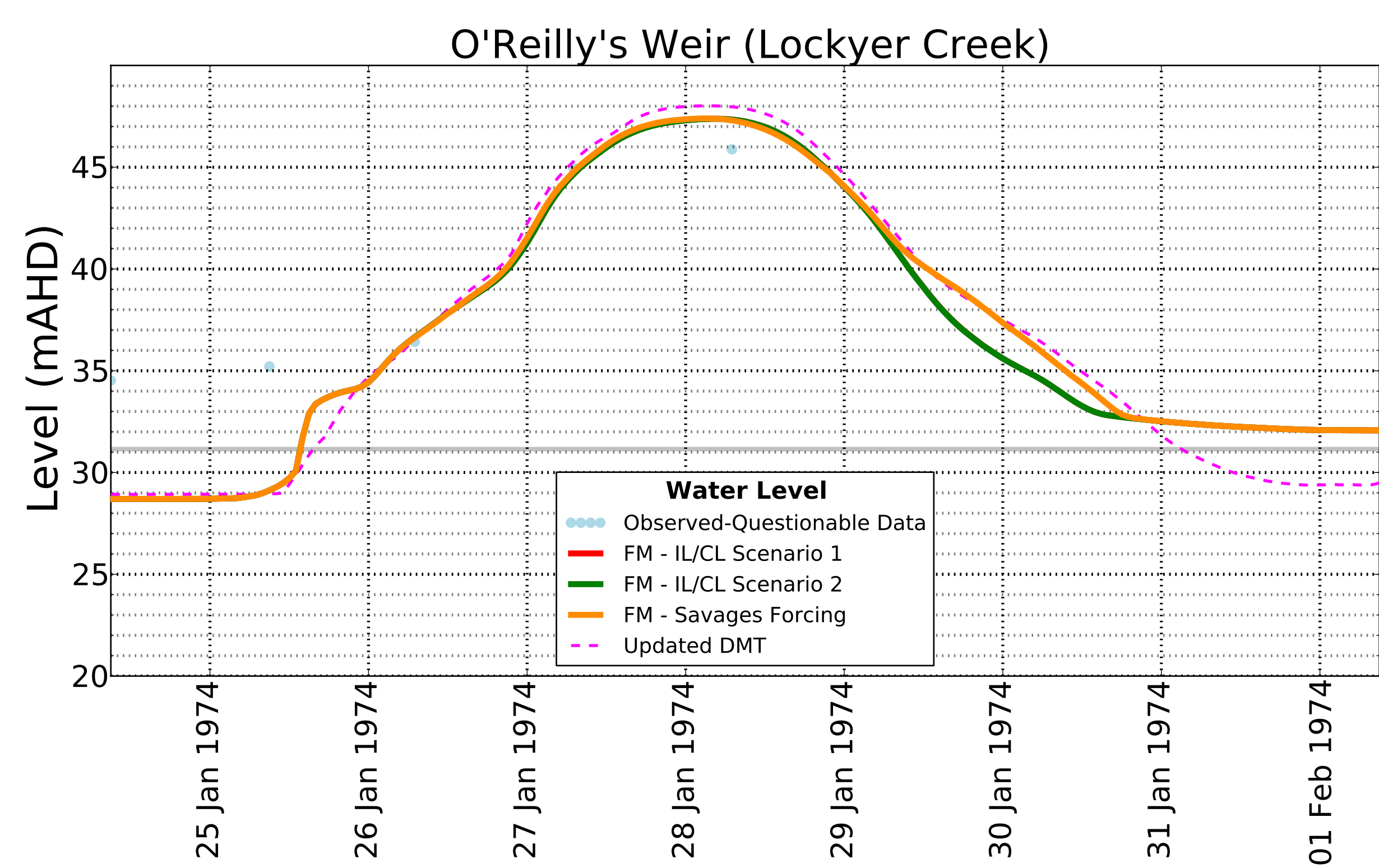
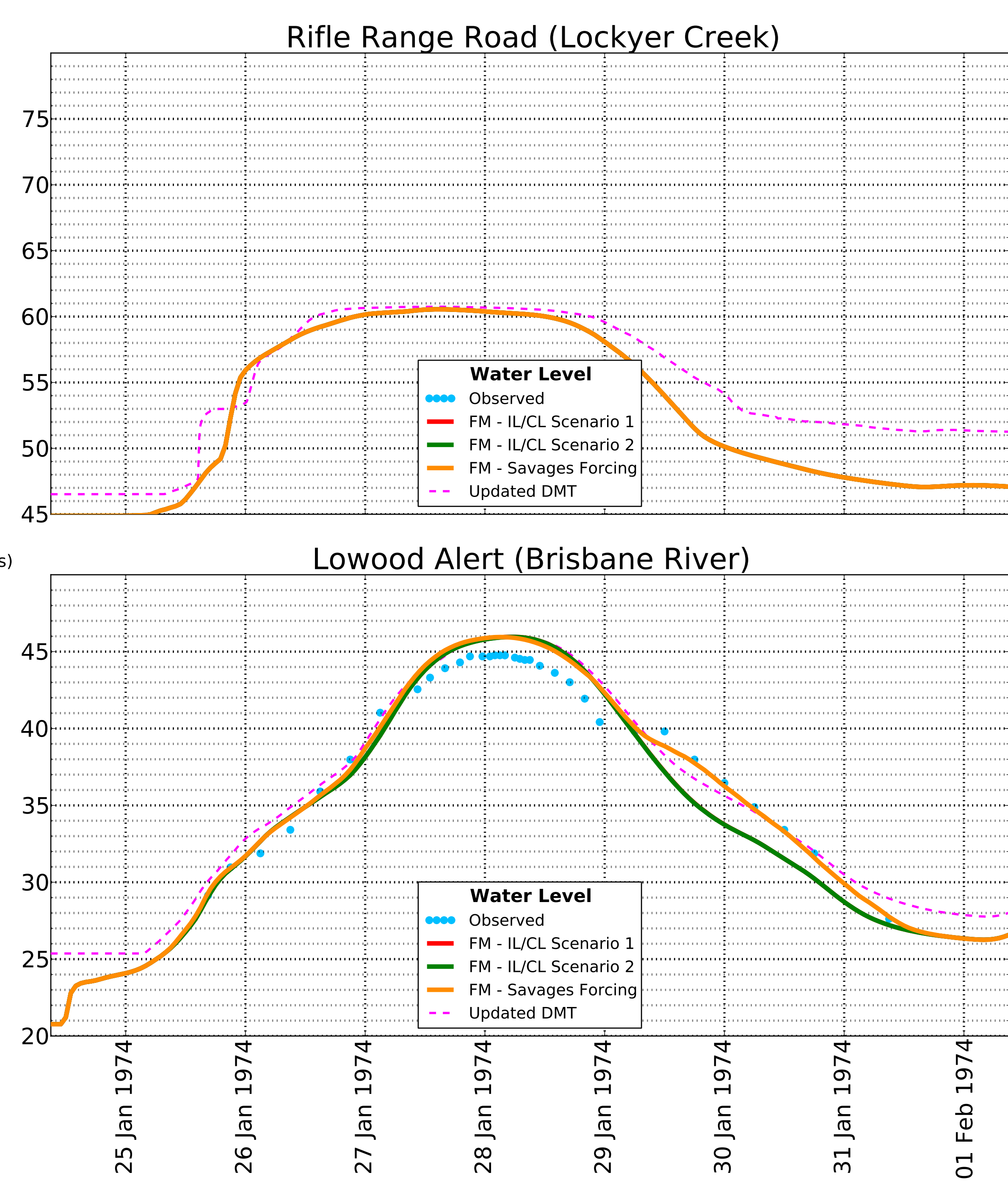
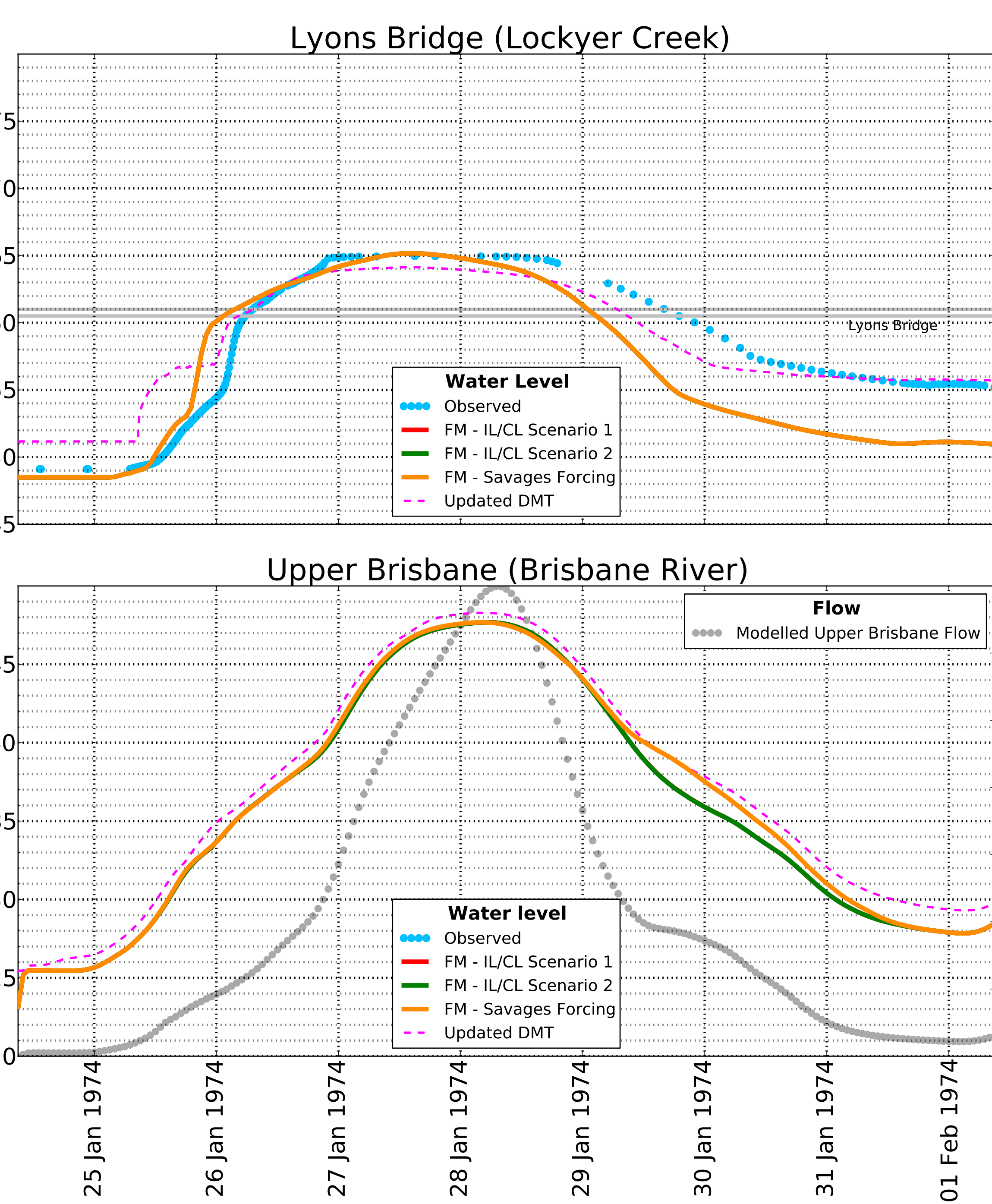
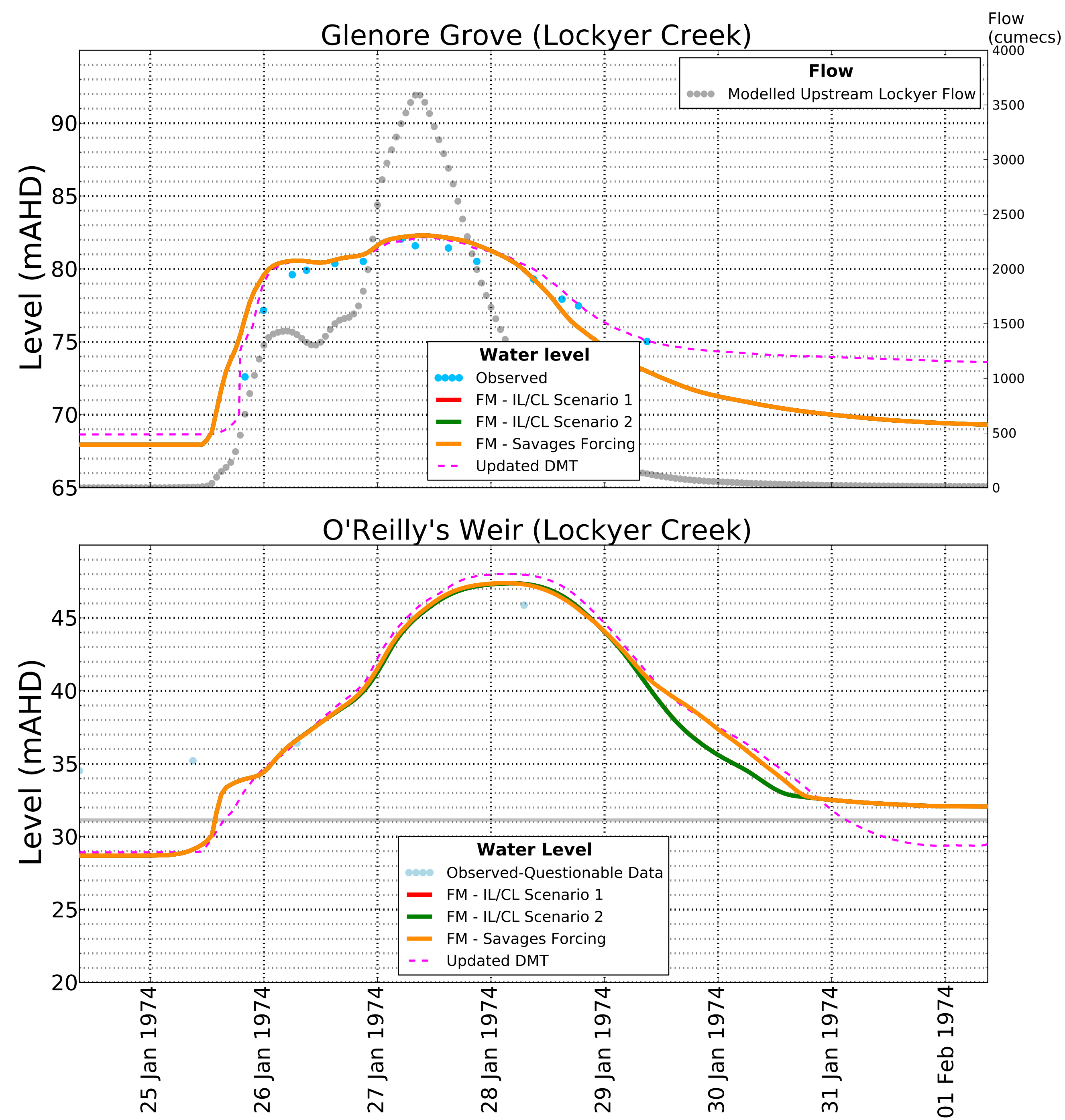
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285, Updated DMT version: 021_20m

Plot 30 FM & UDMT 2011 Brisbane River Longitudinal Profiles



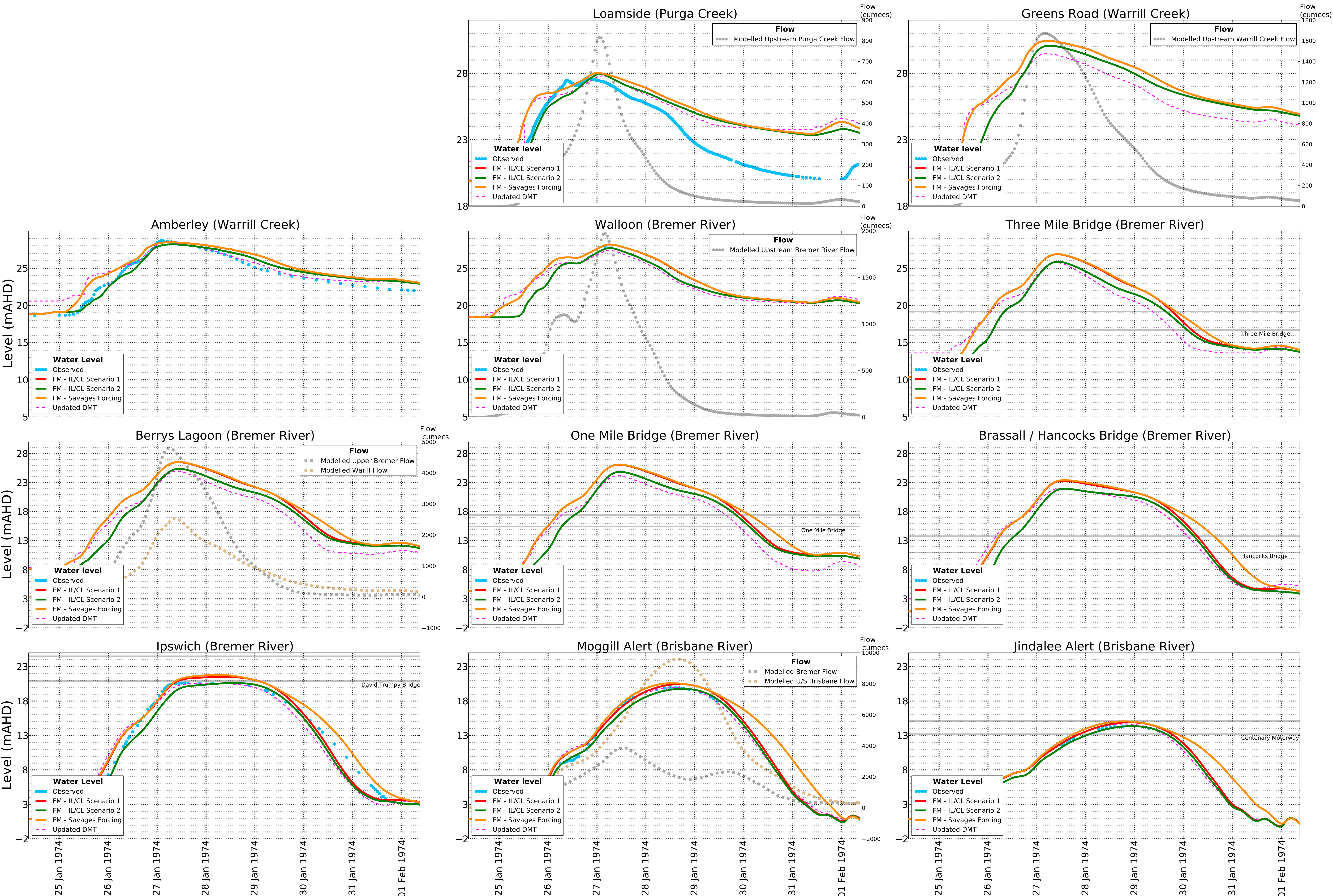
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285, Updated DMT version: 021_20m

Plot 31 FM & UDMT 2011 Lockyer / Bremer Longitudinal Profiles



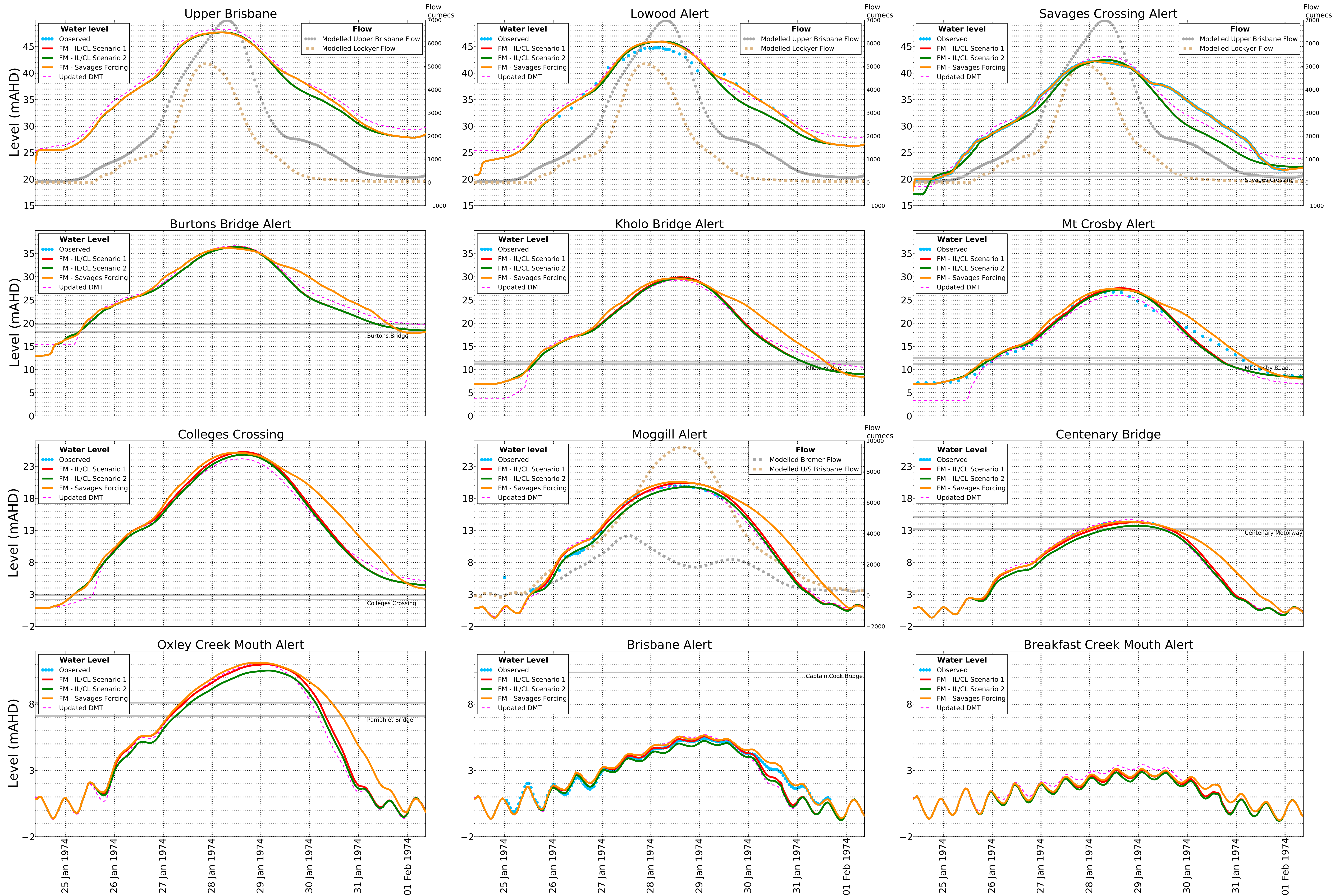
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285, Updated DMT version: 021_20m

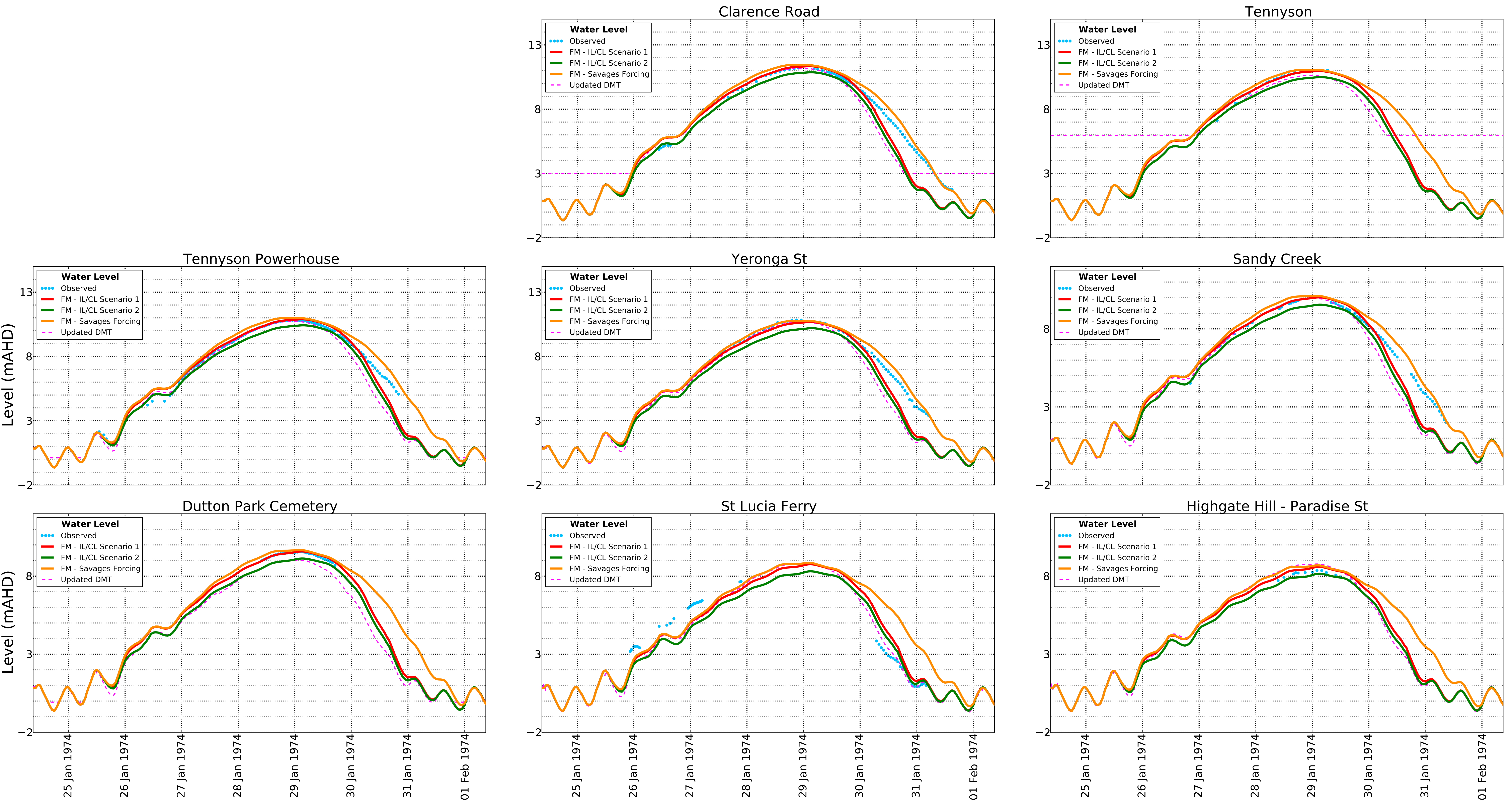
Plot 32 FM & UDMT 1974 Lockyer Creek Water Level Gauges



Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285, Updated DMT version: 021_20m

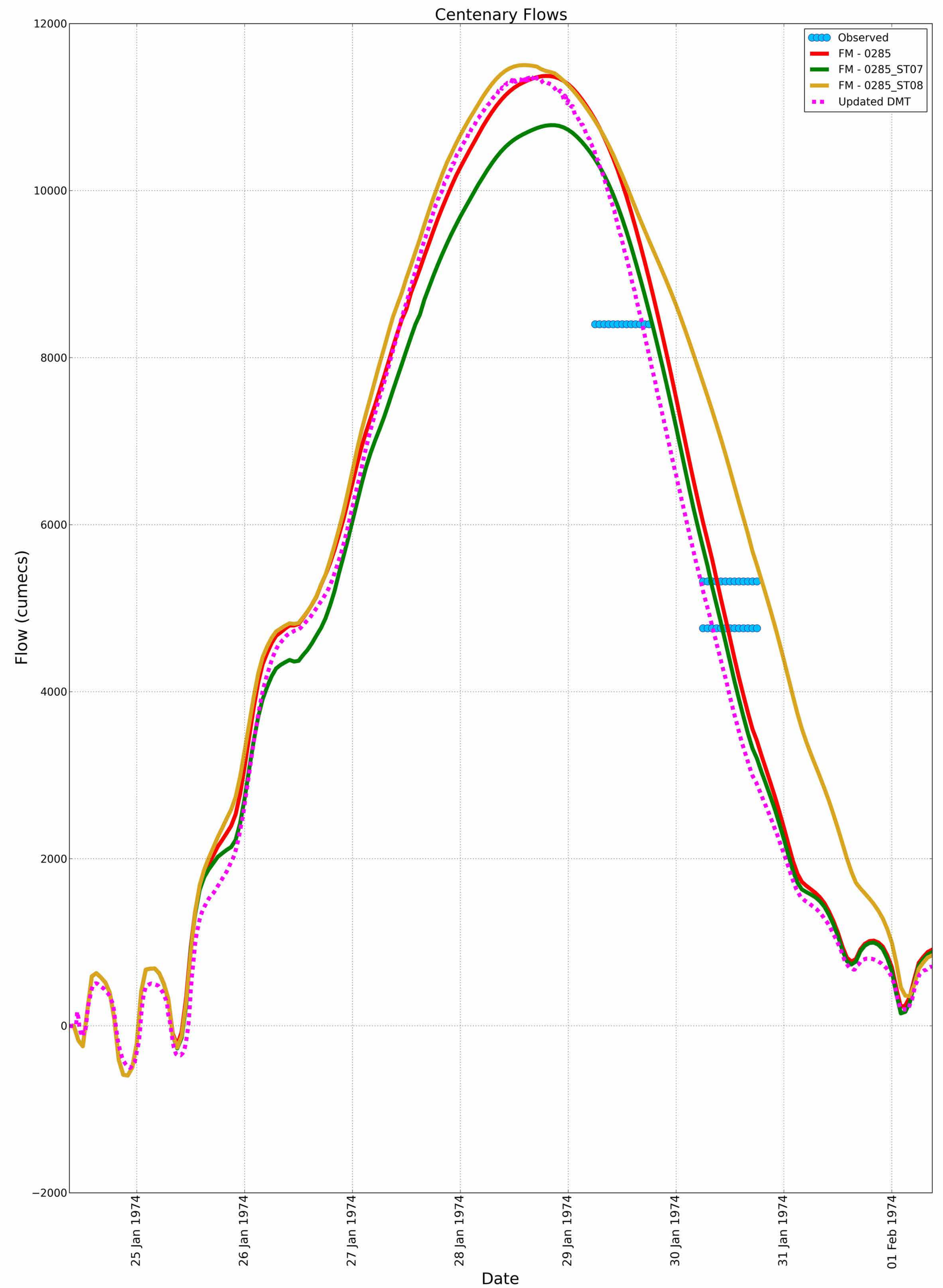
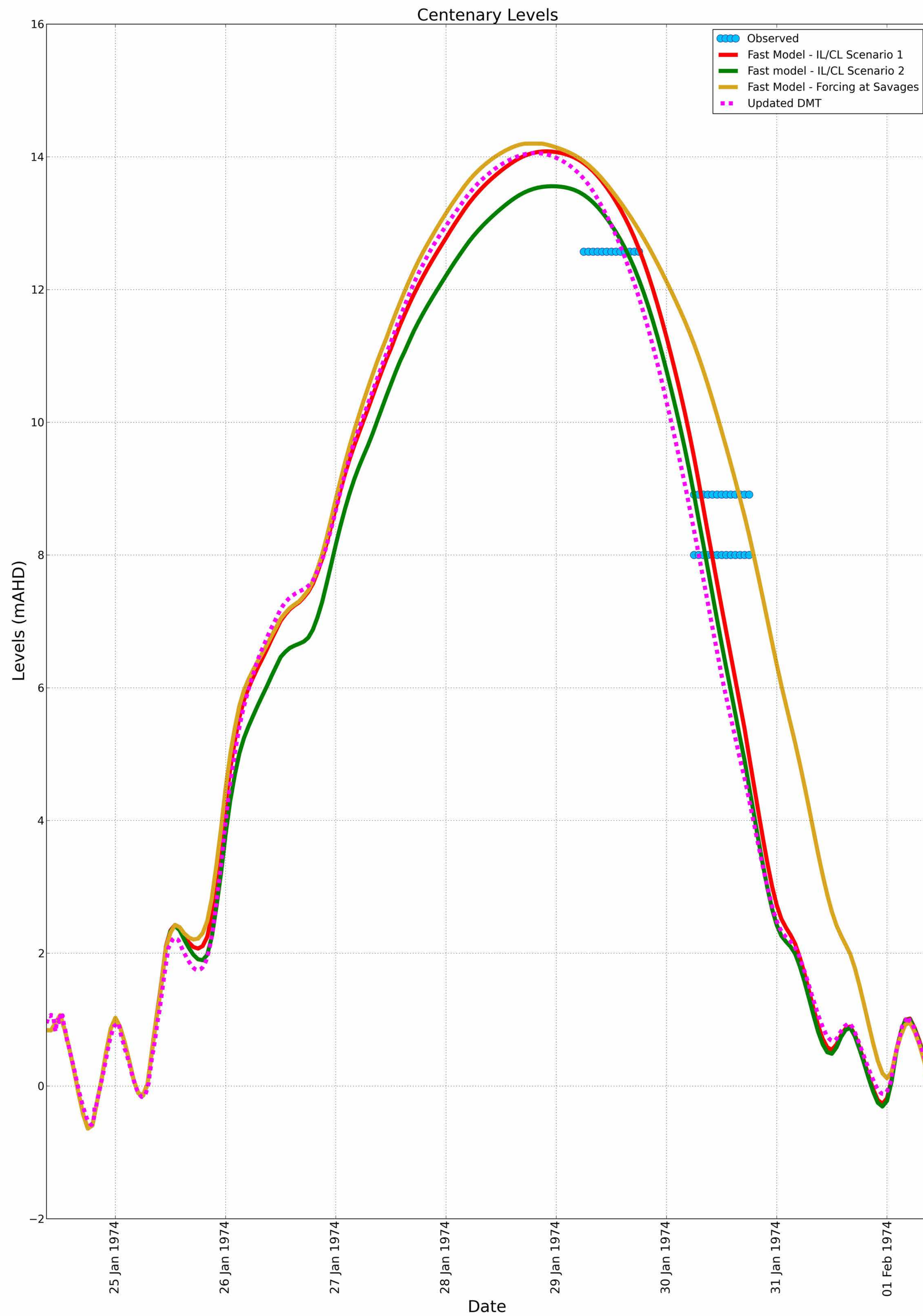
Plot 33 FM & UDMT 1974 Bremer River Water Level Gauges





Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Fast Model Version: 0285, Updated DMT version: 021_20m

Plot 35 FM & UDMT 1974 Brisbane River Water Level Additional Gauges

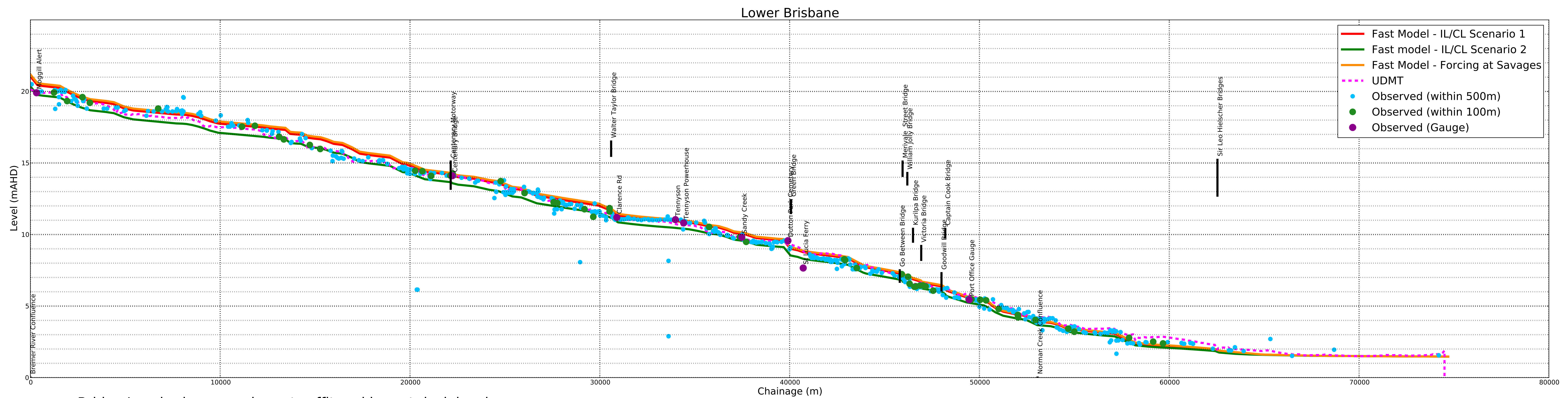
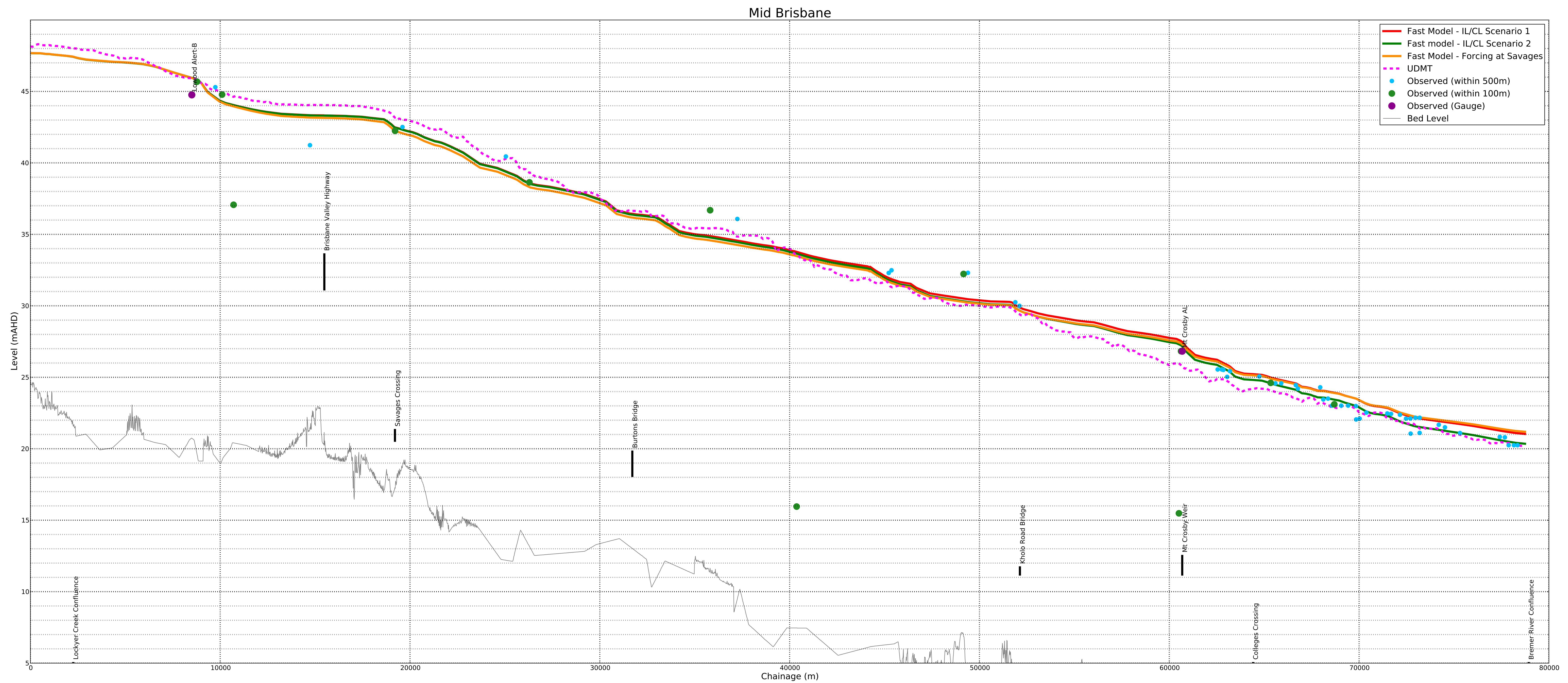


Date Labels are at 00:00 hours on that date

Fast Model Version: 0285, Updated DMT version: 021_20m

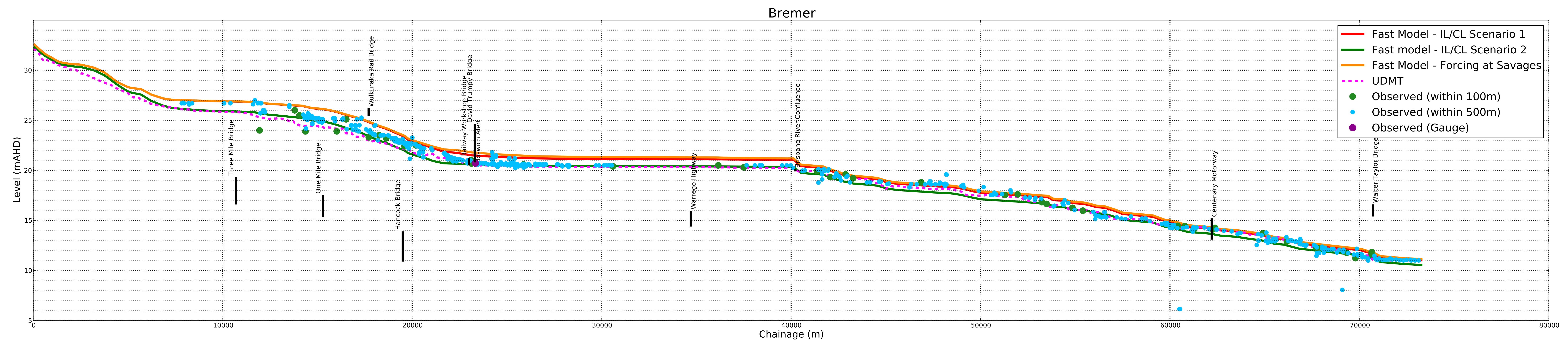
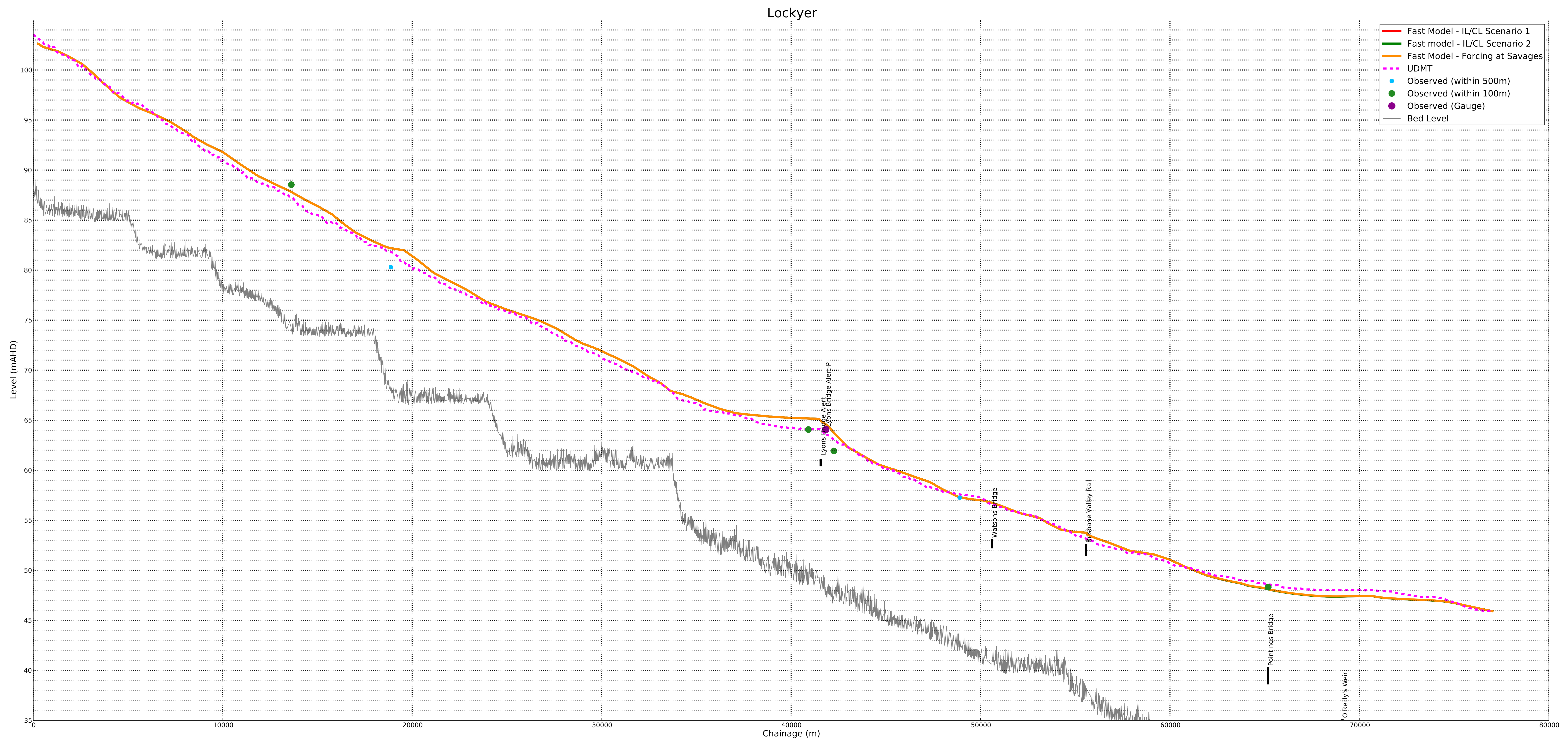
Note: Time of observed gaugings at Centenary is unknown. Assuming daylight hours, recordings are shown from 6am to 6pm

Plot 36 FM & UDMT 1974 Centenary Bridge Flow Recordings



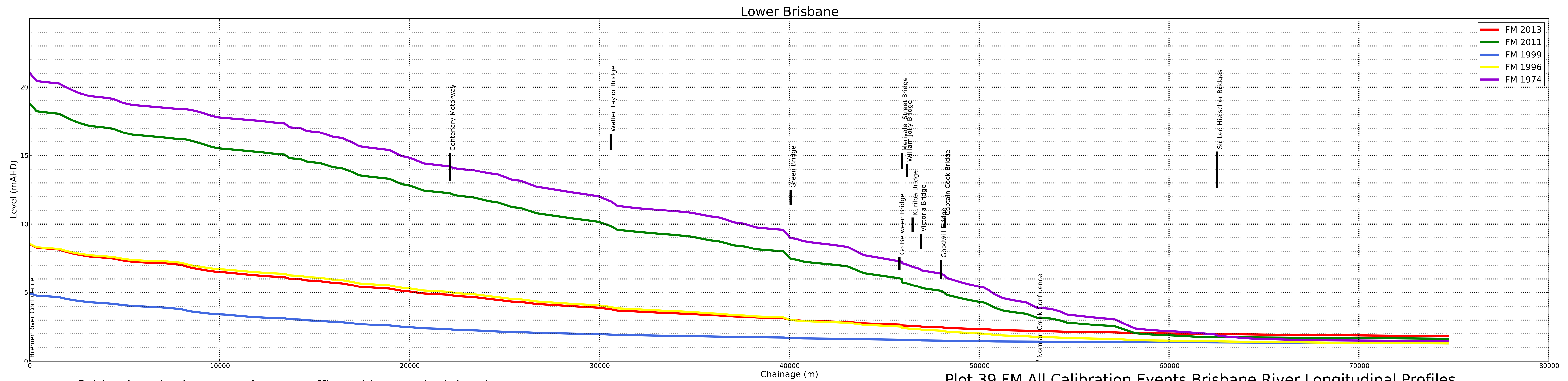
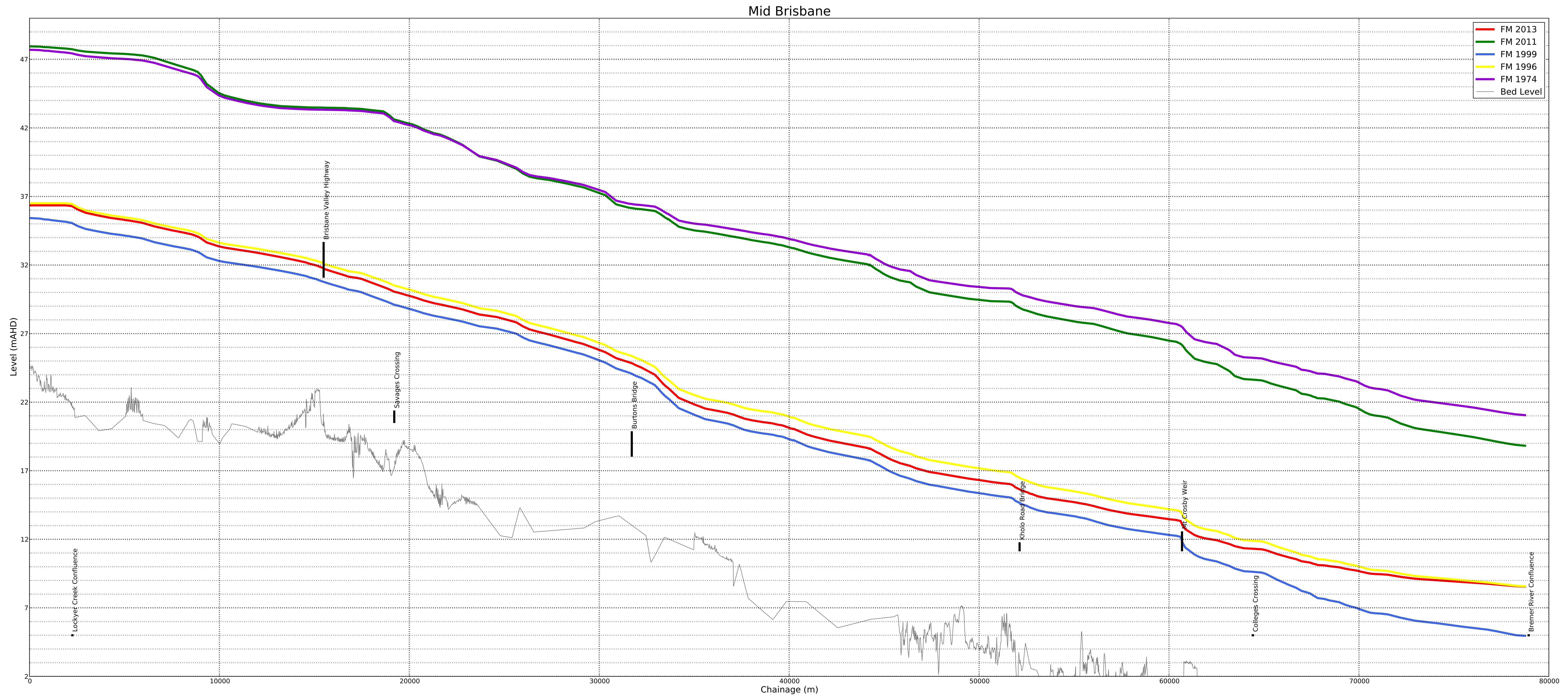
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0280, Updated DMT version: 021_20m

Plot 37 FM & UDMT 1974 Brisbane River Longitudinal Profiles



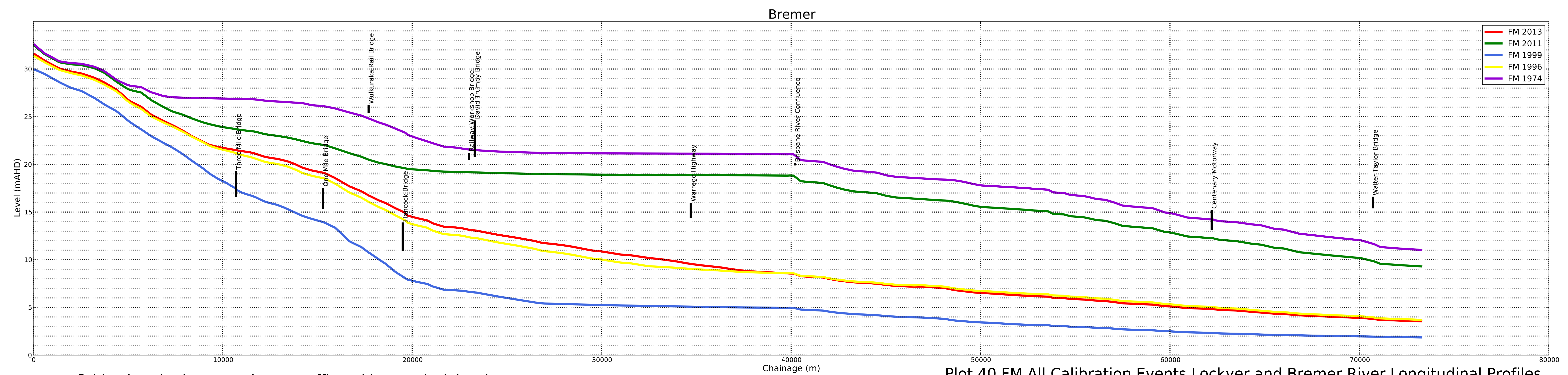
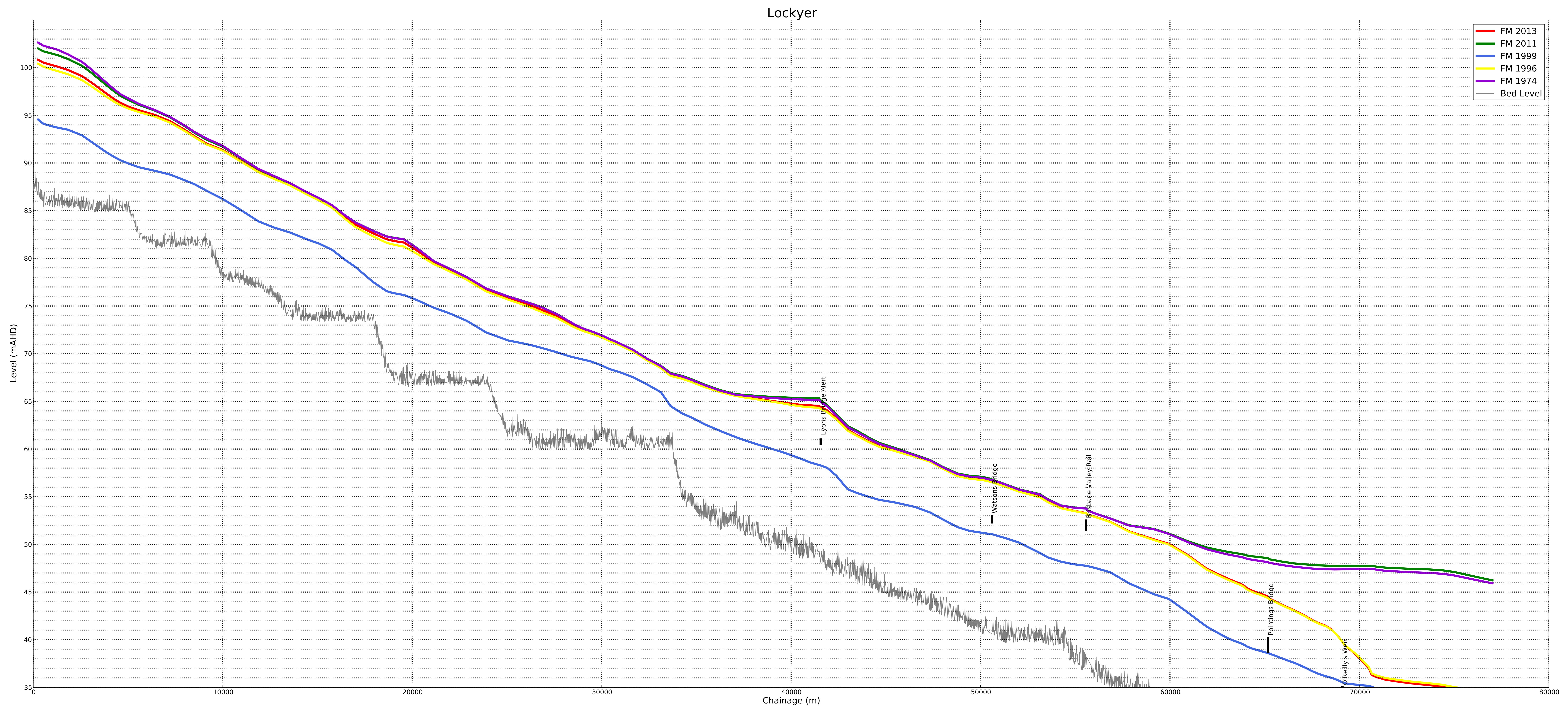
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0280, Updated DMT version: 021_20m

Plot 38 FM & UDMT 1974 Lockyer / Bremer Longitudinal Profiles



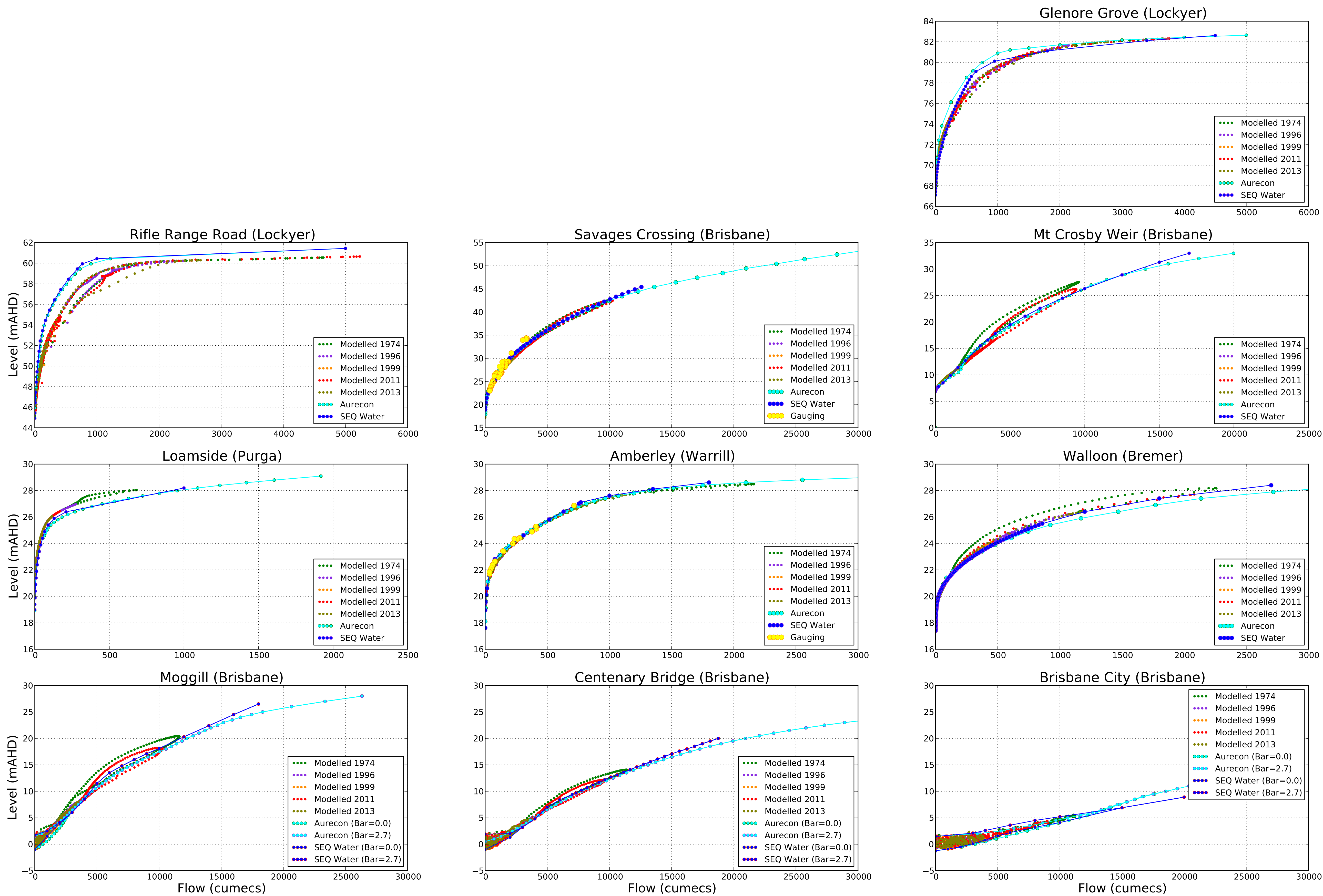
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 39 FM All Calibration Events Brisbane River Longitudinal Profiles

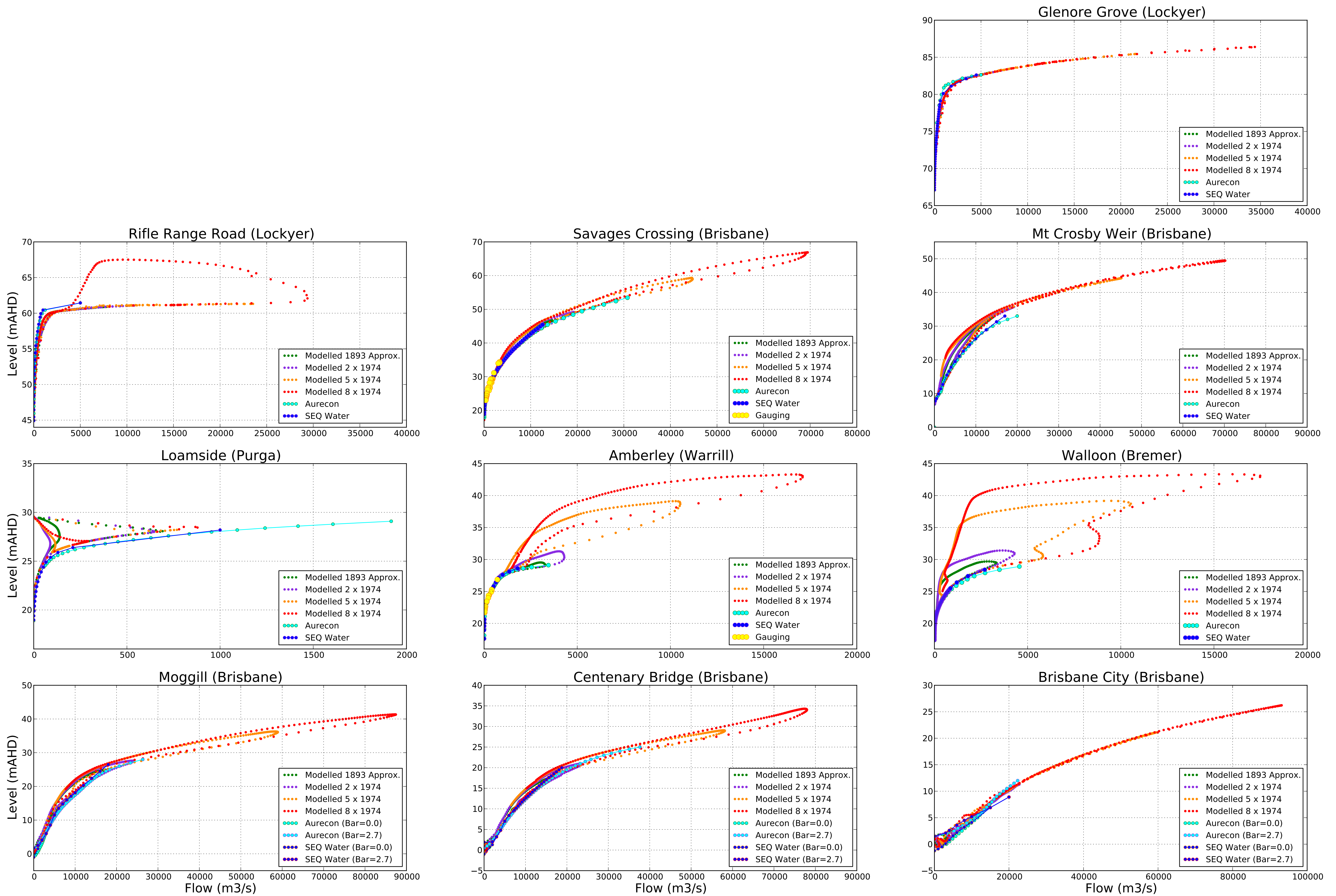


Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

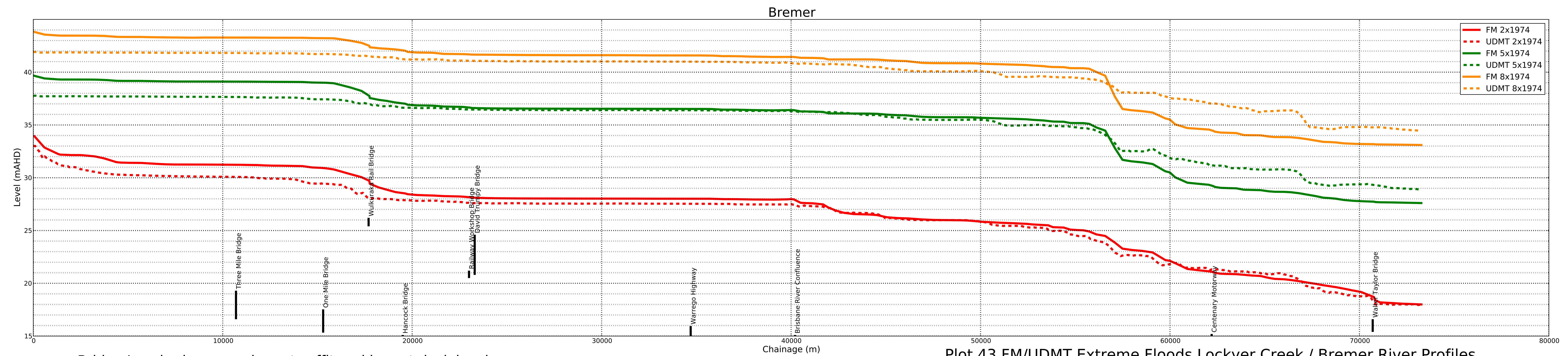
Plot 40 FM All Calibration Events Lockyer and Bremer River Longitudinal Profiles

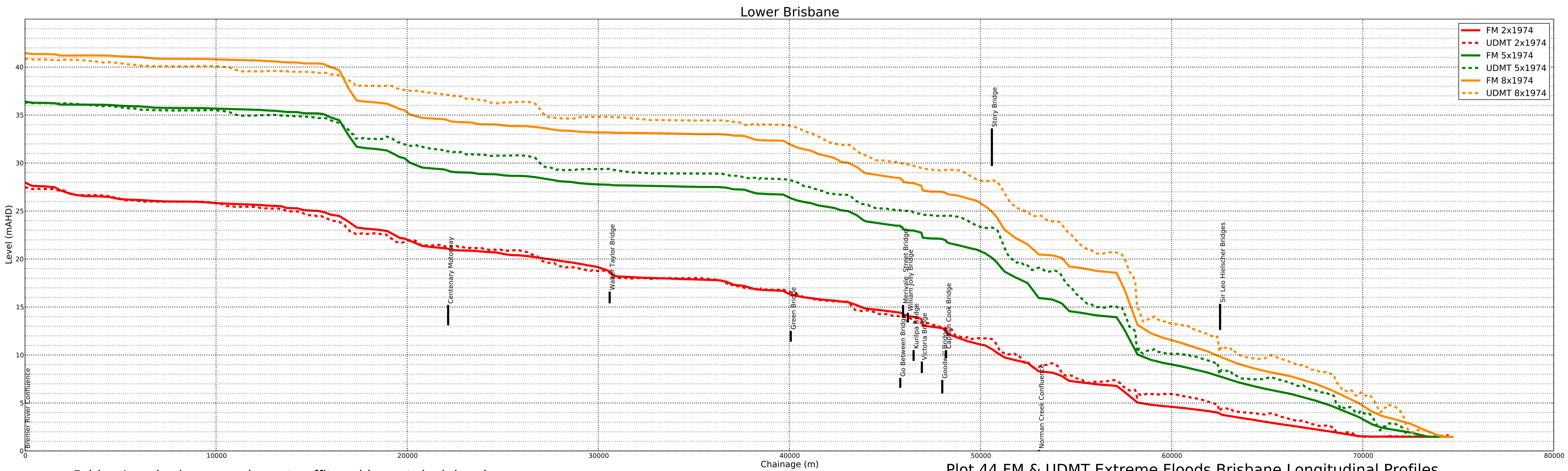
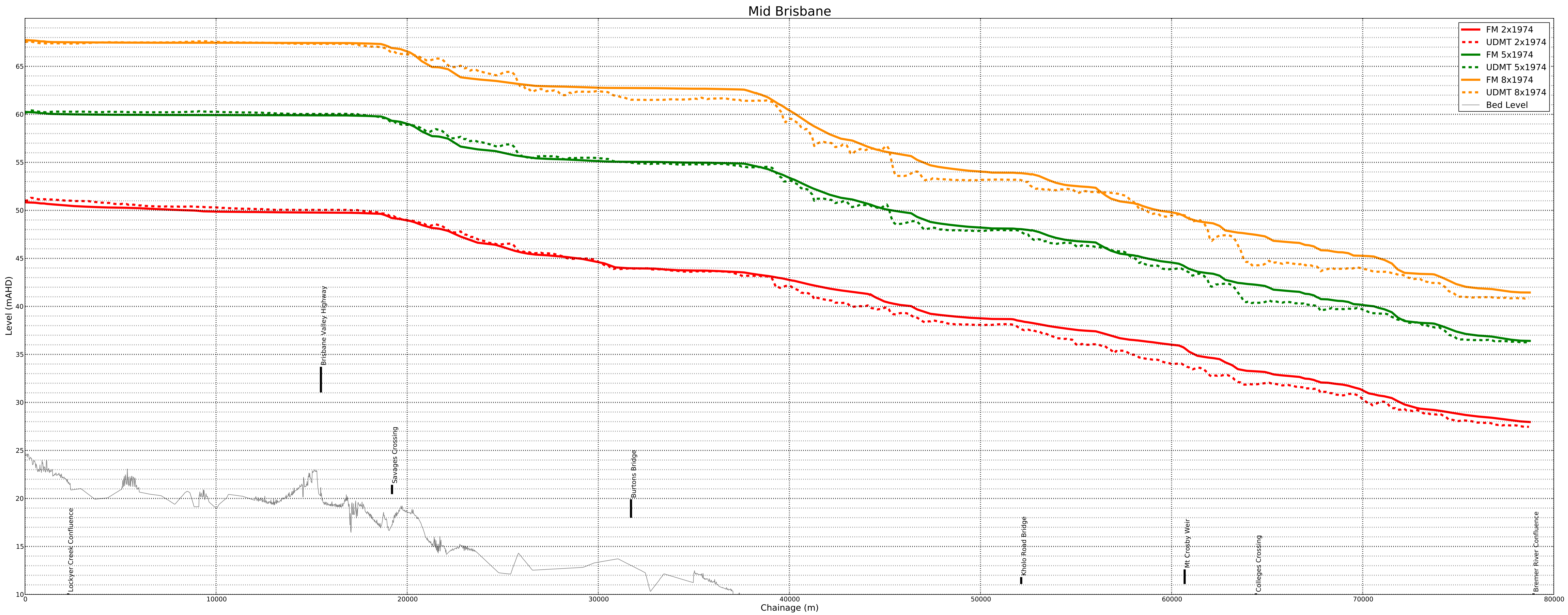


Plot 41 Historical Calibration Events Rating Curve Comparison



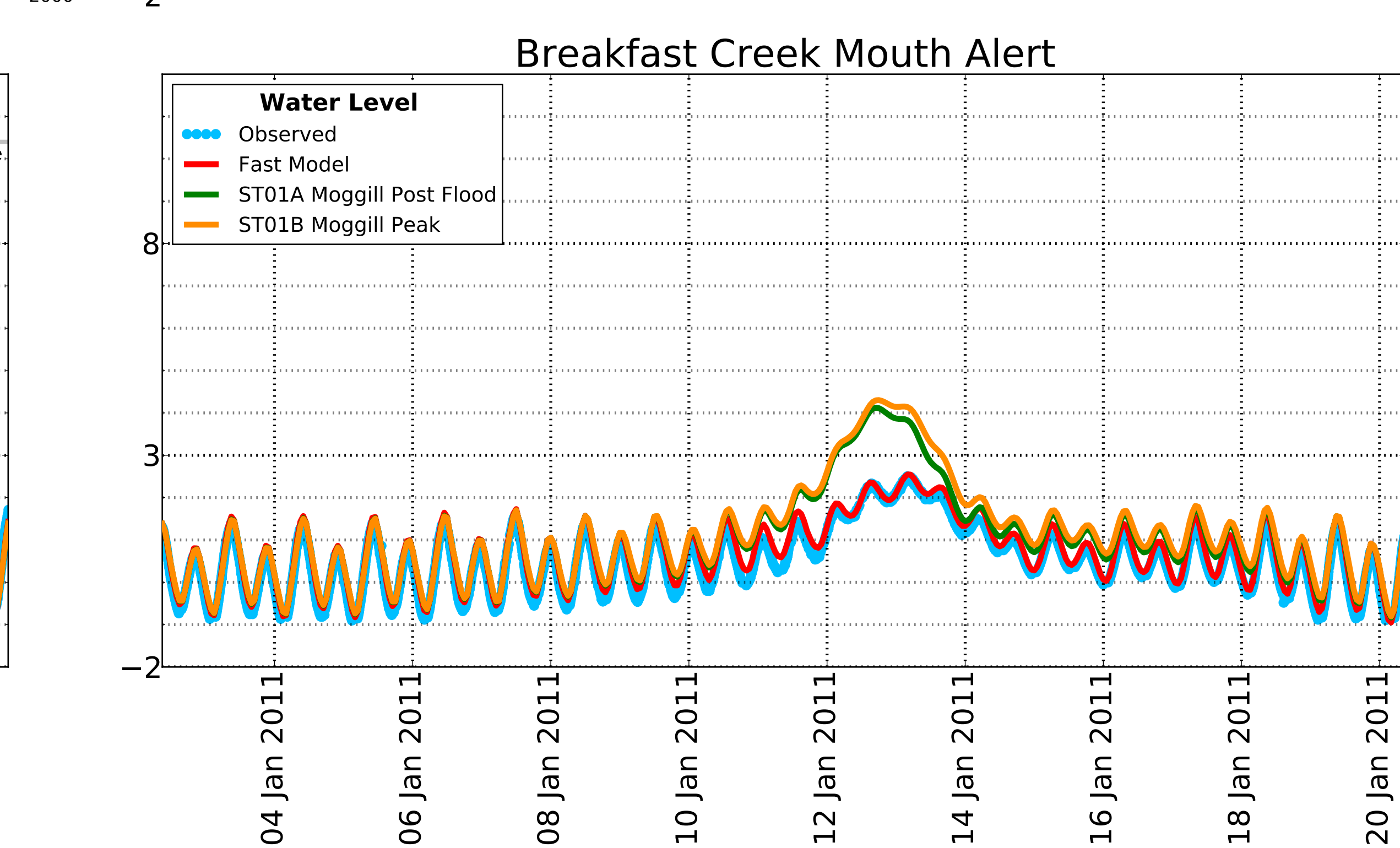
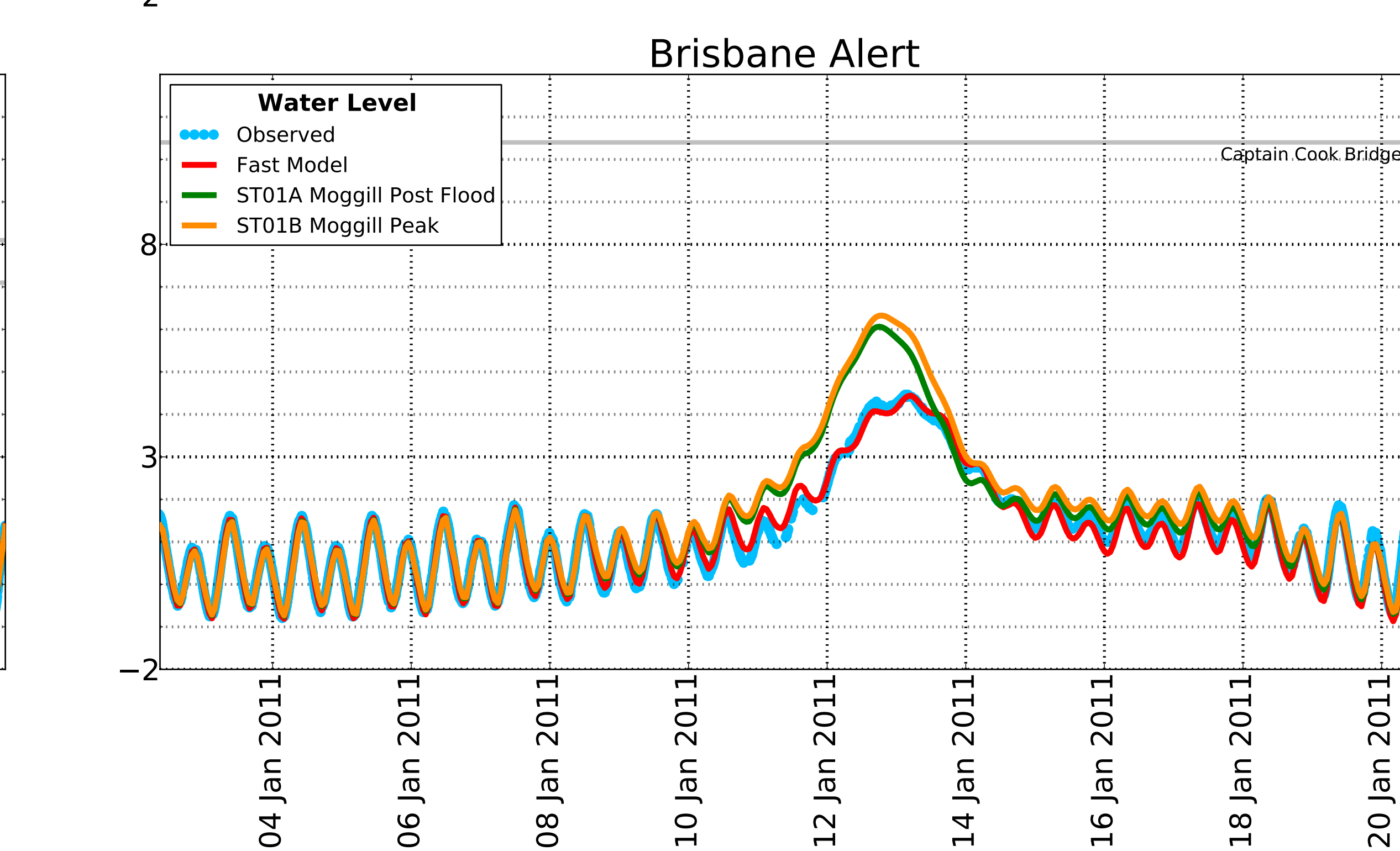
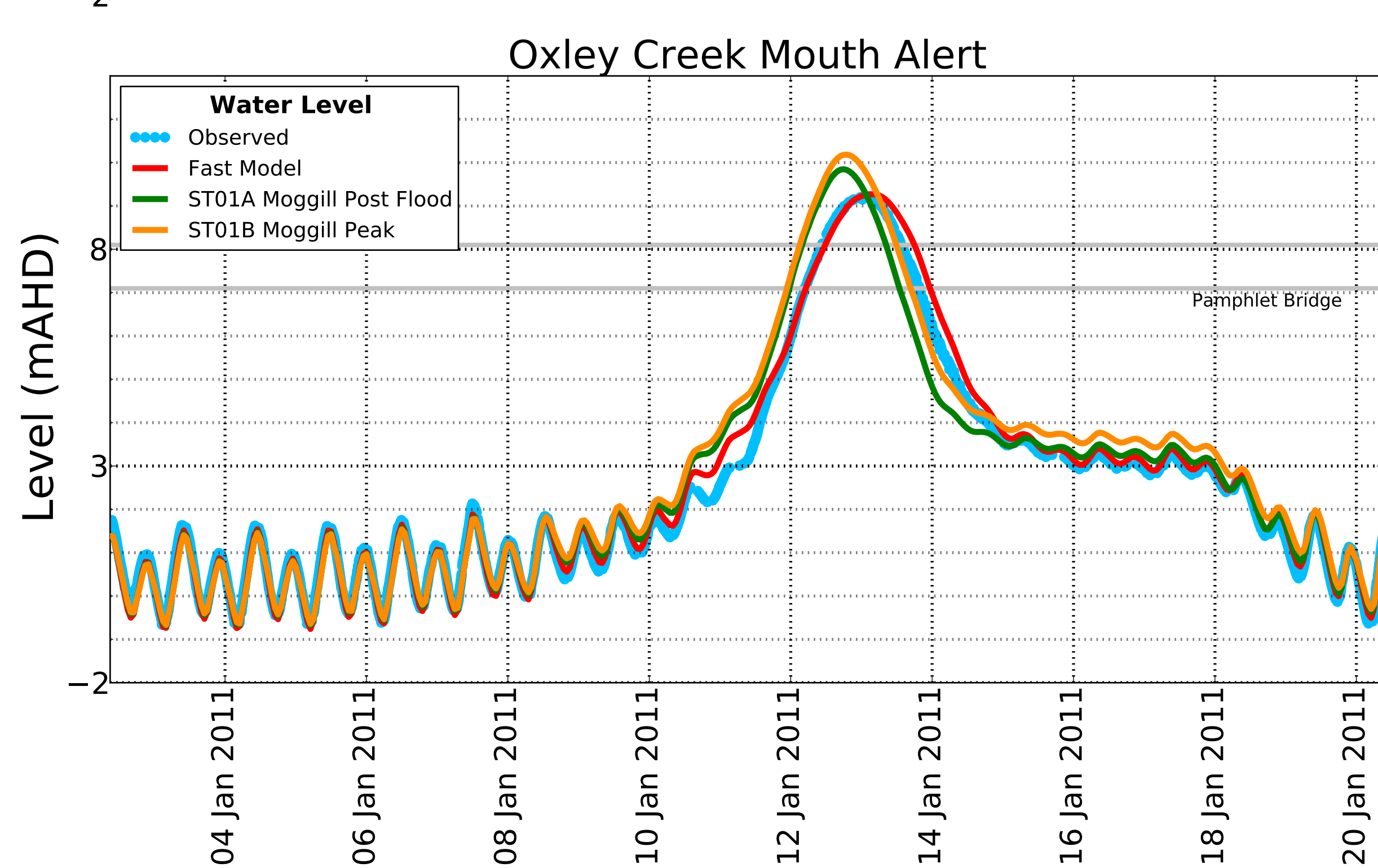
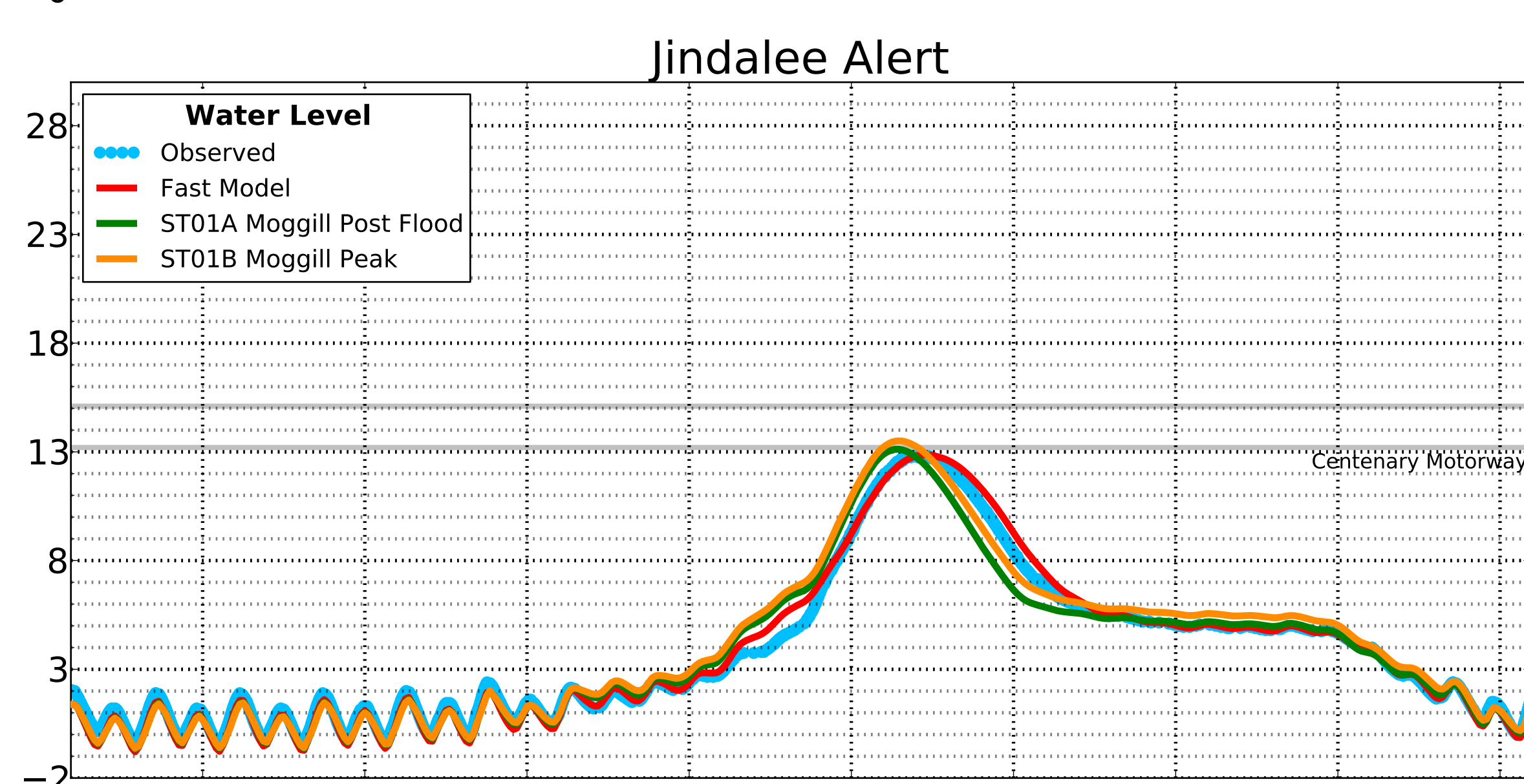
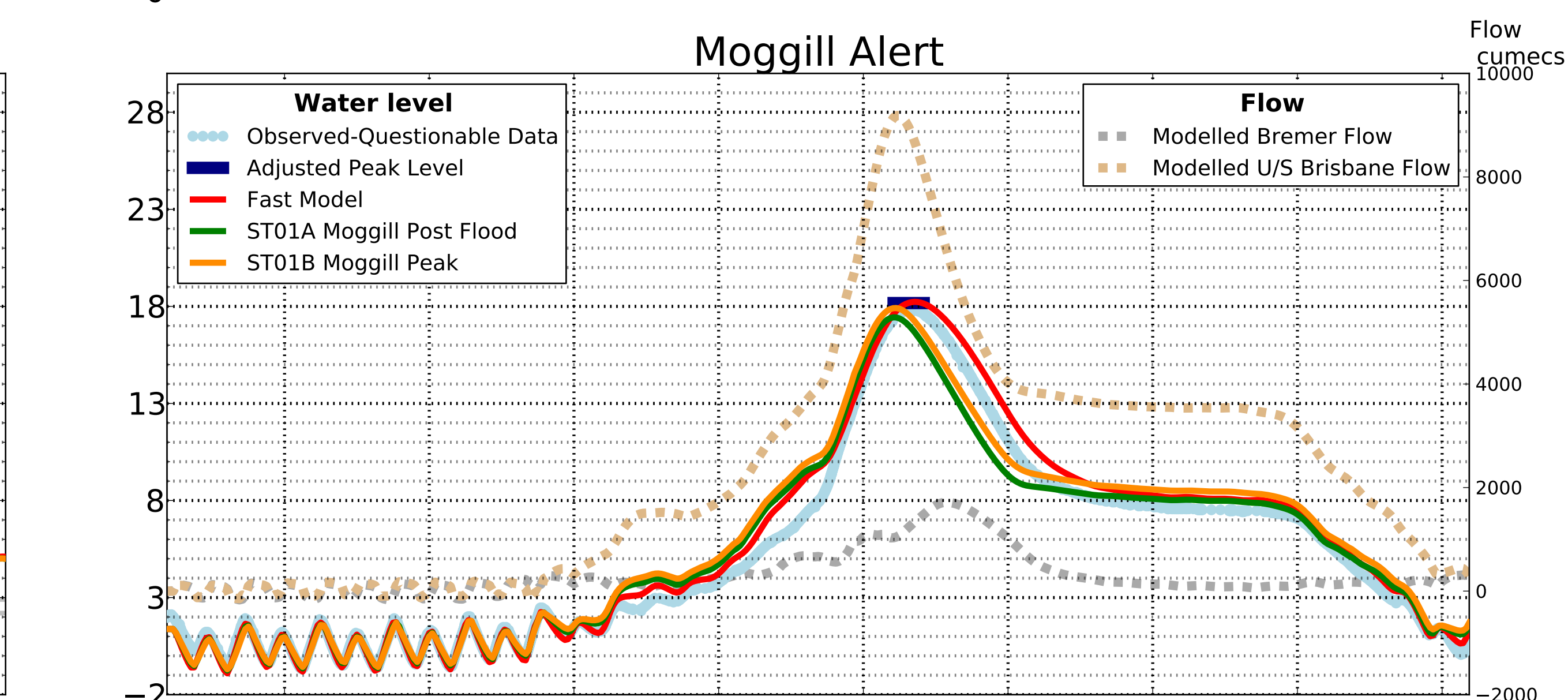
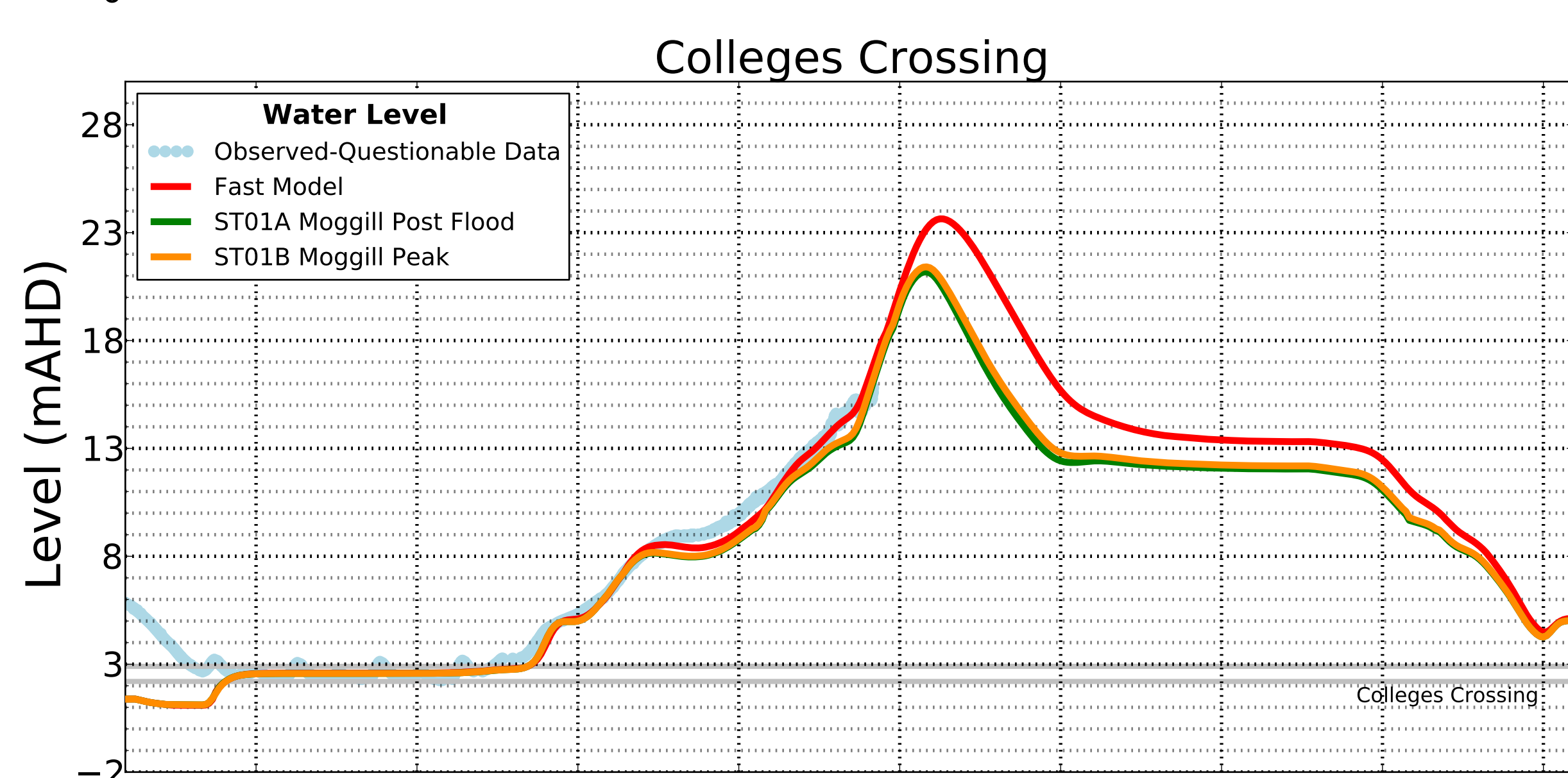
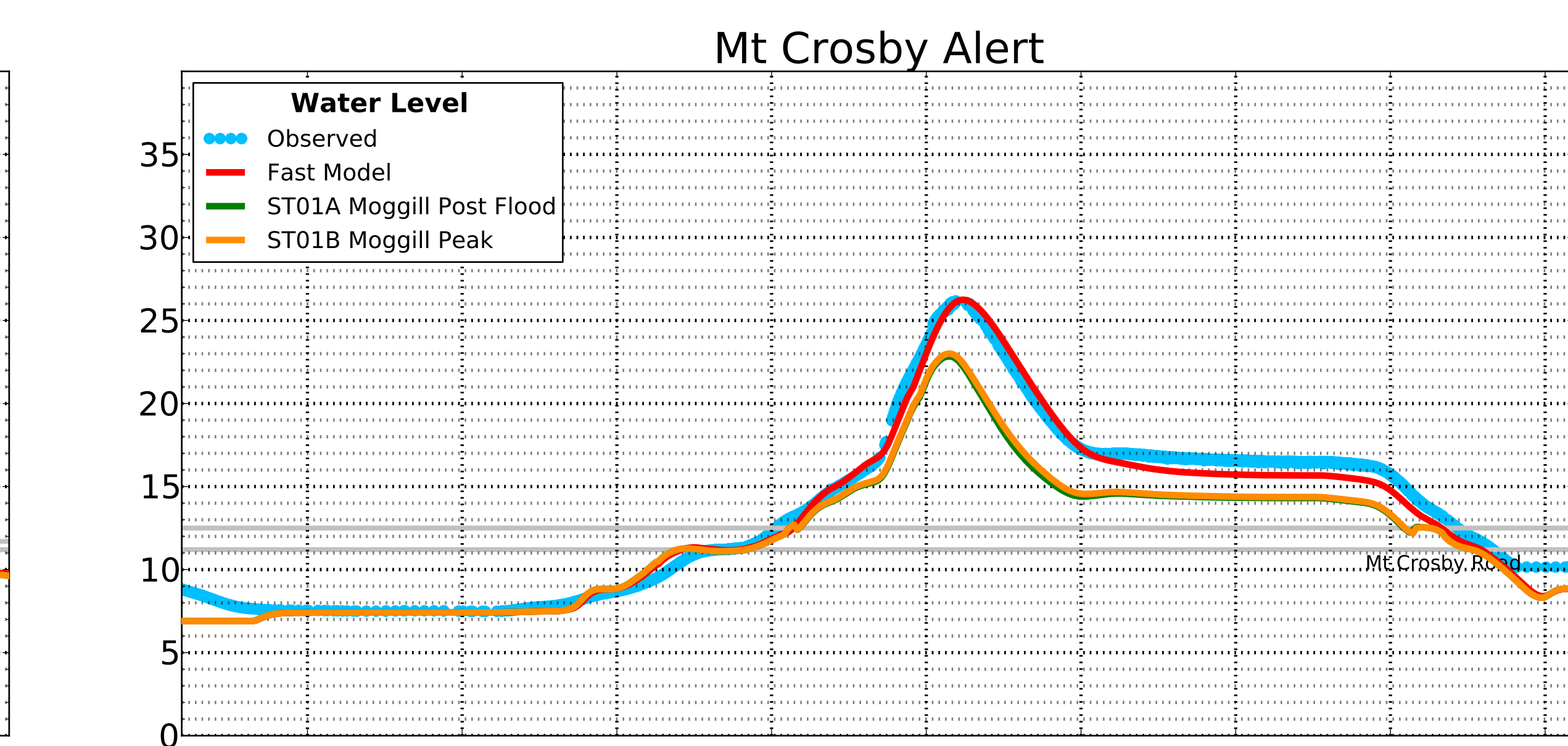
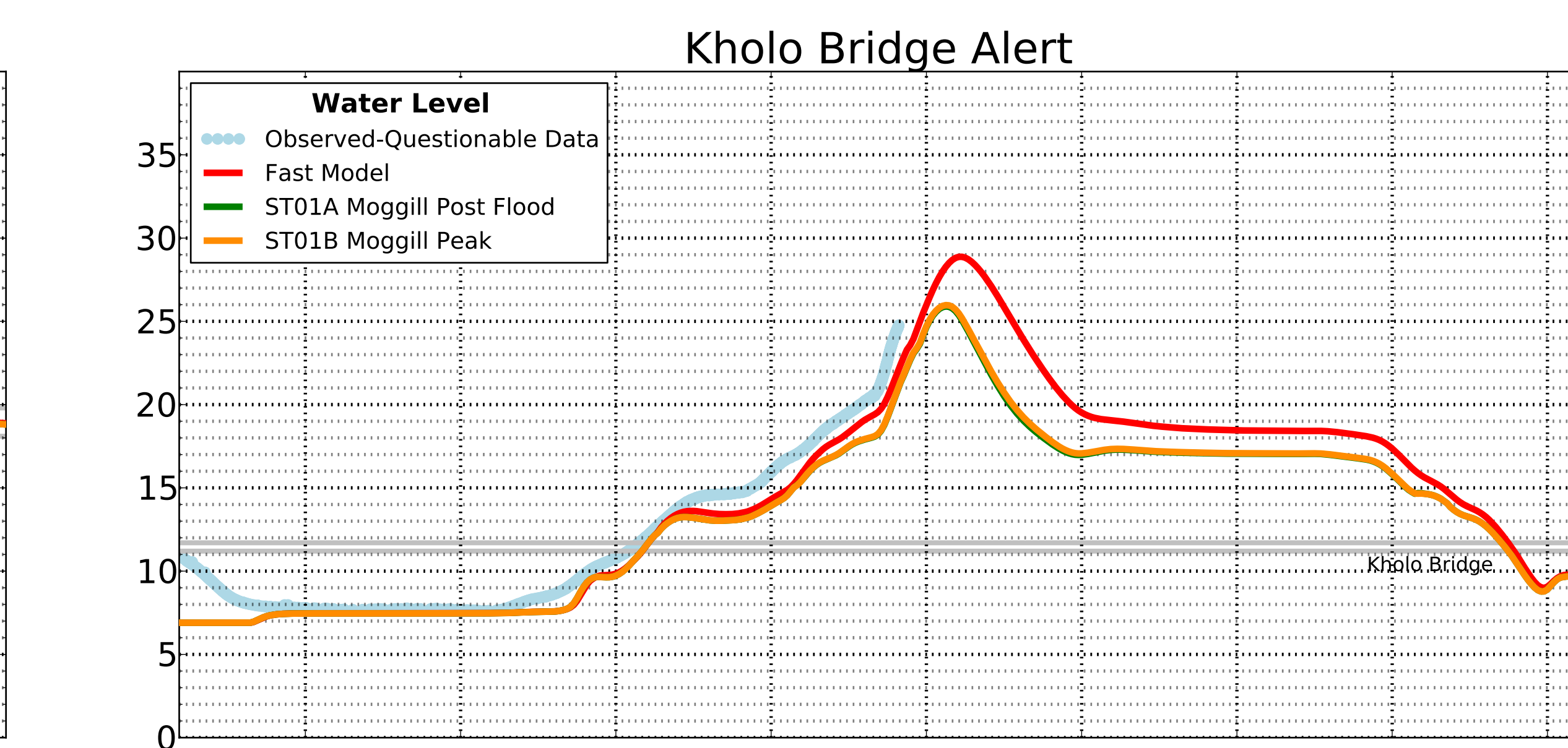
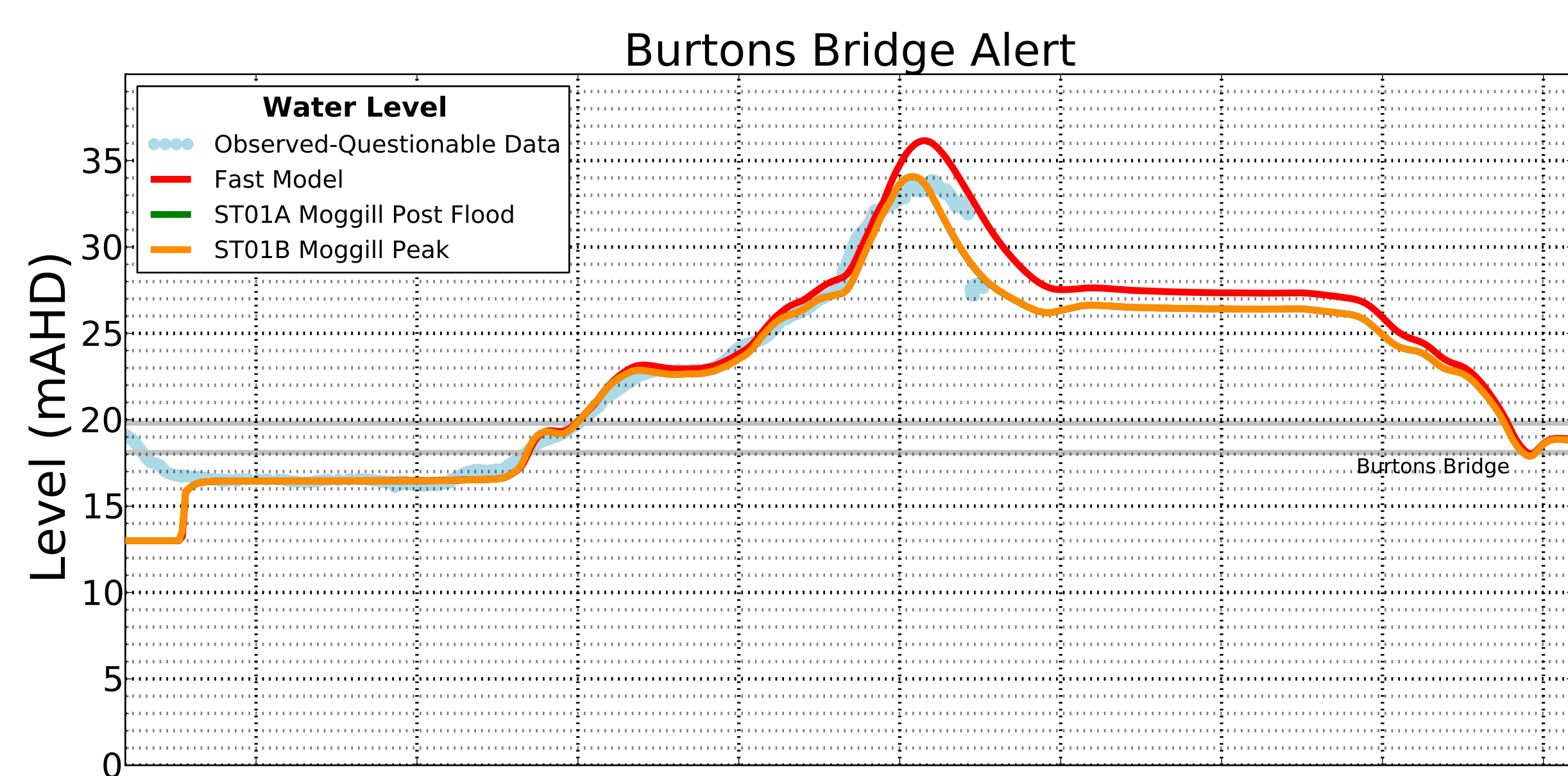
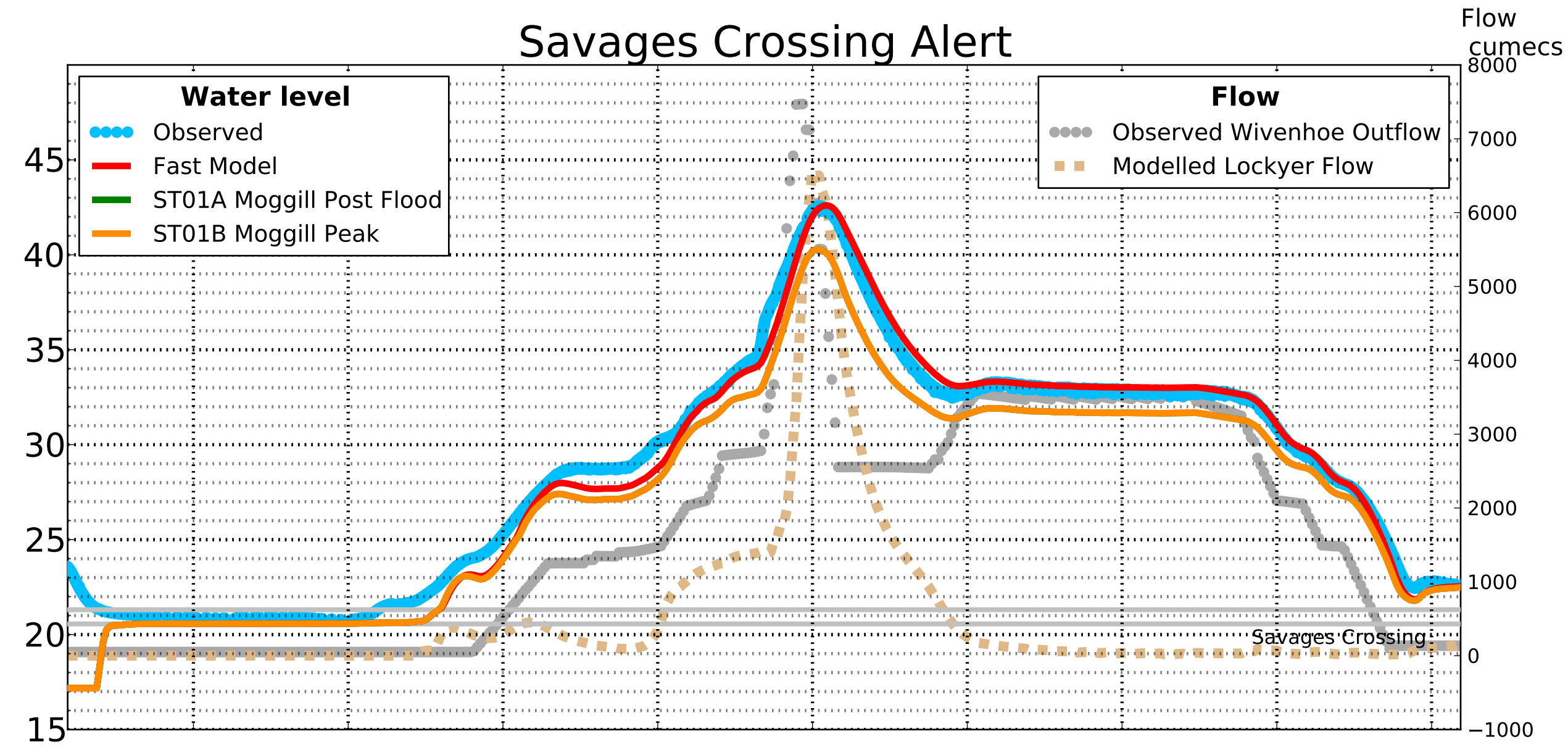
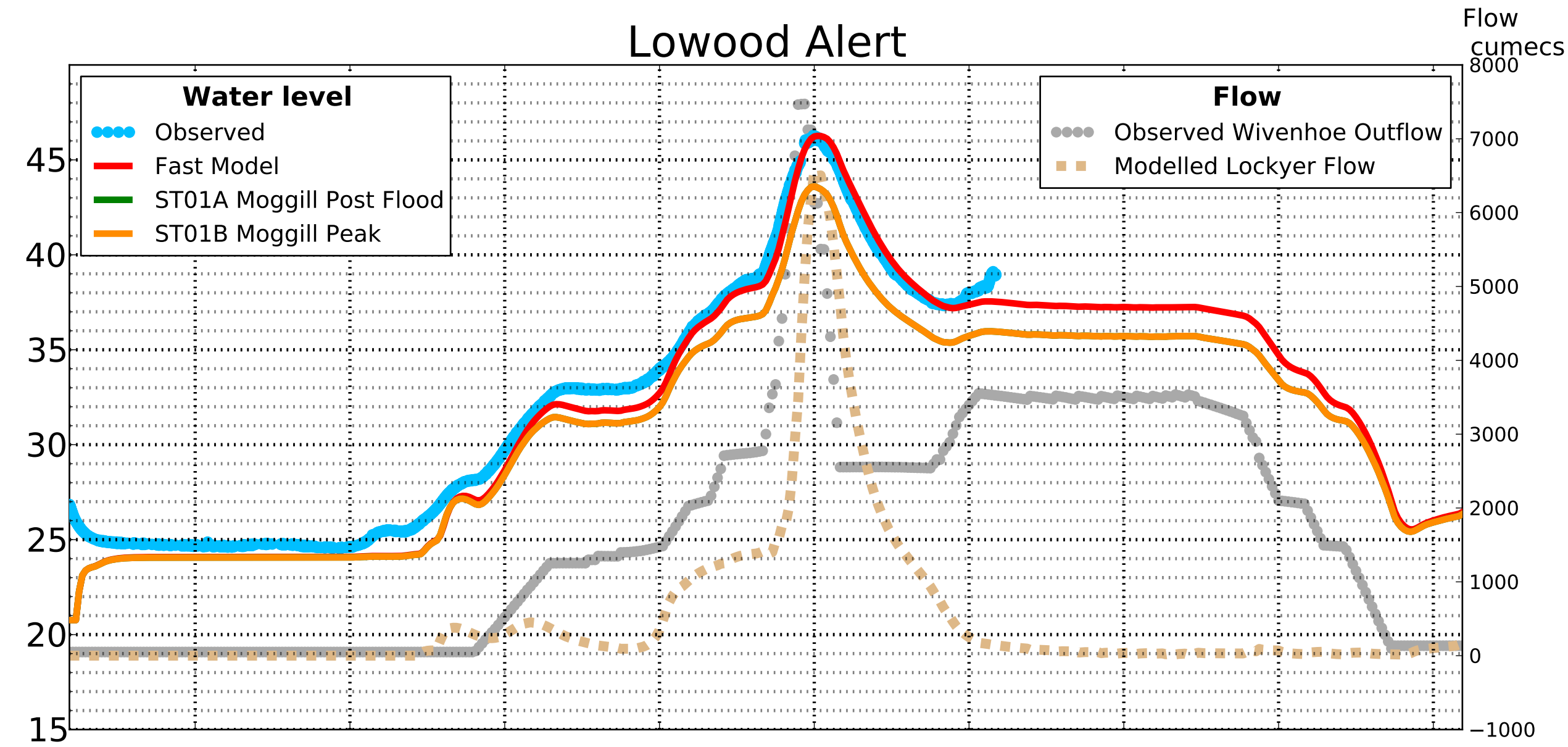
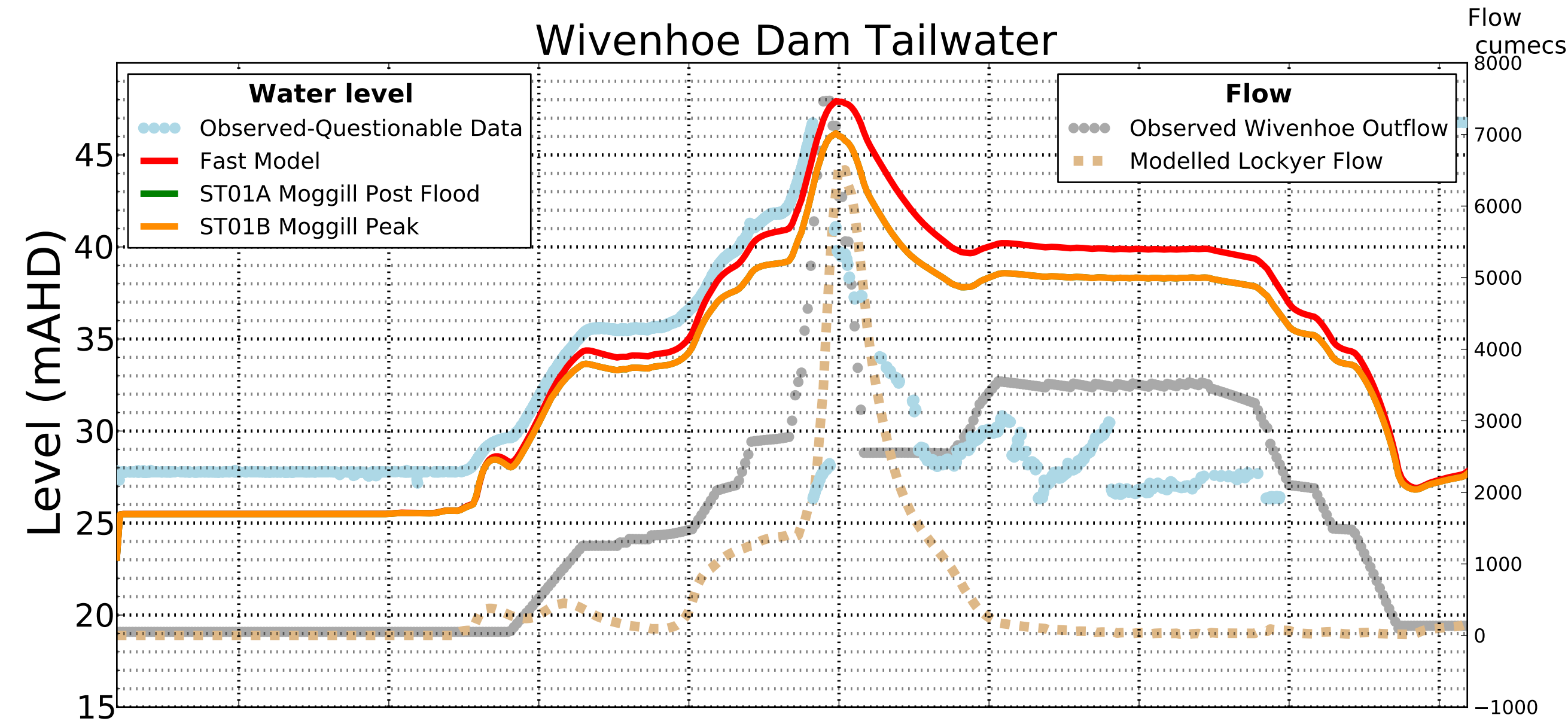
Plot 42 Extreme Flood Events Rating Curve Comparison

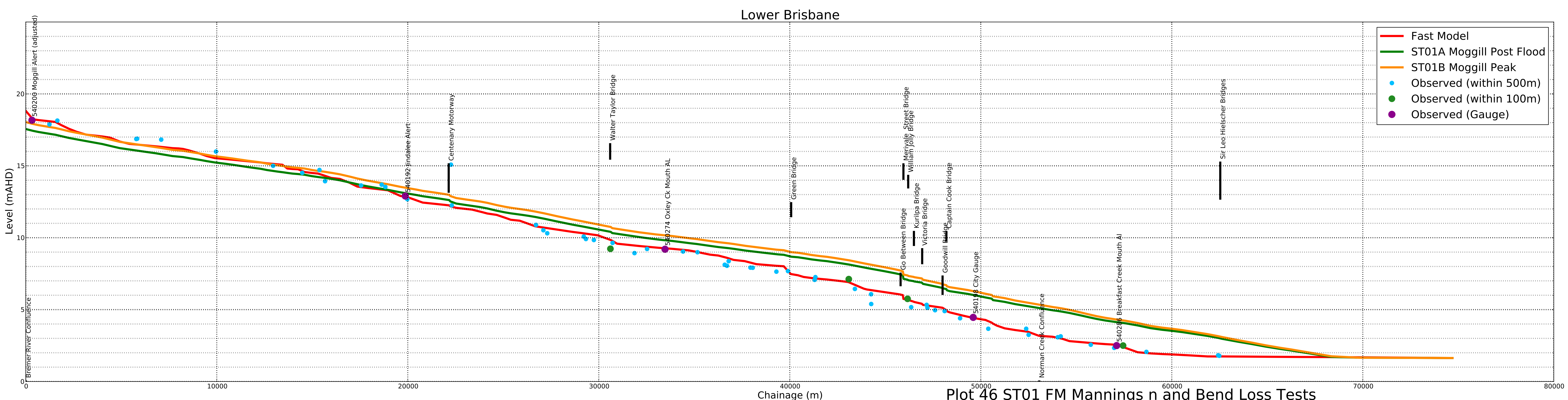
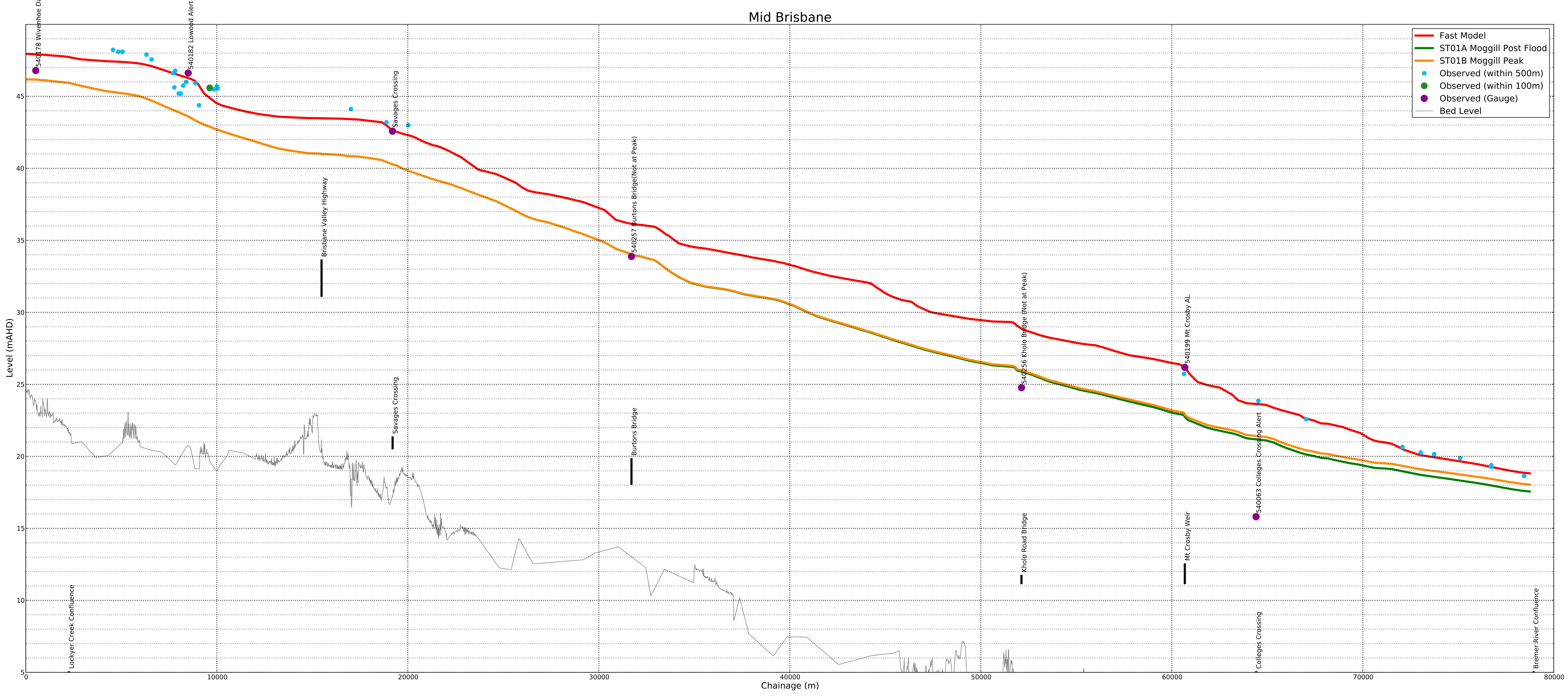




Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

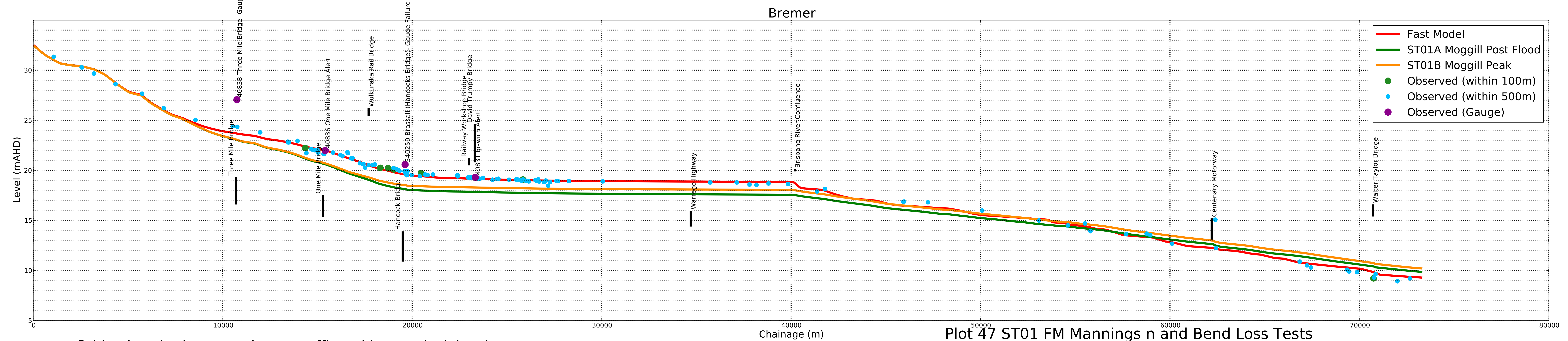
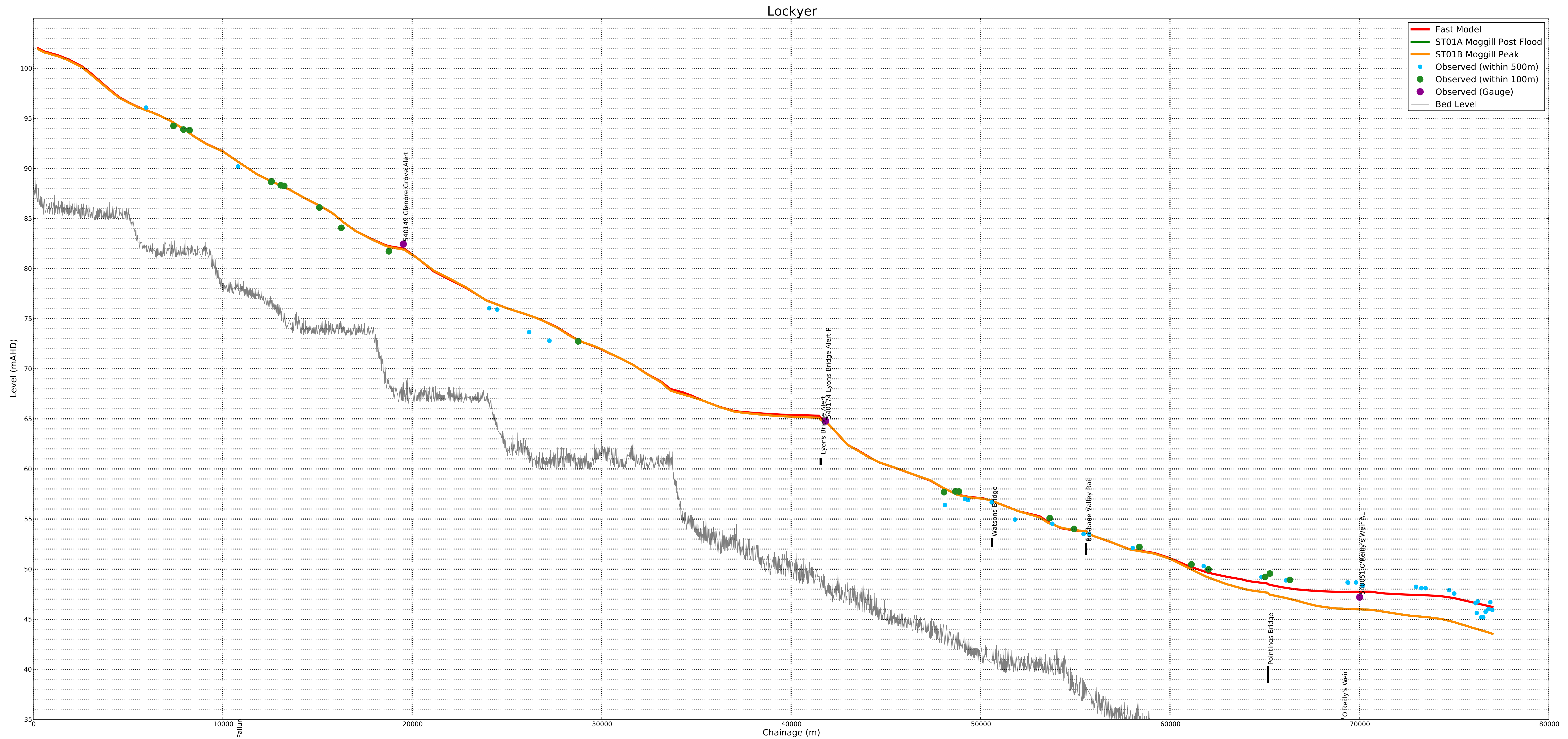
Plot 44 FM & UDMT Extreme Floods Brisbane Longitudinal Profiles





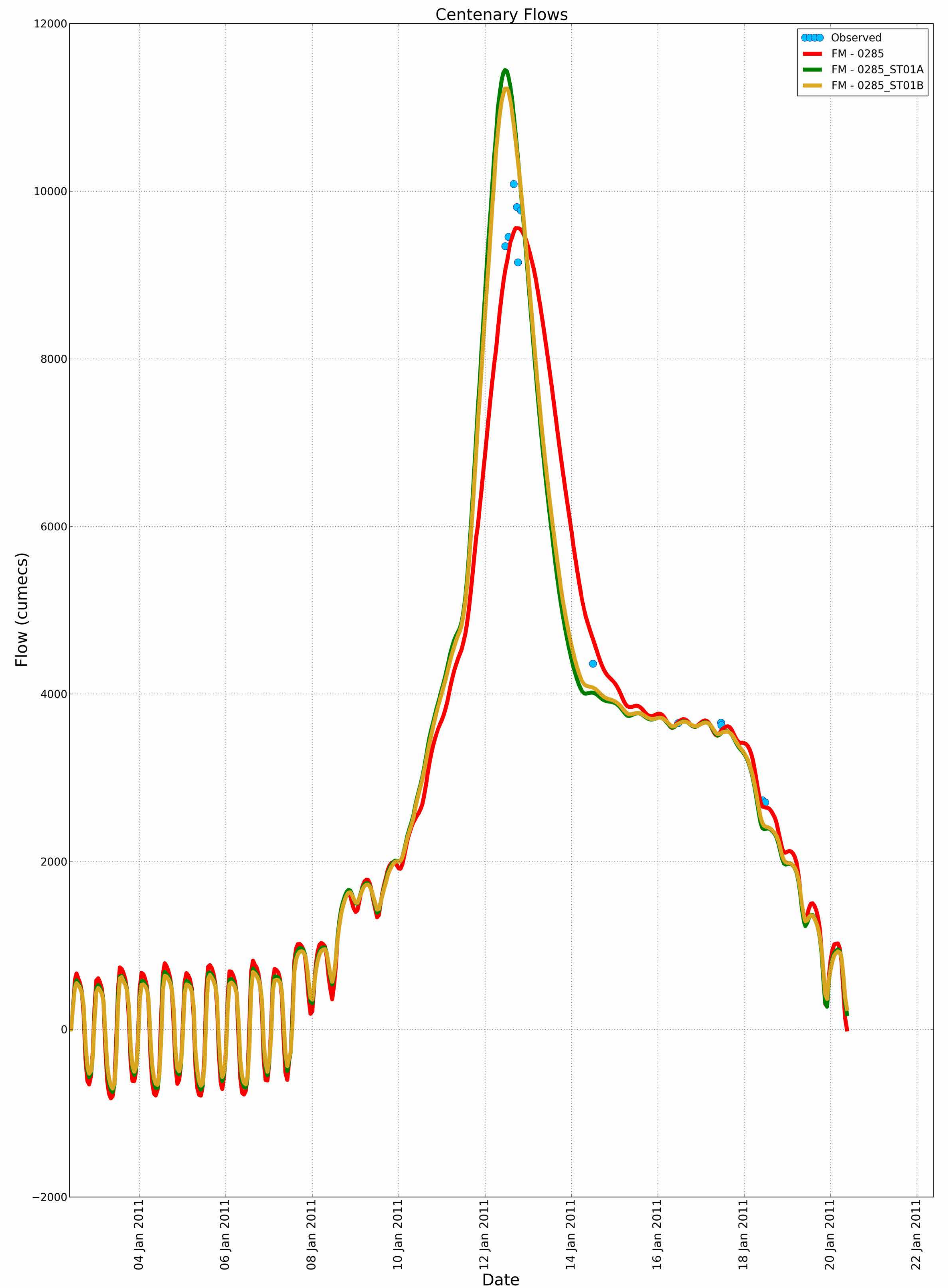
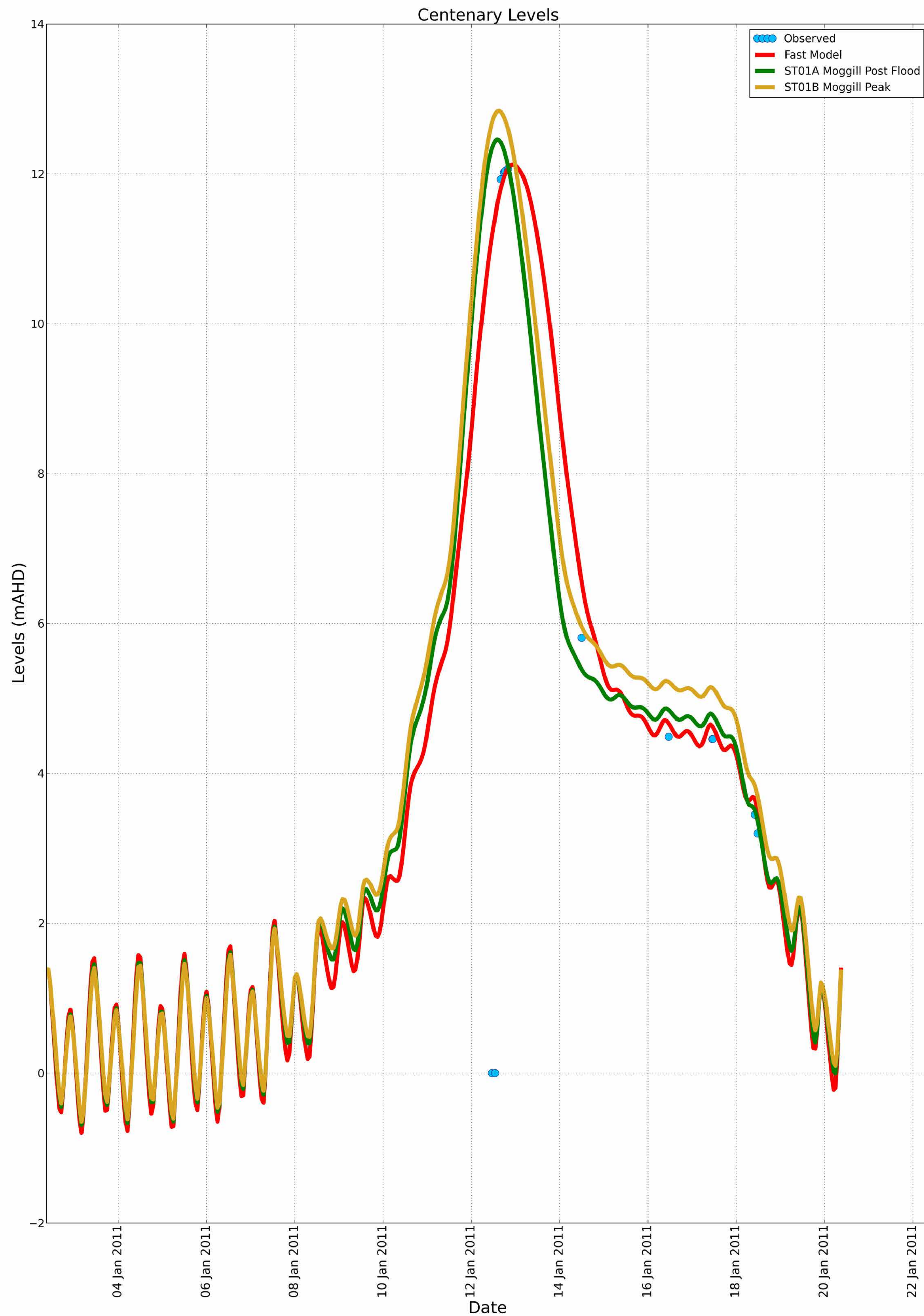
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 46 ST01 FM Mannings n and Bend Loss Tests
2011 Brisbane River Longitudinal Profiles



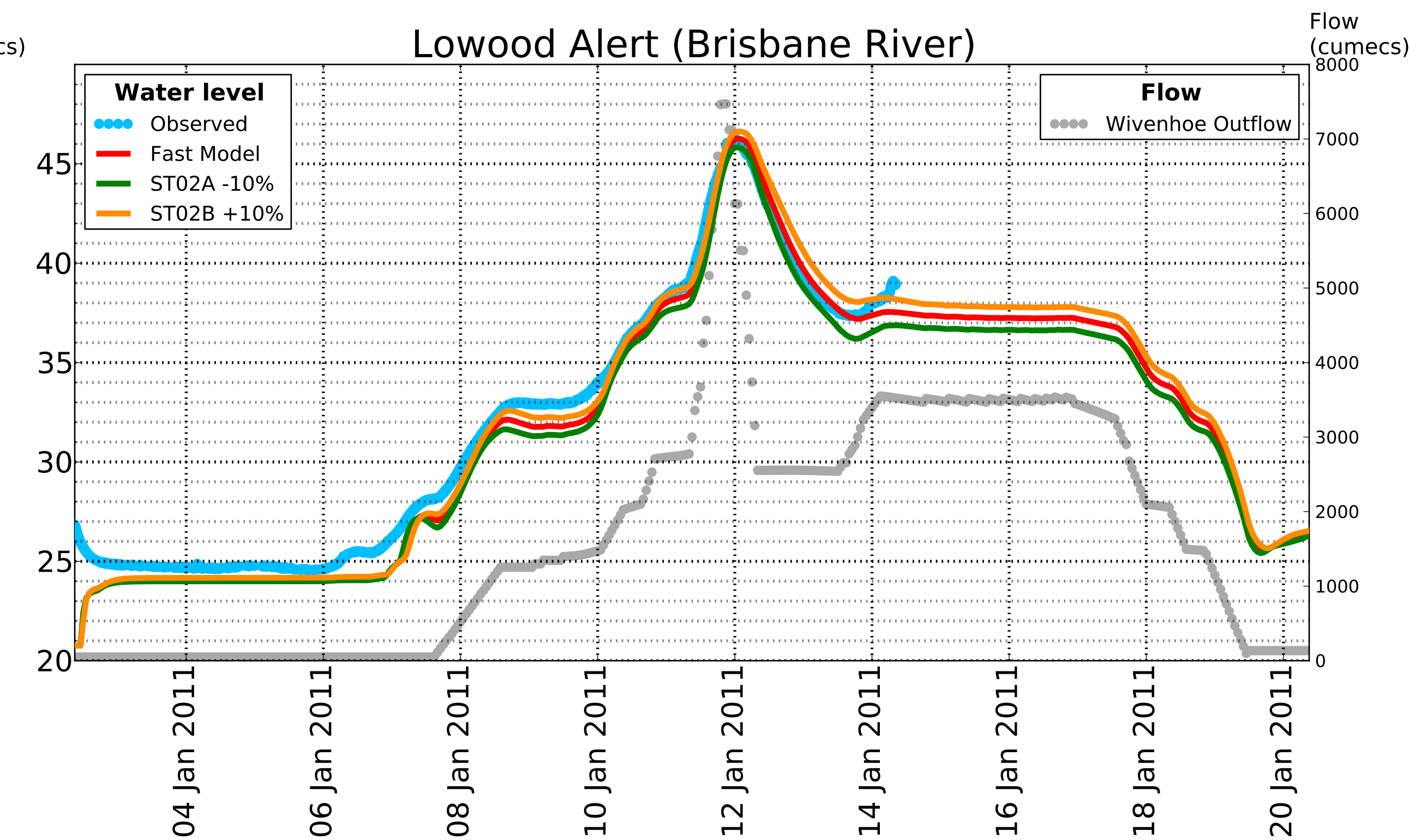
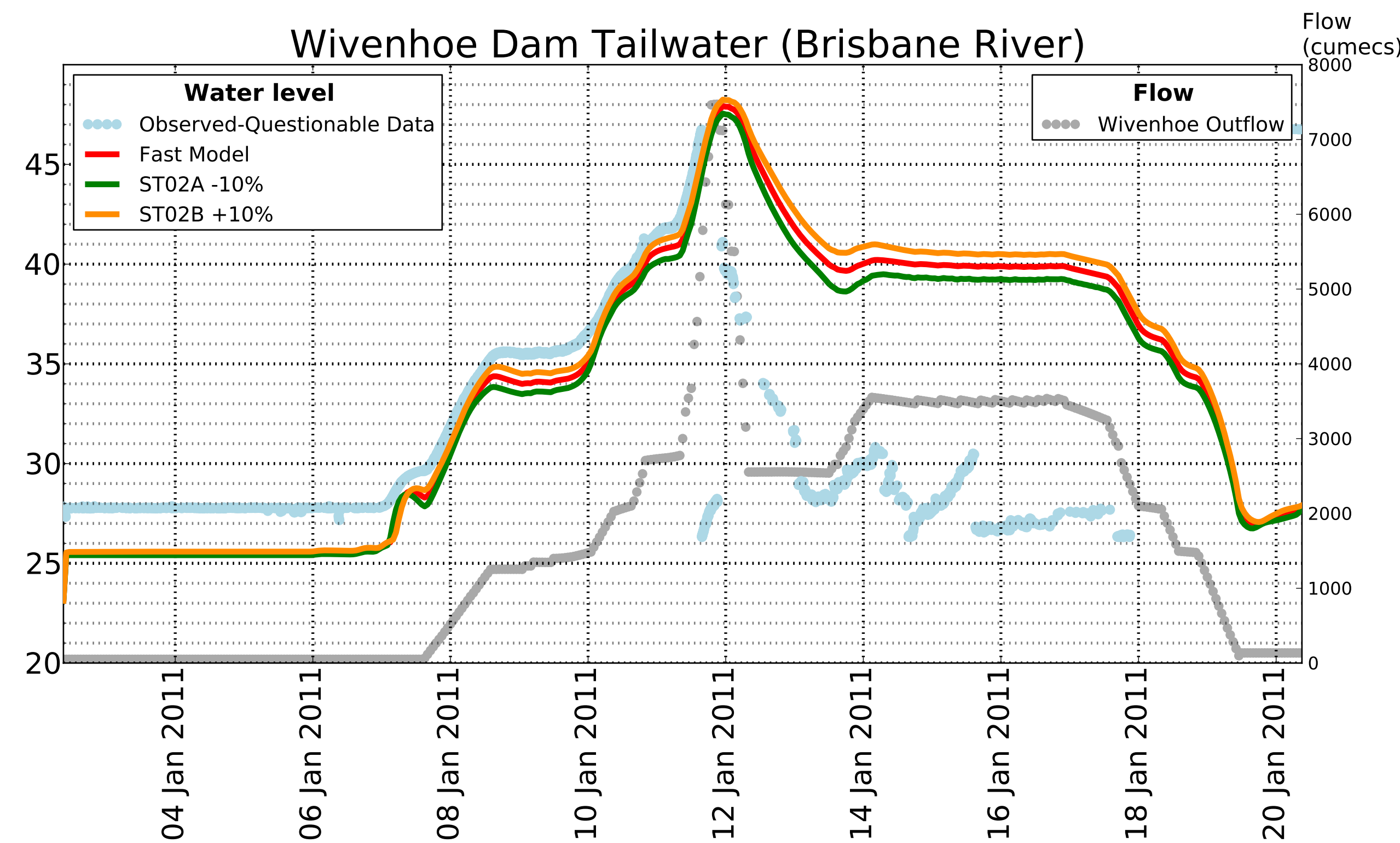
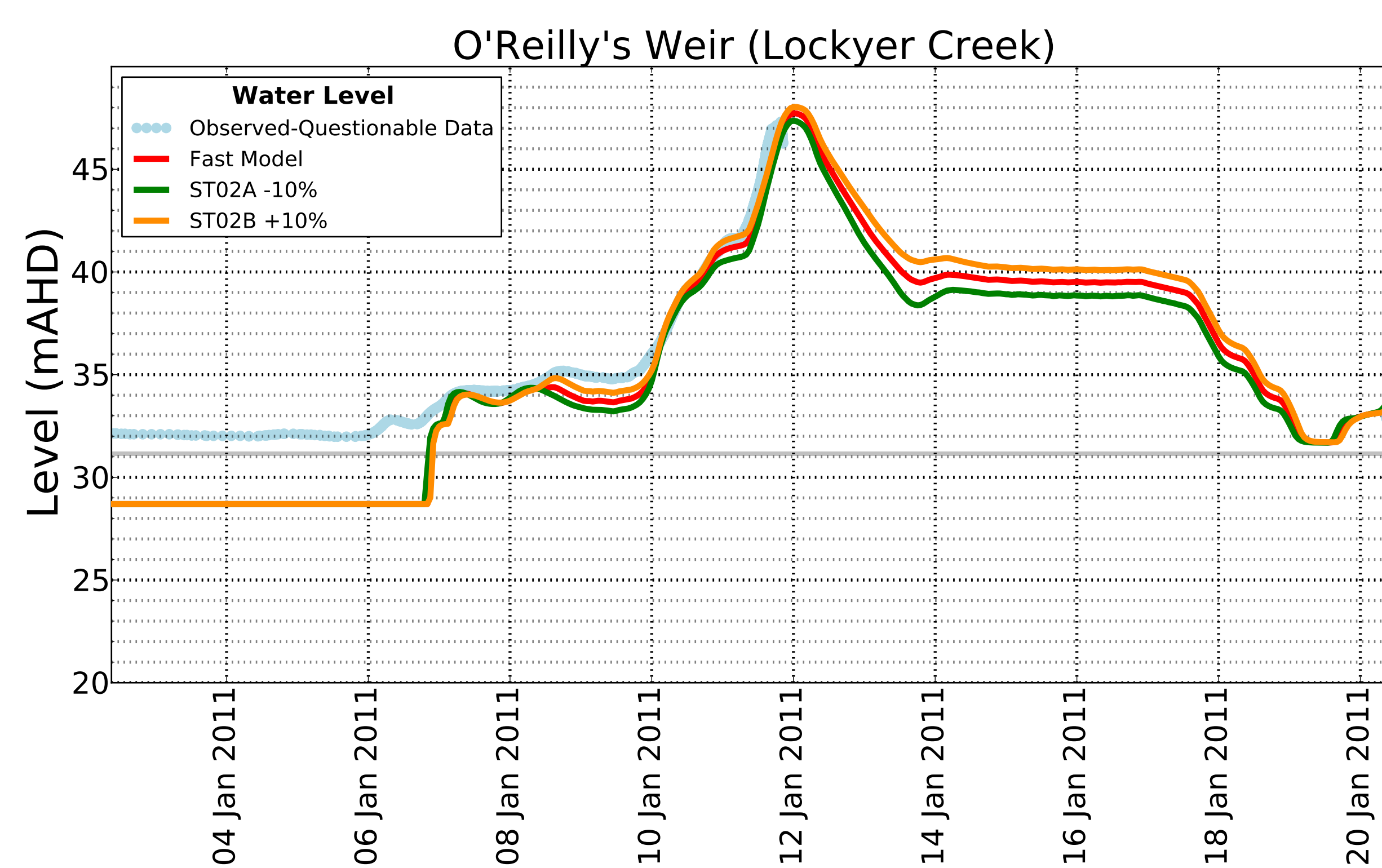
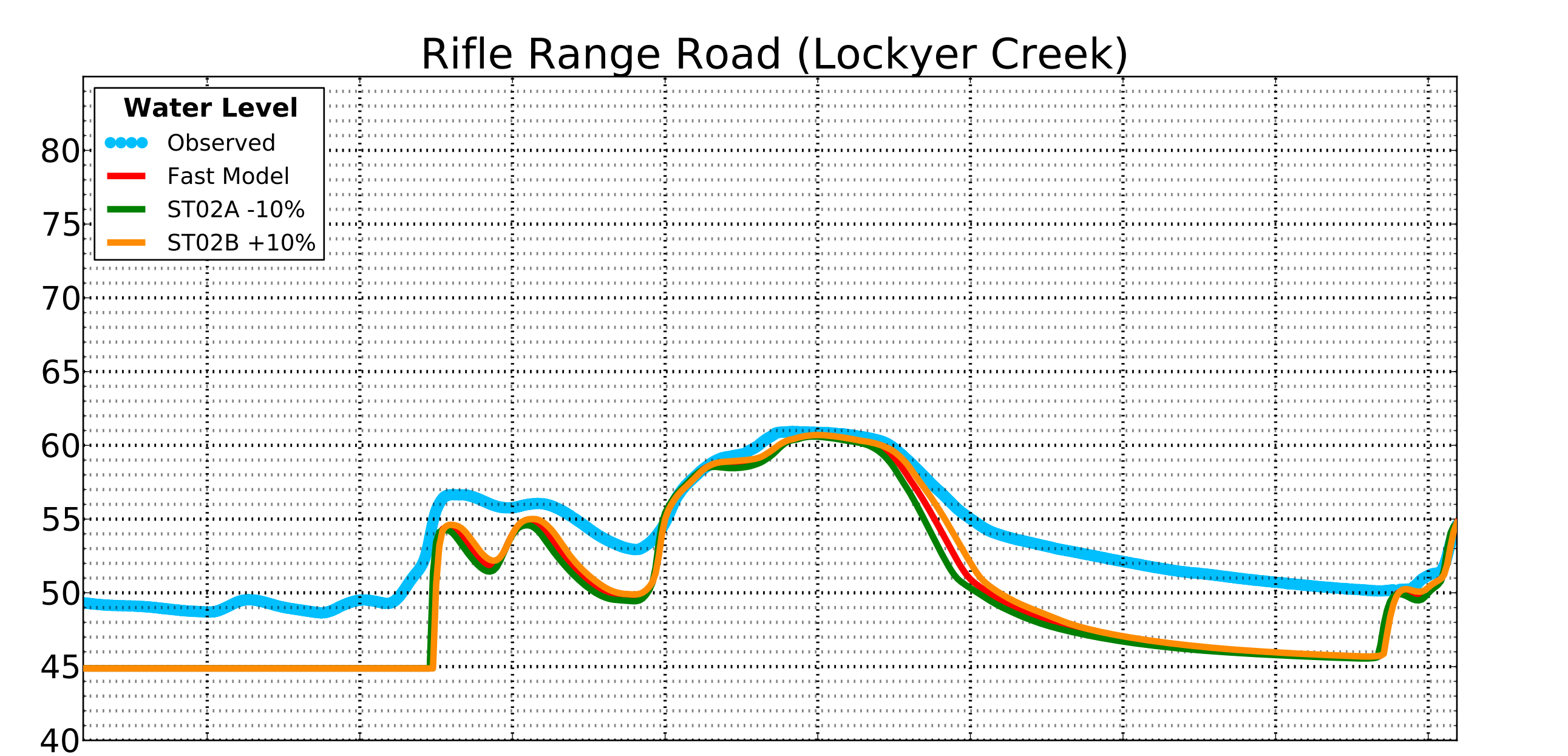
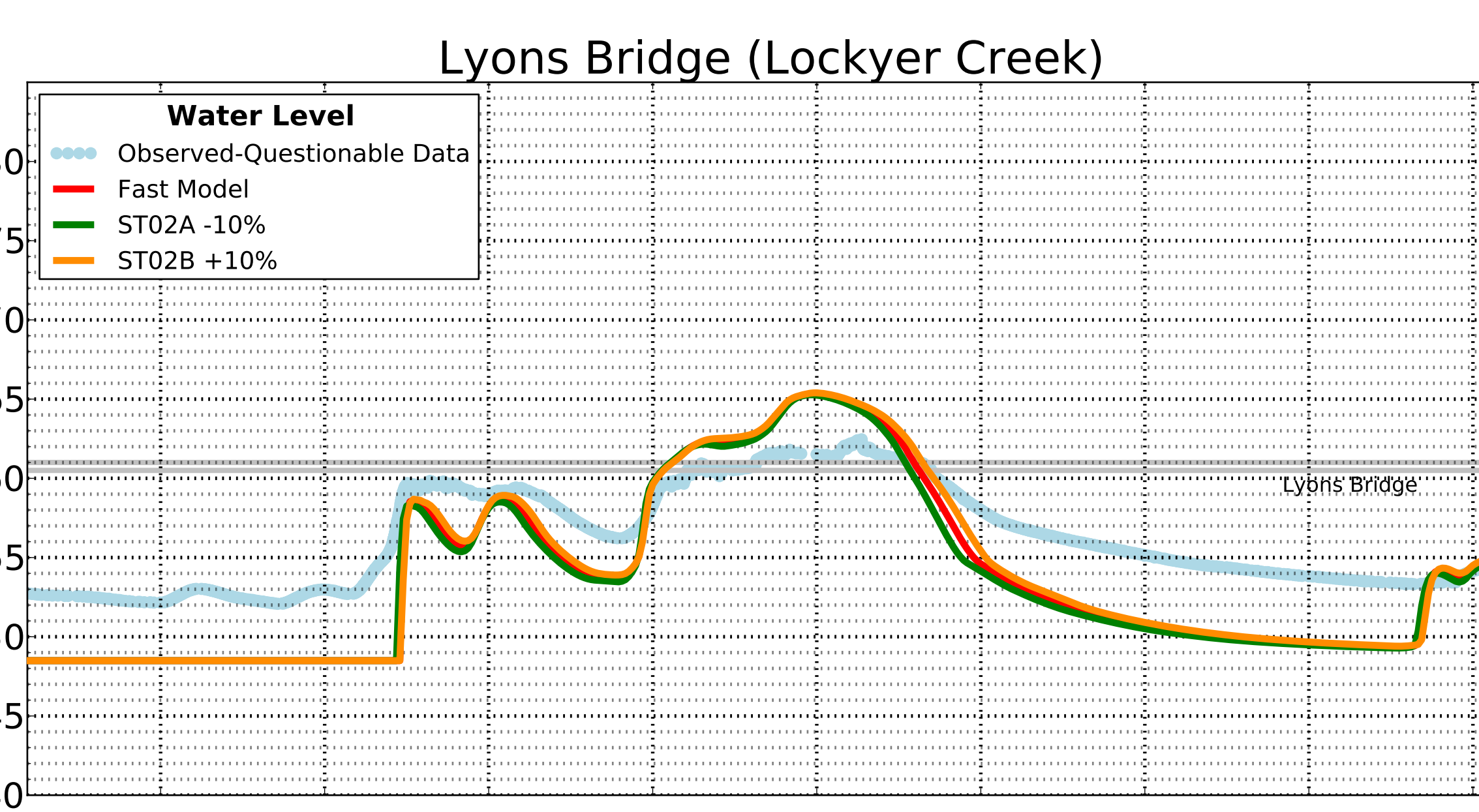
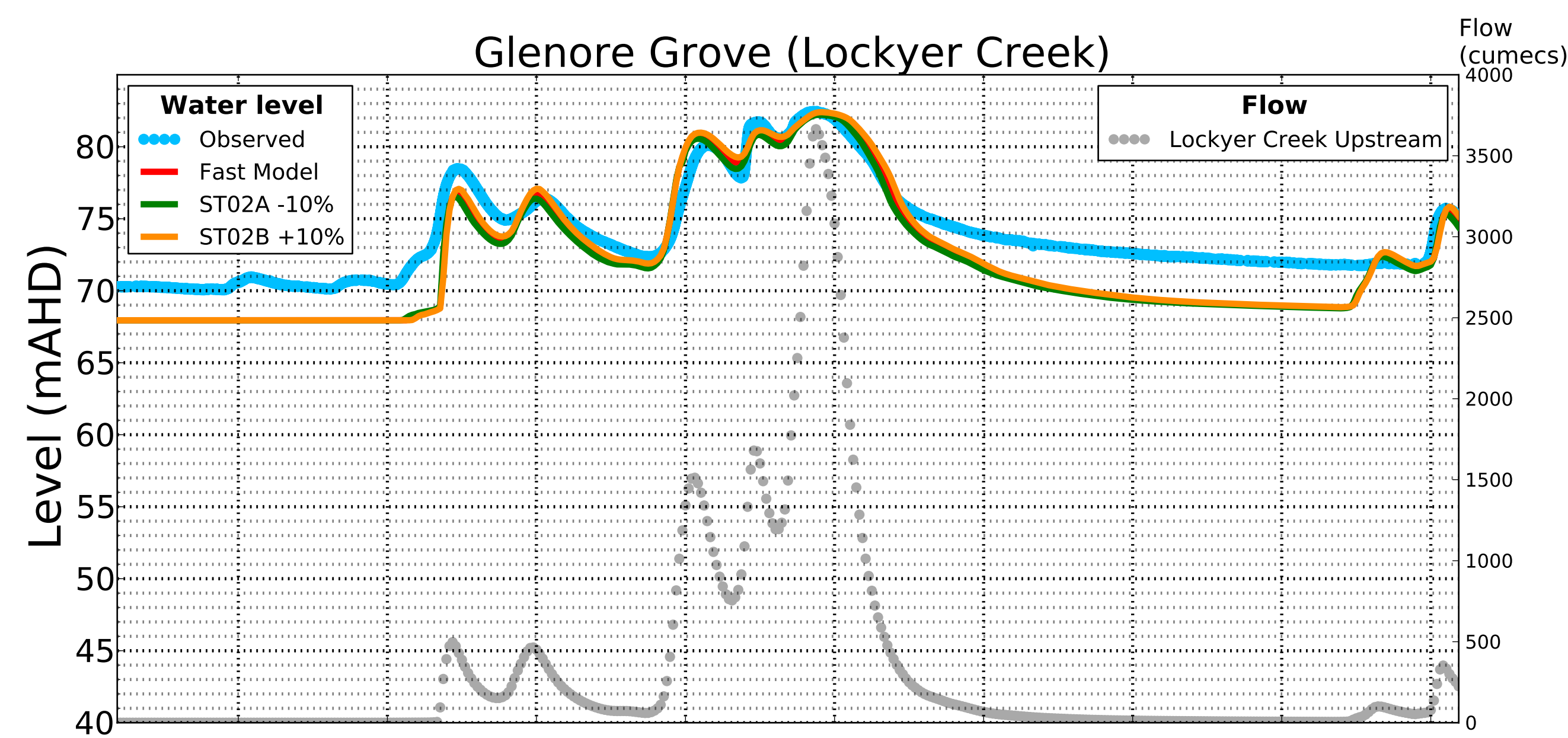
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

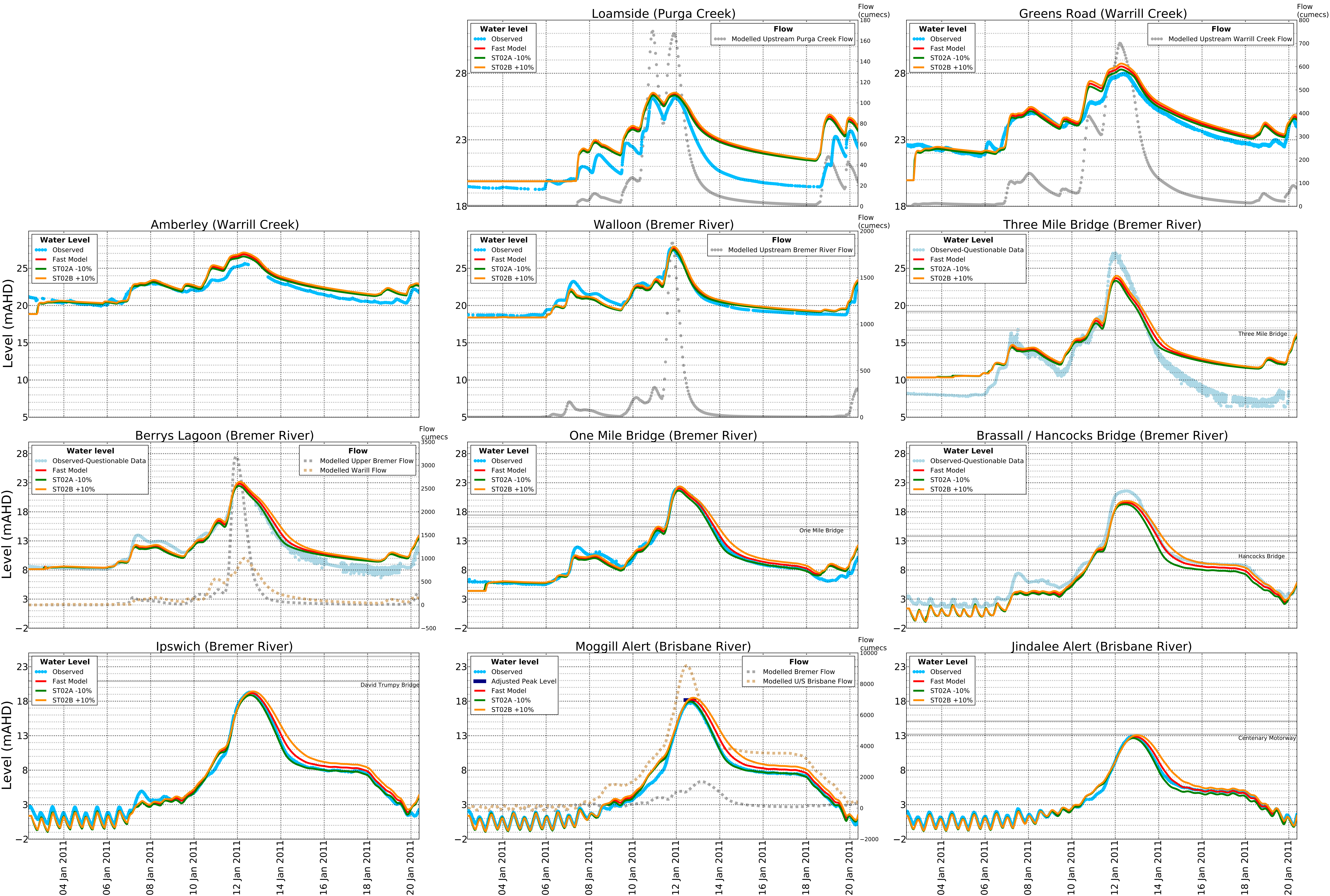
Plot 47 ST01 FM Mannings n and Bend Loss Tests
2011 Lockyer / Bremer Longitudinal Profiles



Date Labels are at 00:00 hours on that date
Fast Model Version: 0285

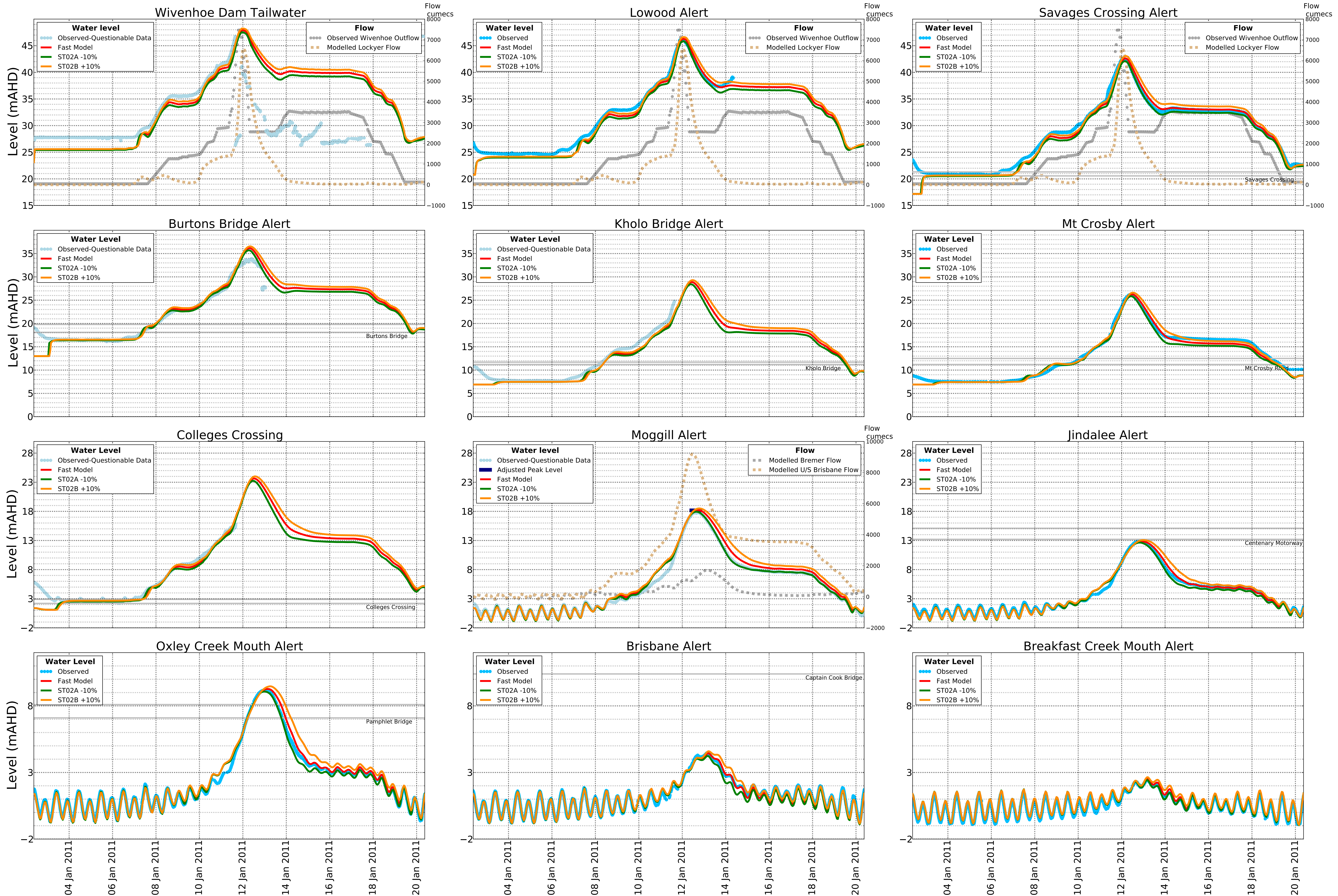
Plot 48 ST01 FM Mannings n and Bend Loss Tests
2011 Centenary Bridge Flow Recordings





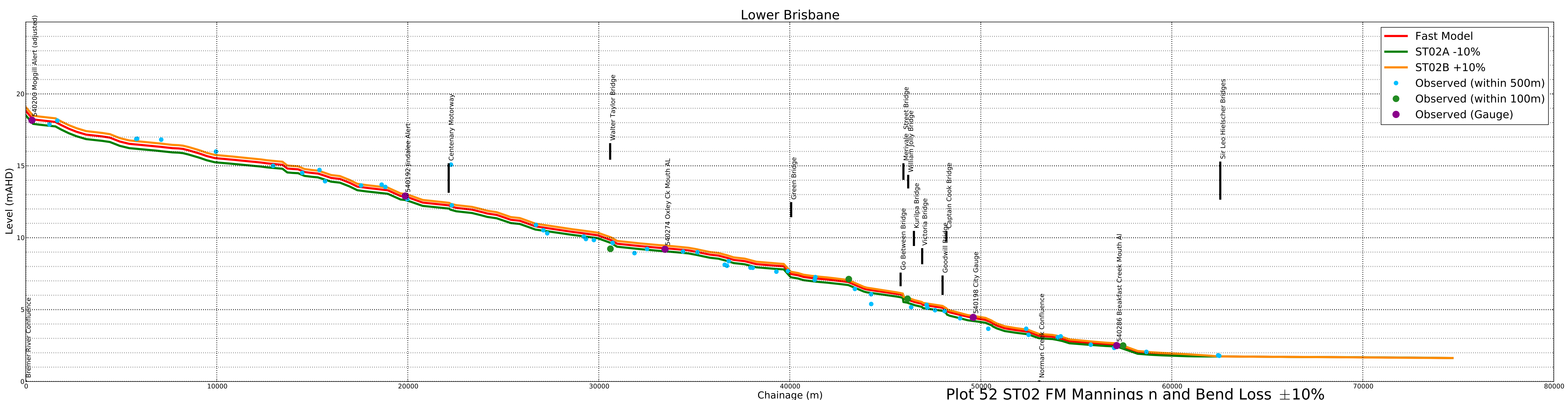
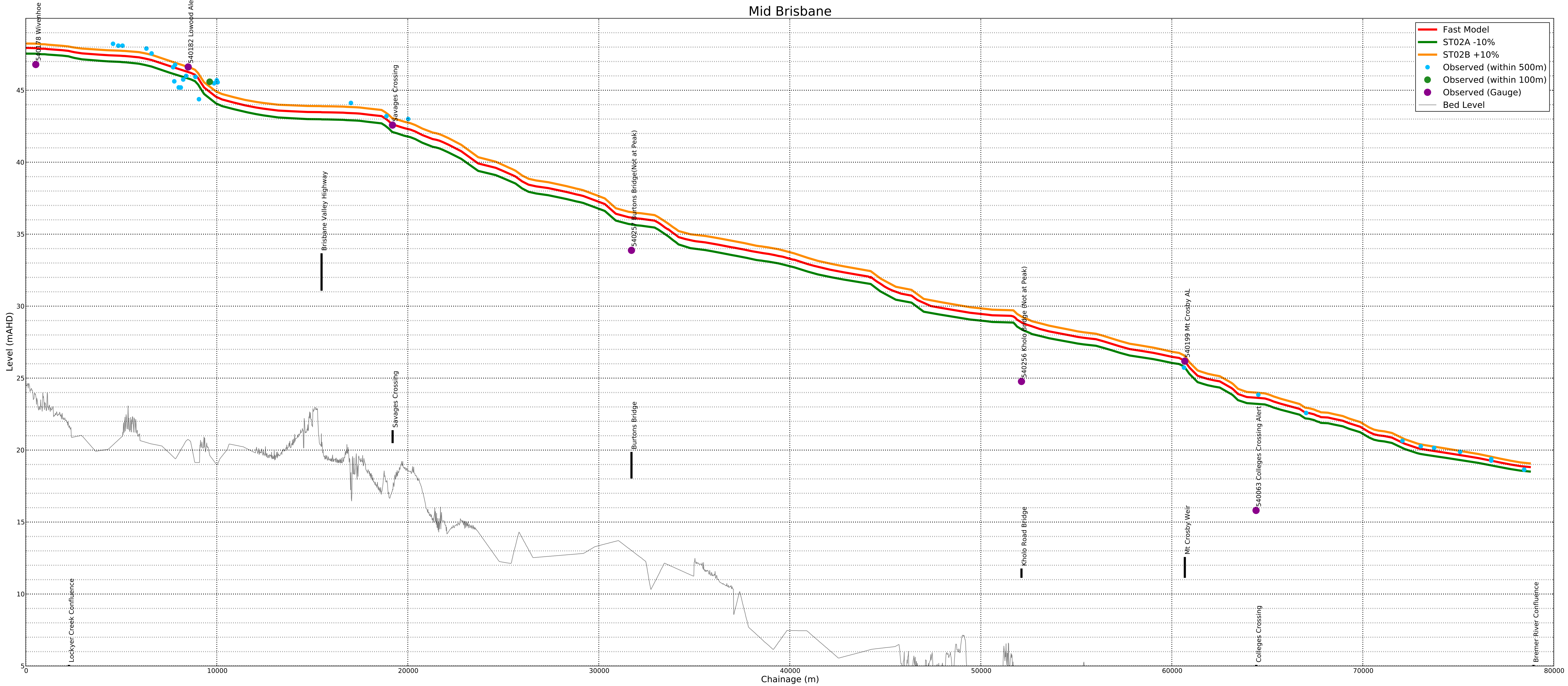
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 50 ST02 FM Mannings n and Bend Loss $\pm 10\%$
2011 Bremer River Water Level Gauges



Date Labels are at 00:00 hours on that date
 Bridge Levels shown are lowest soffit and lowest deck level
 Fast Model Version: 0285

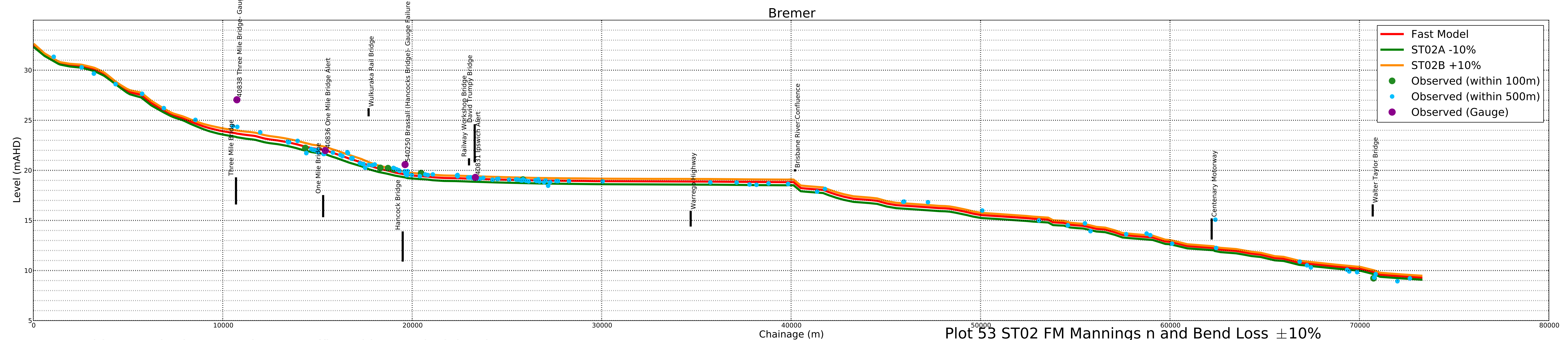
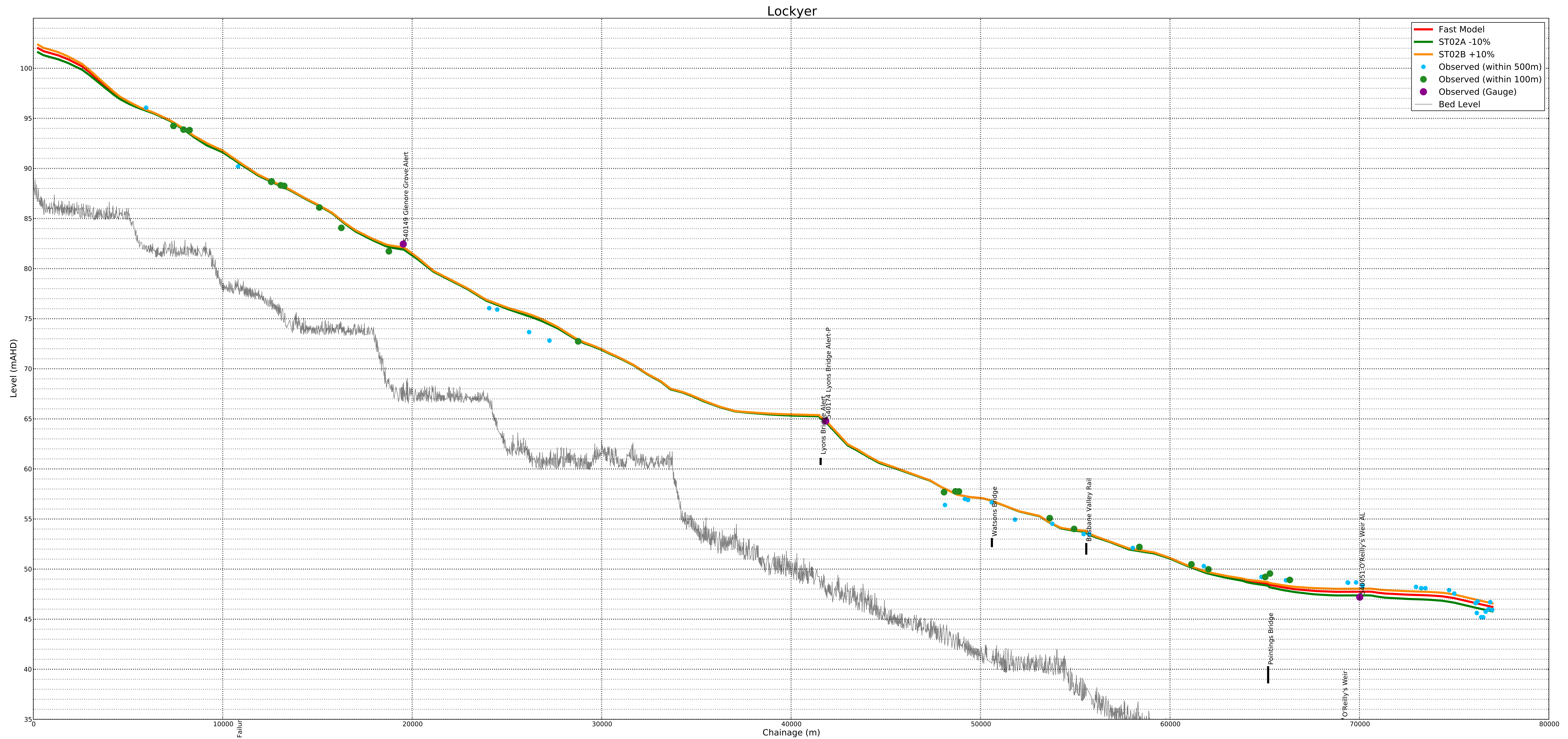
Plot 51 ST02 FM Mannings n and Bend Loss $\pm 10\%$
 2011 Brisbane River Water Level Gauges



Bridge Levels shown are lowest soffit and lowest deck level

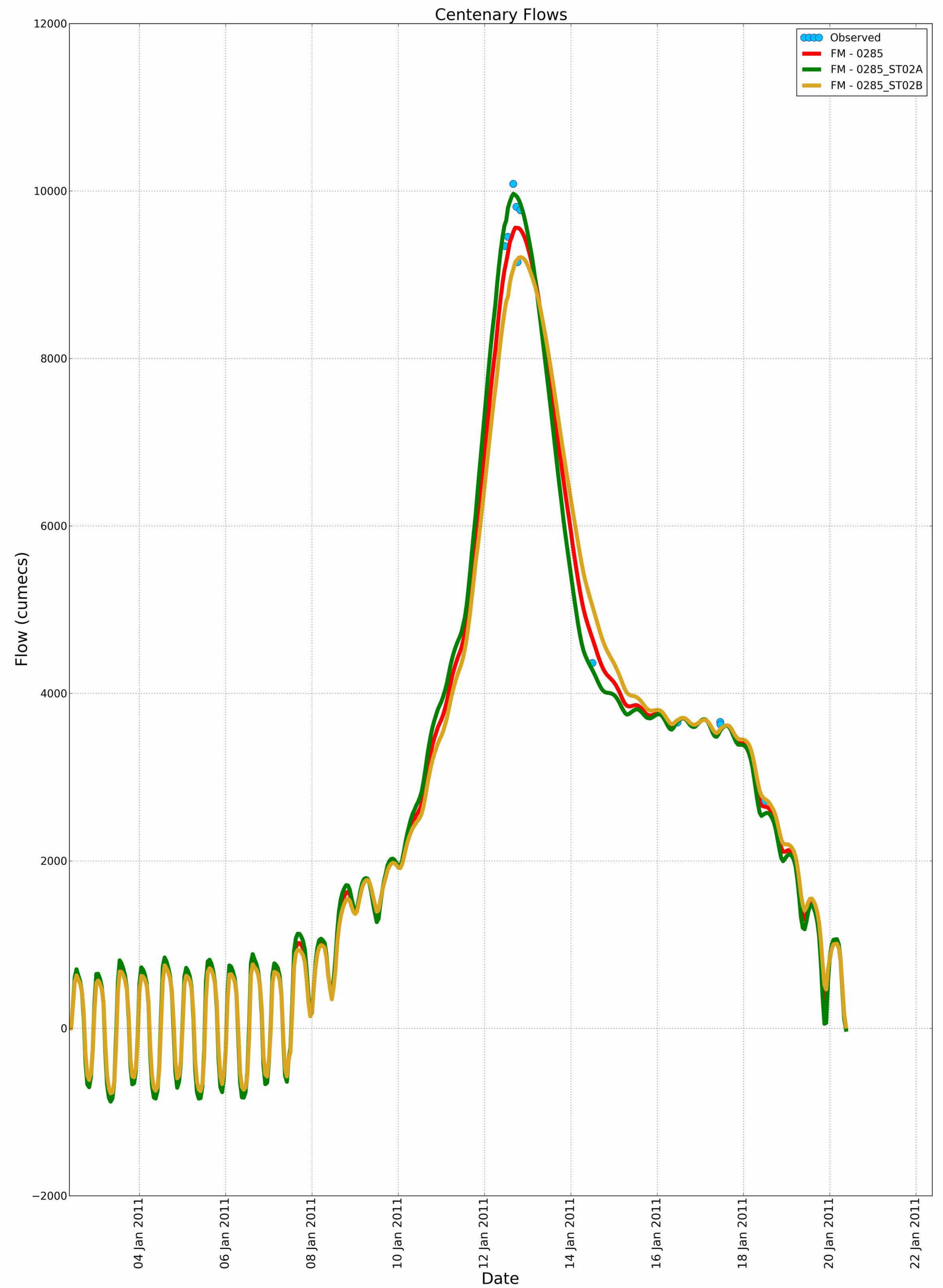
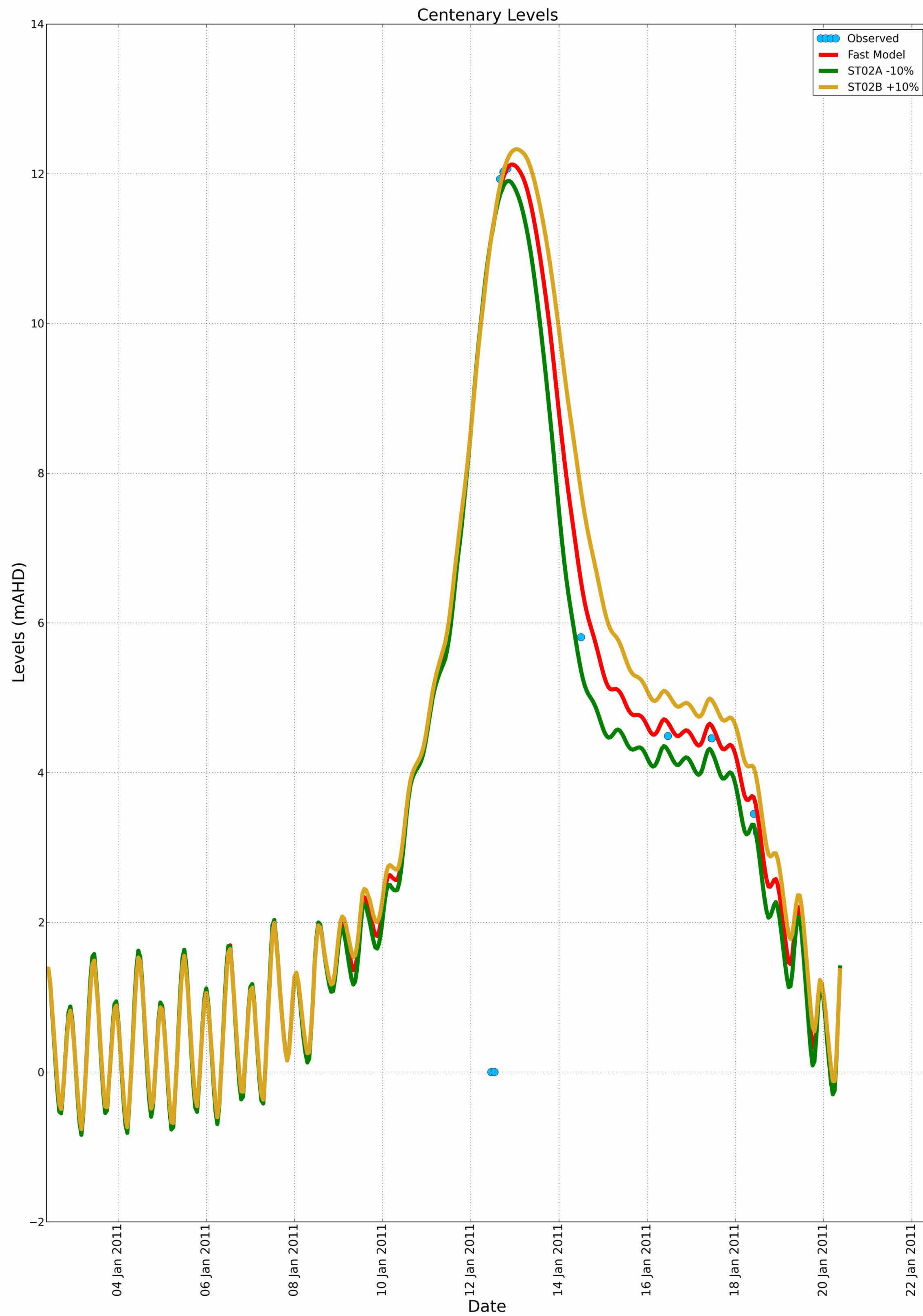
Fast Model Version: 0285

Plot 52 ST02 FM Mannings n and Bend Loss $\pm 10\%$
2011 Brisbane River Longitudinal Profiles



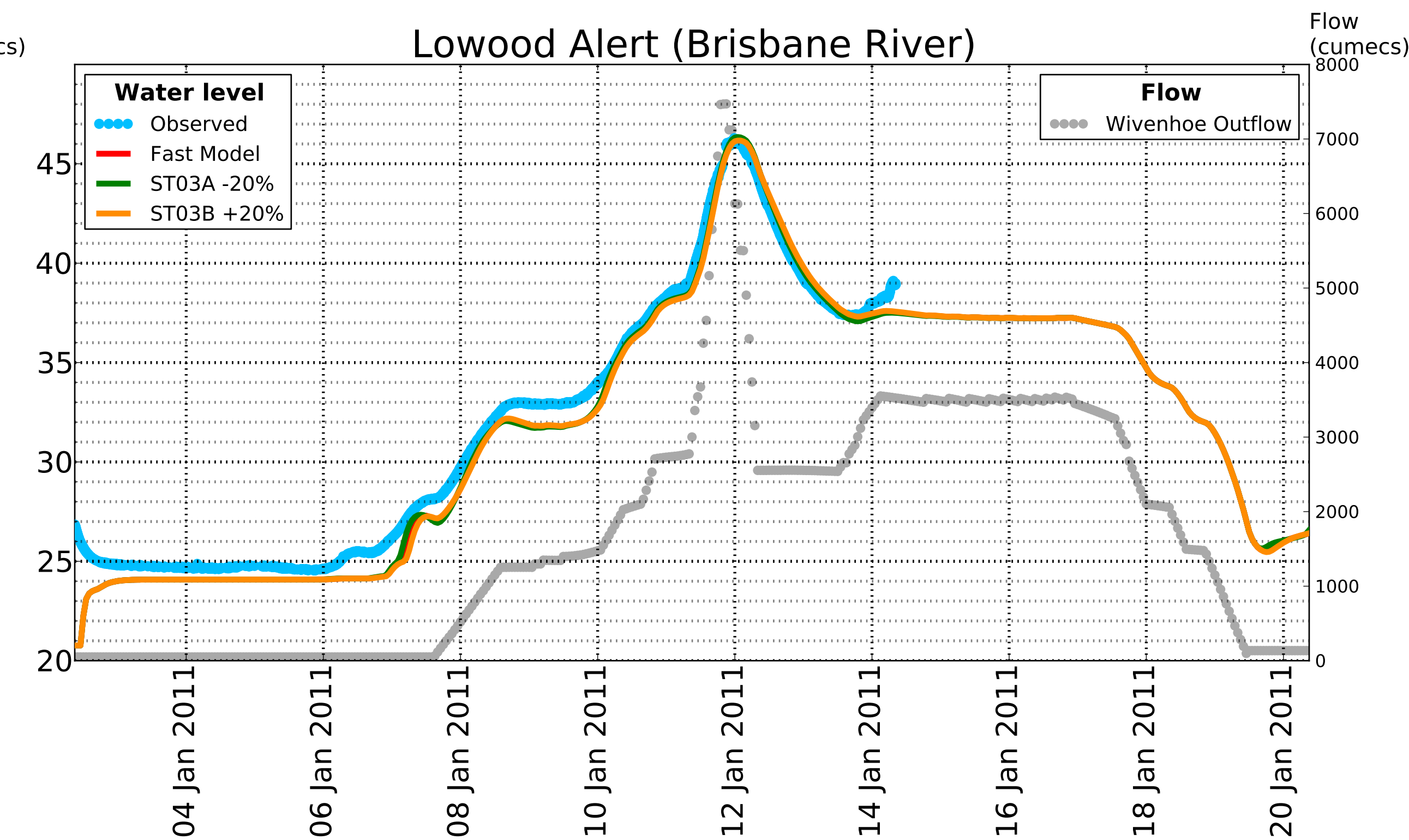
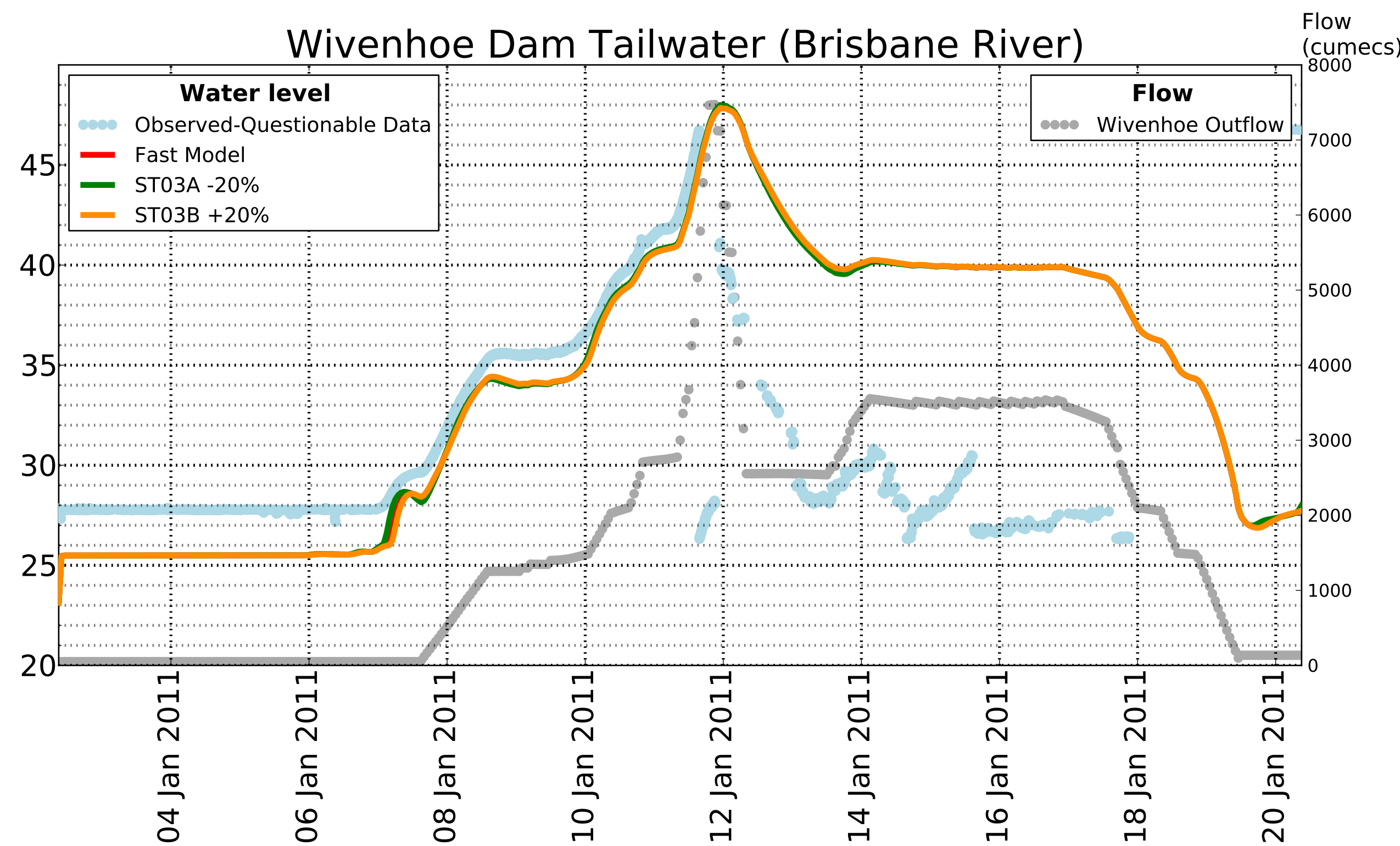
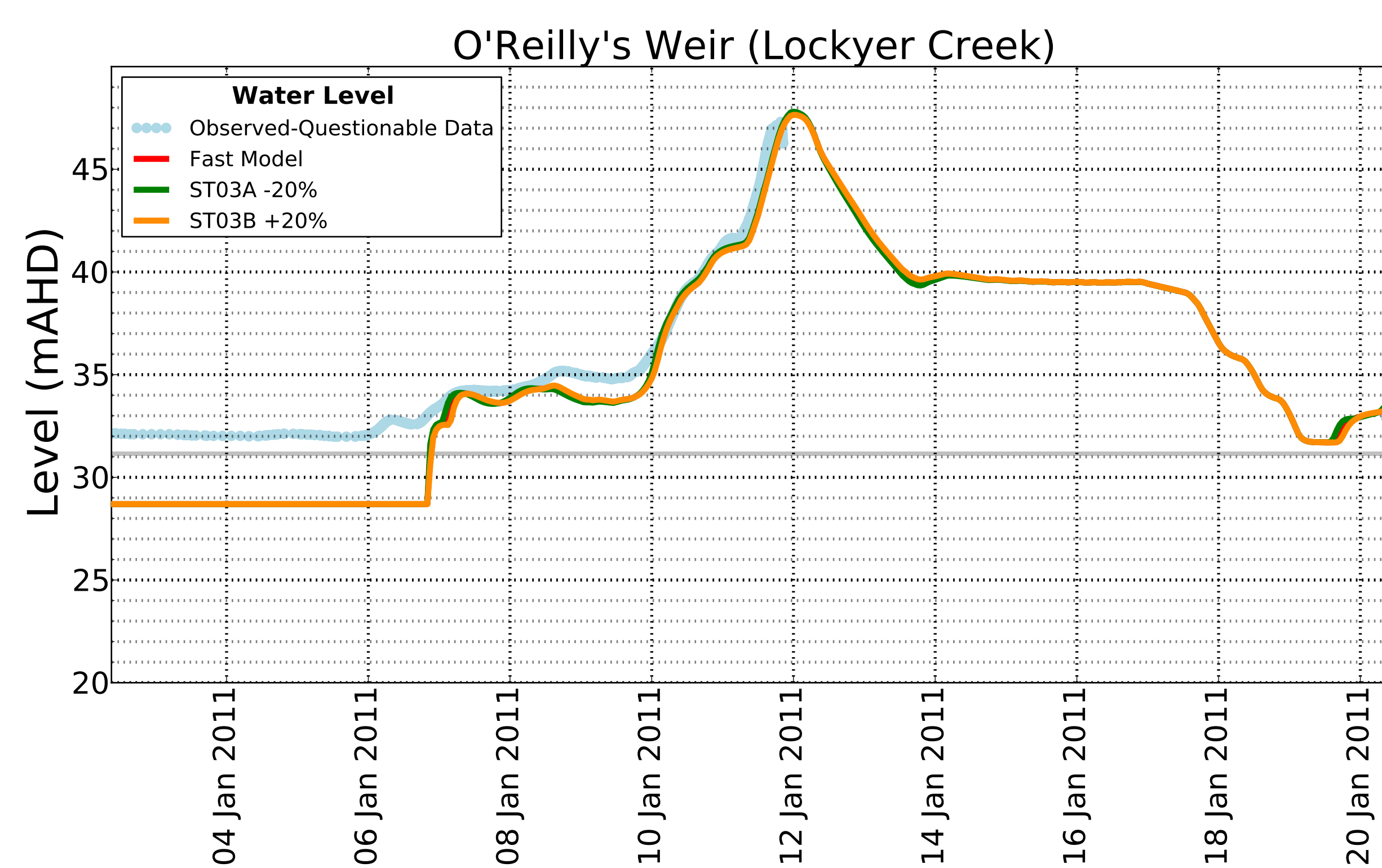
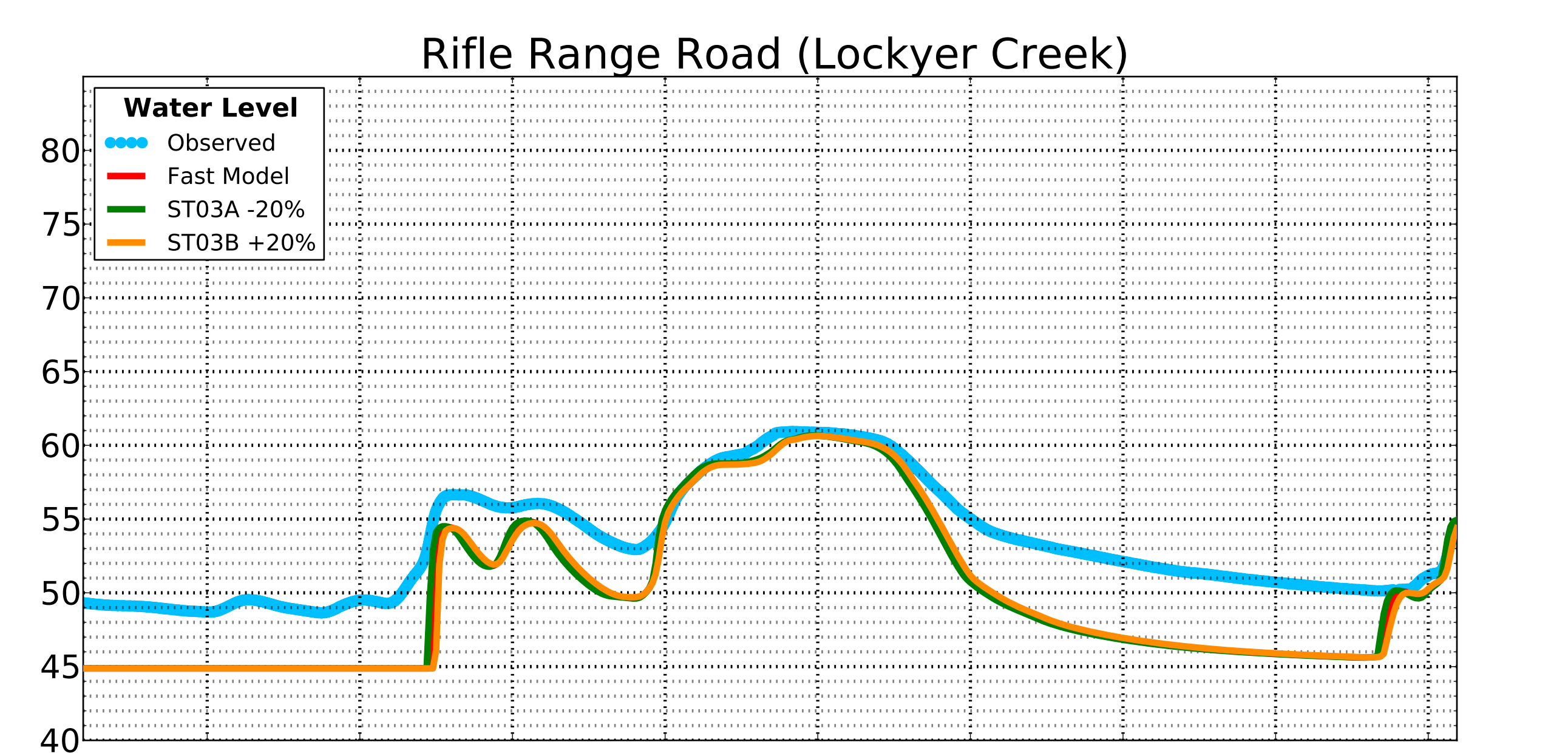
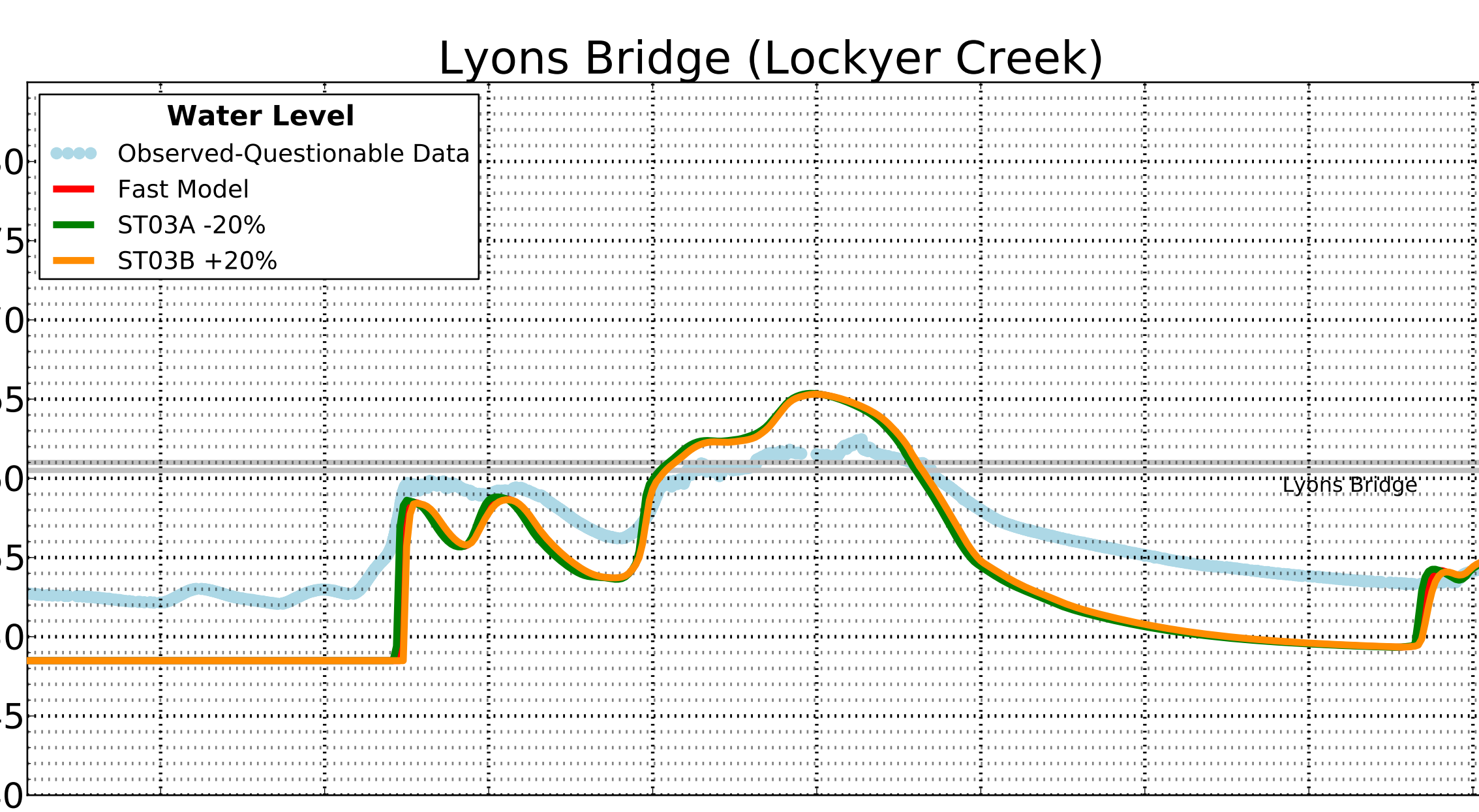
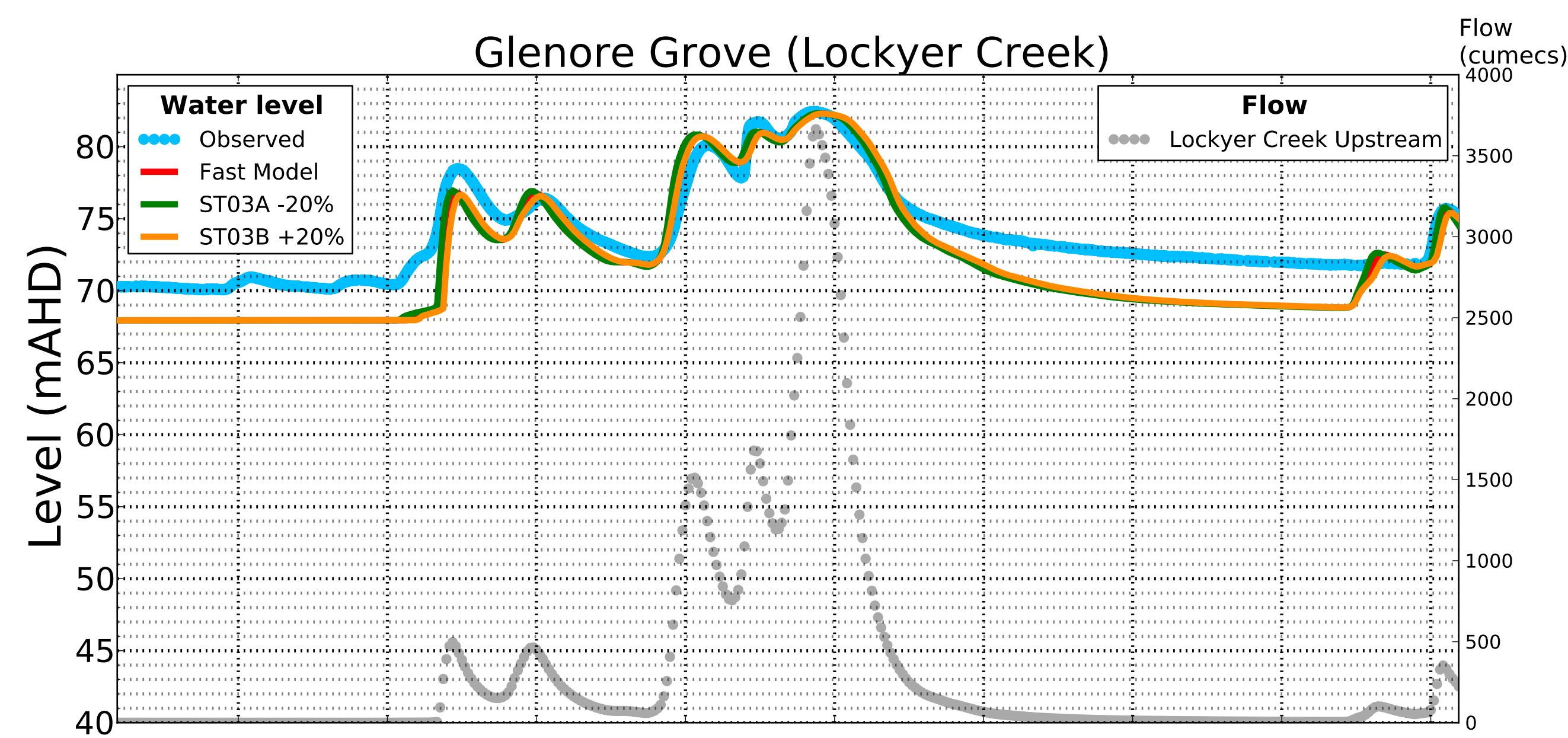
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

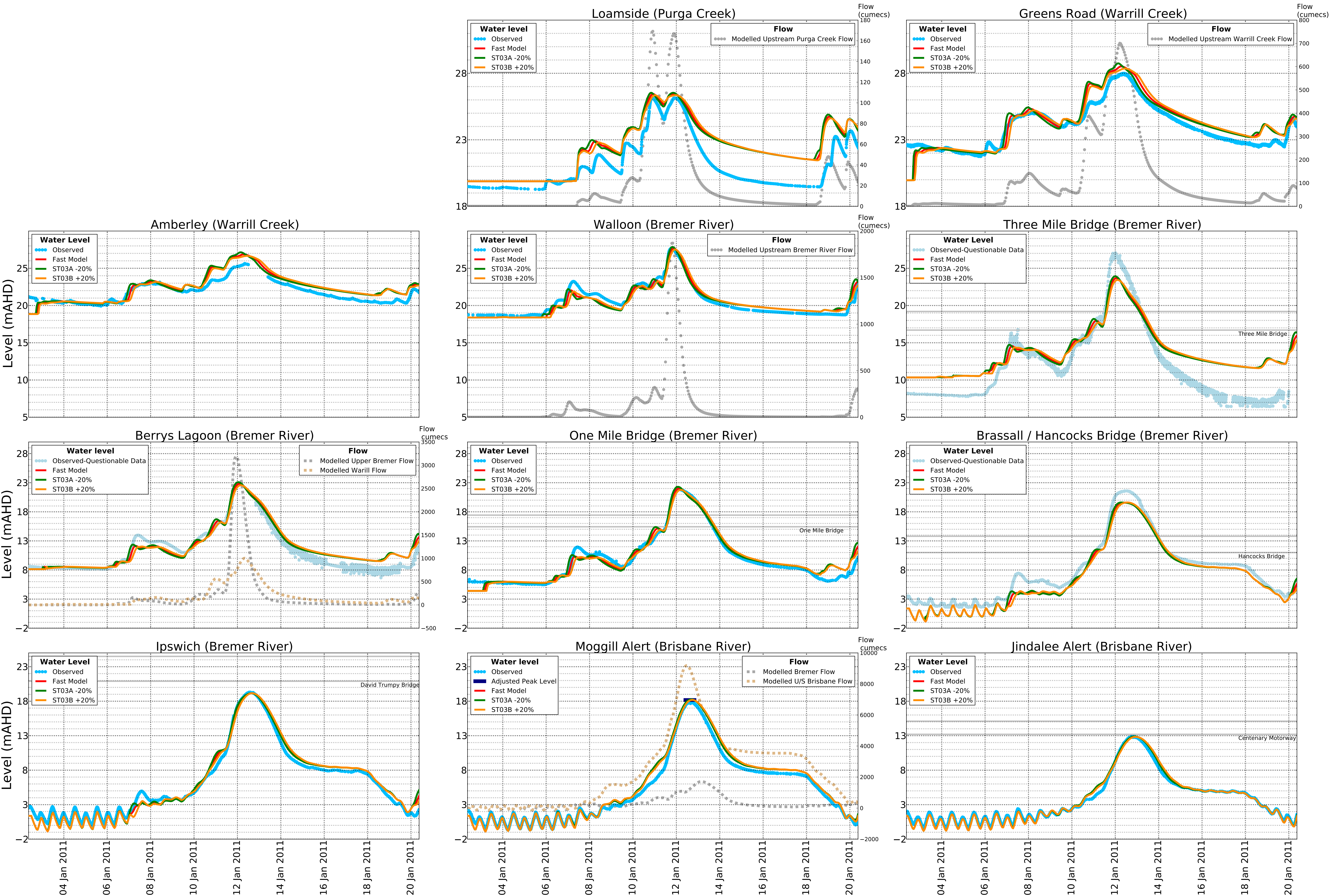
Plot 53 ST02 FM Mannings n and Bend Loss $\pm 10\%$
2011 Lockyer / Bremer Longitudinal Profiles



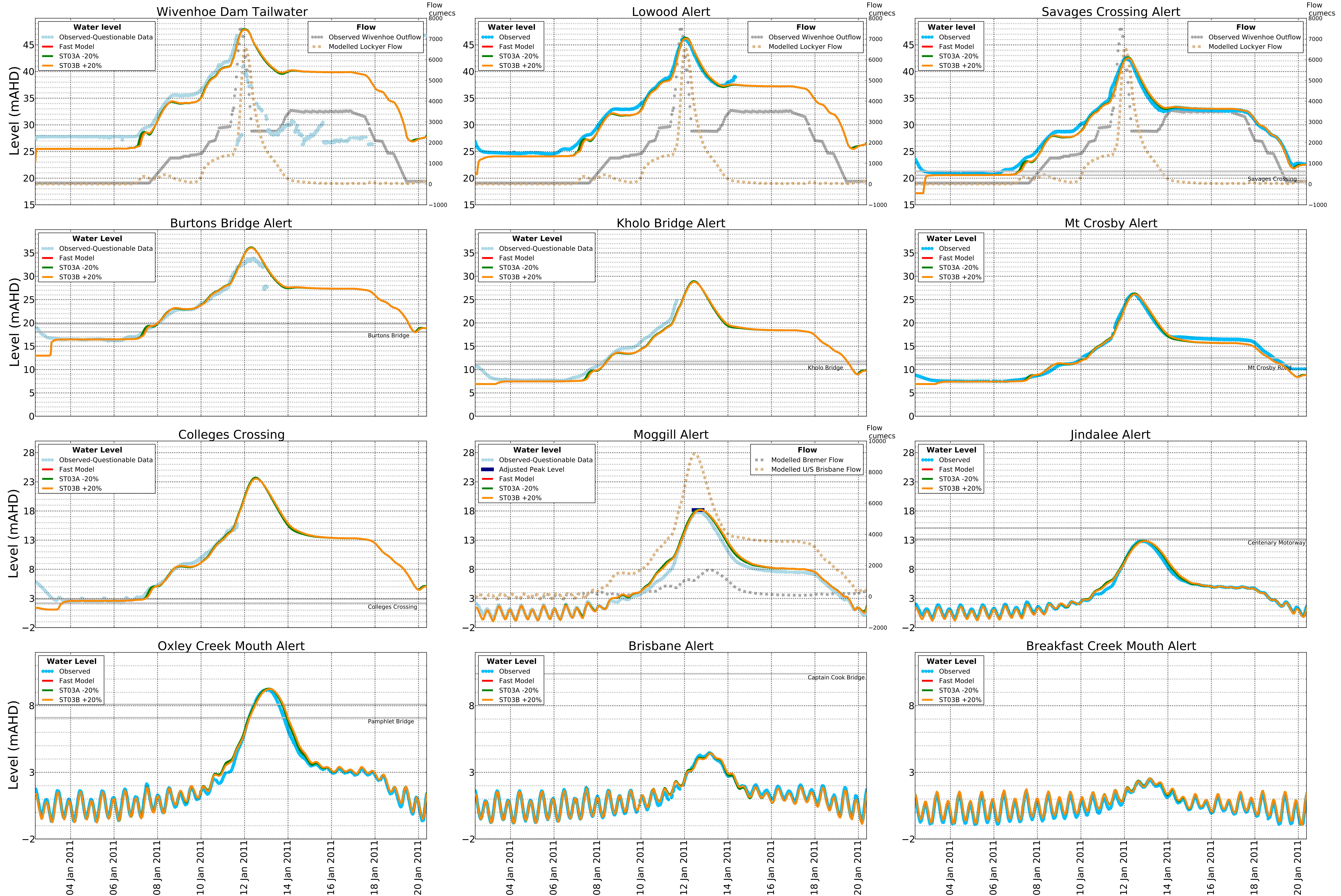
Date Labels are at 00:00 hours on that date
Fast Model Version: 0285

Plot 54 ST02 FM Mannings n and Bend Loss $\pm 10\%$
2011 Centenary Bridge Flow Recordings



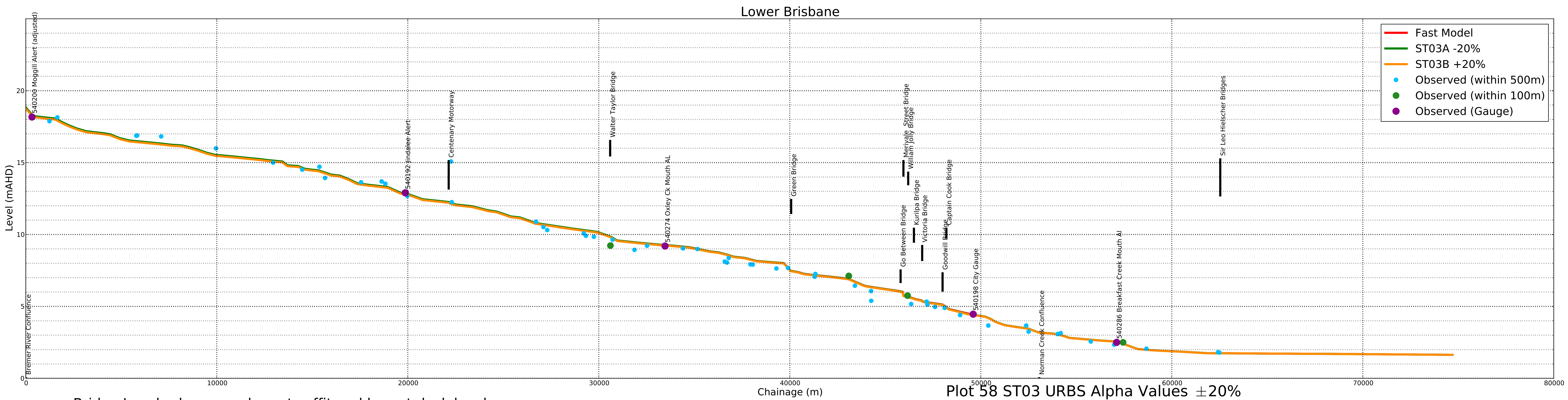
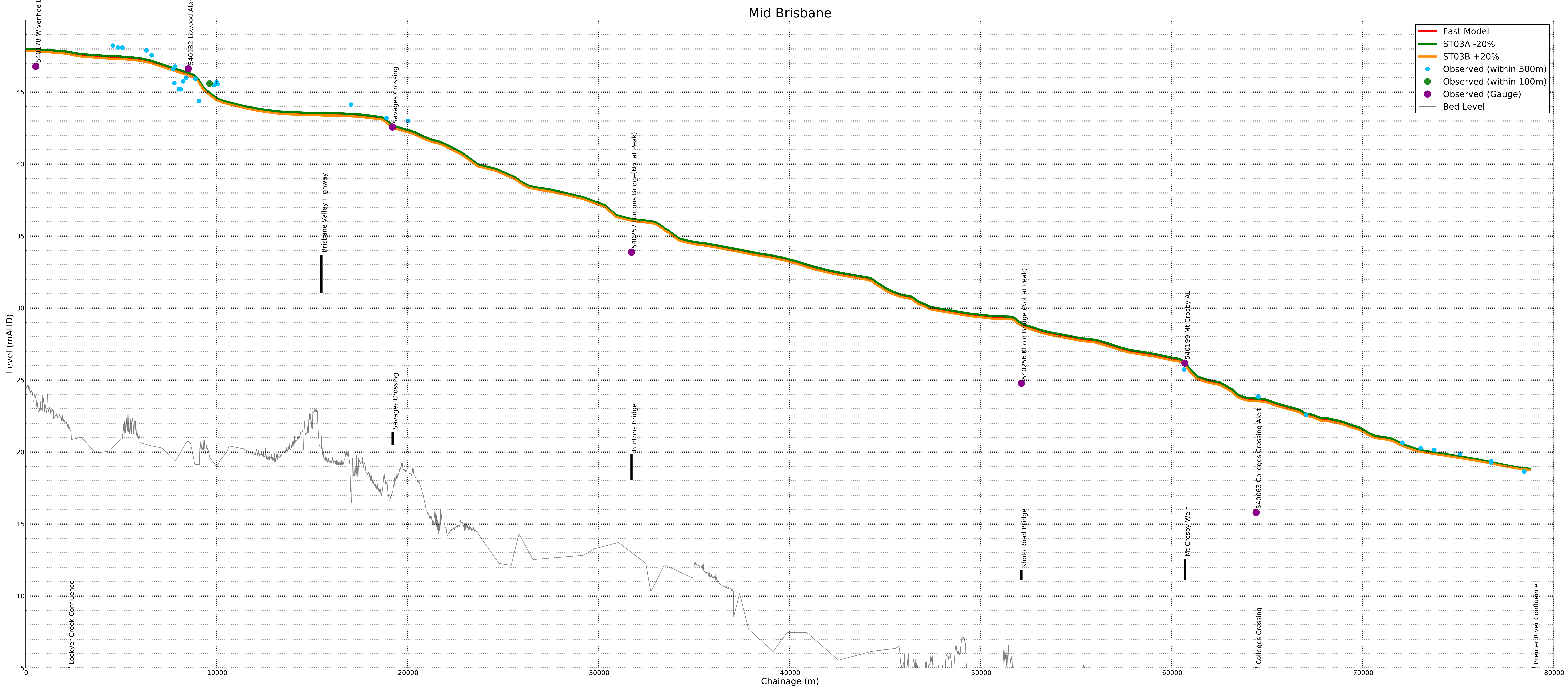


Plot 56 ST03 URBS Alpha Values $\pm 20\%$
2011 Bremer River Water Level Gauges



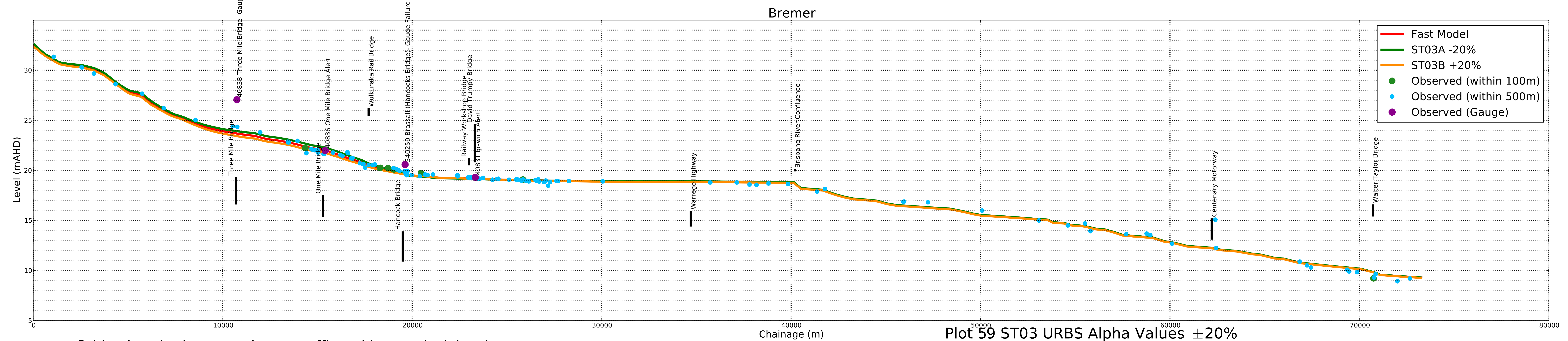
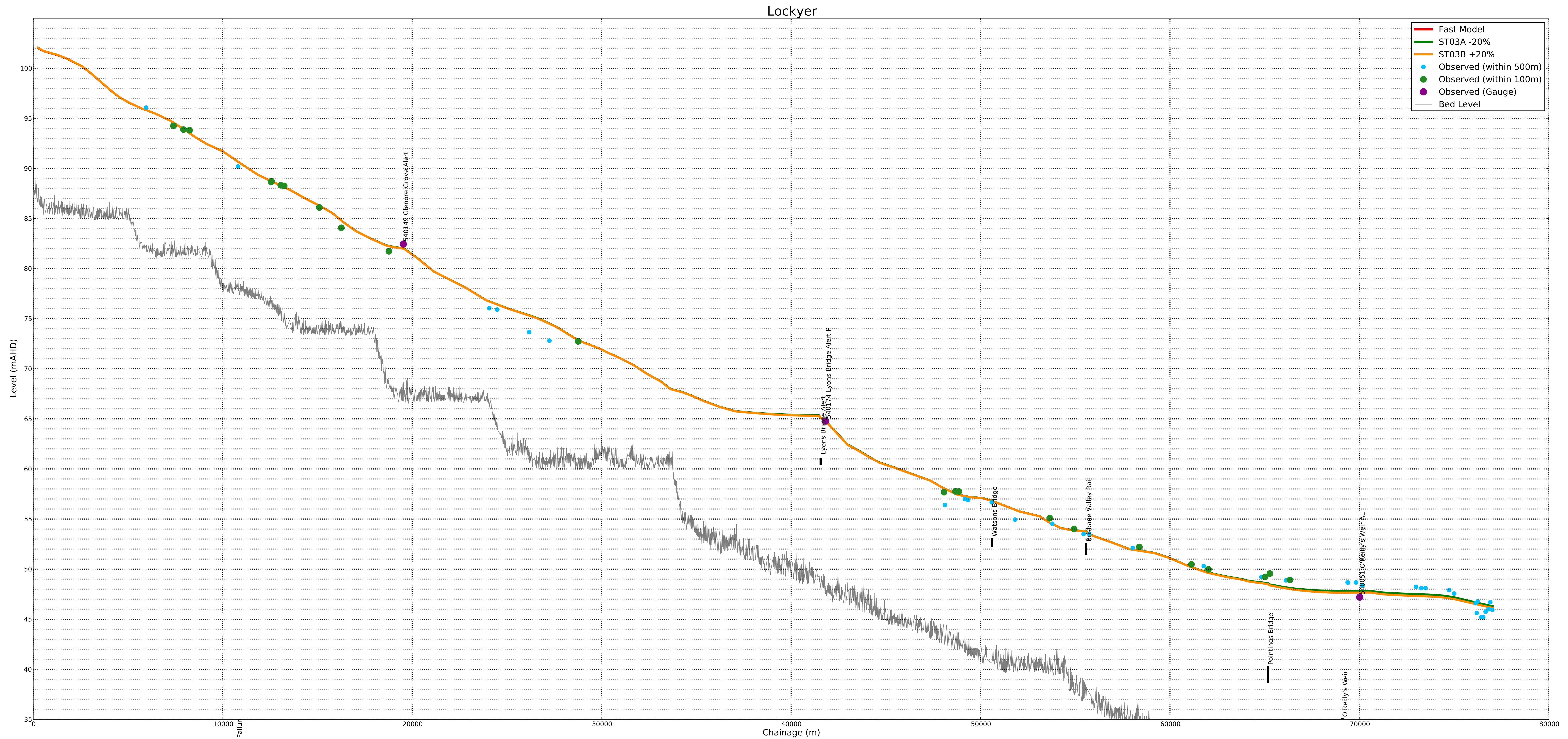
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 57 ST03 URBS Alpha Values $\pm 20\%$
2011 Brisbane River Water Level Gauges



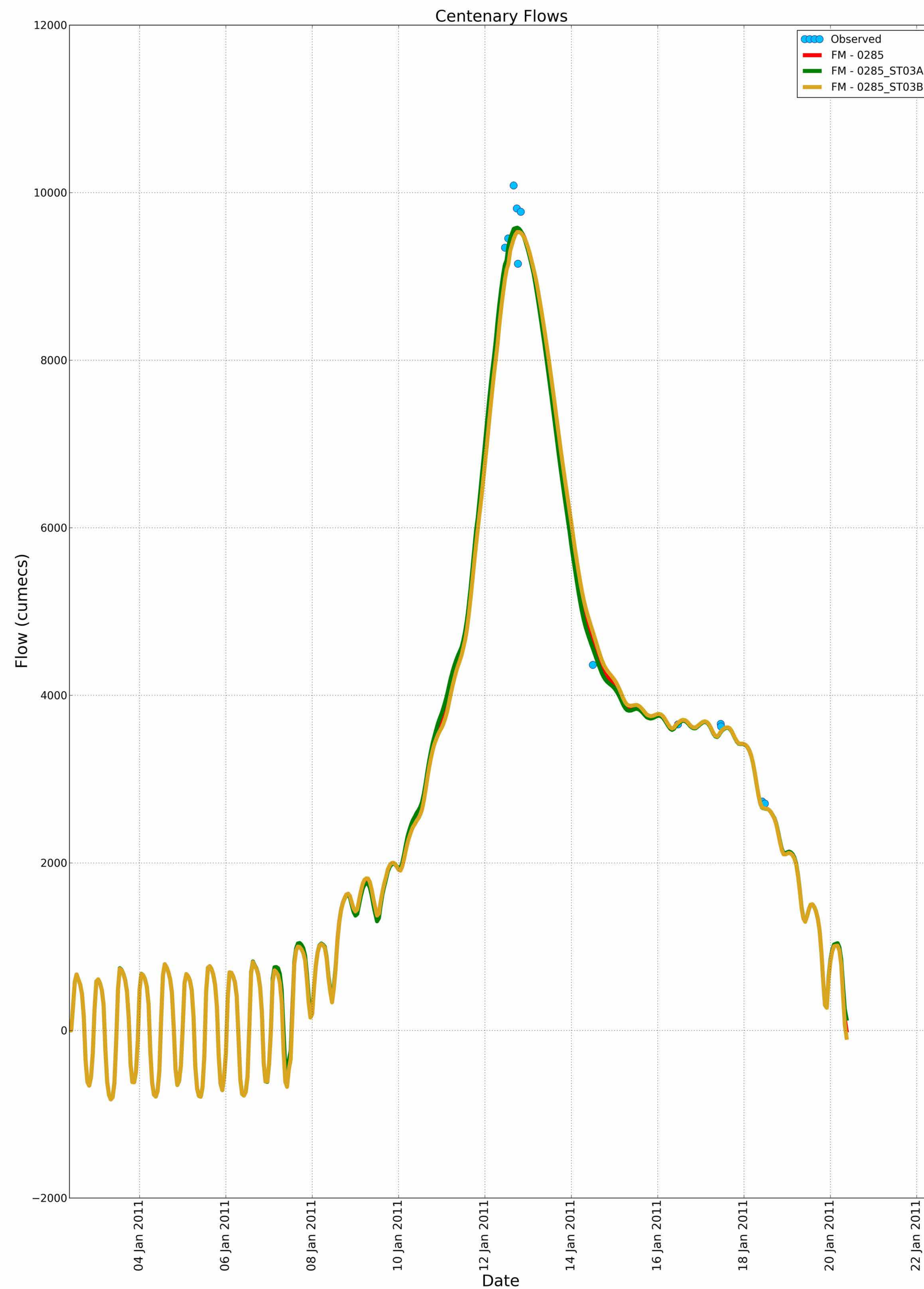
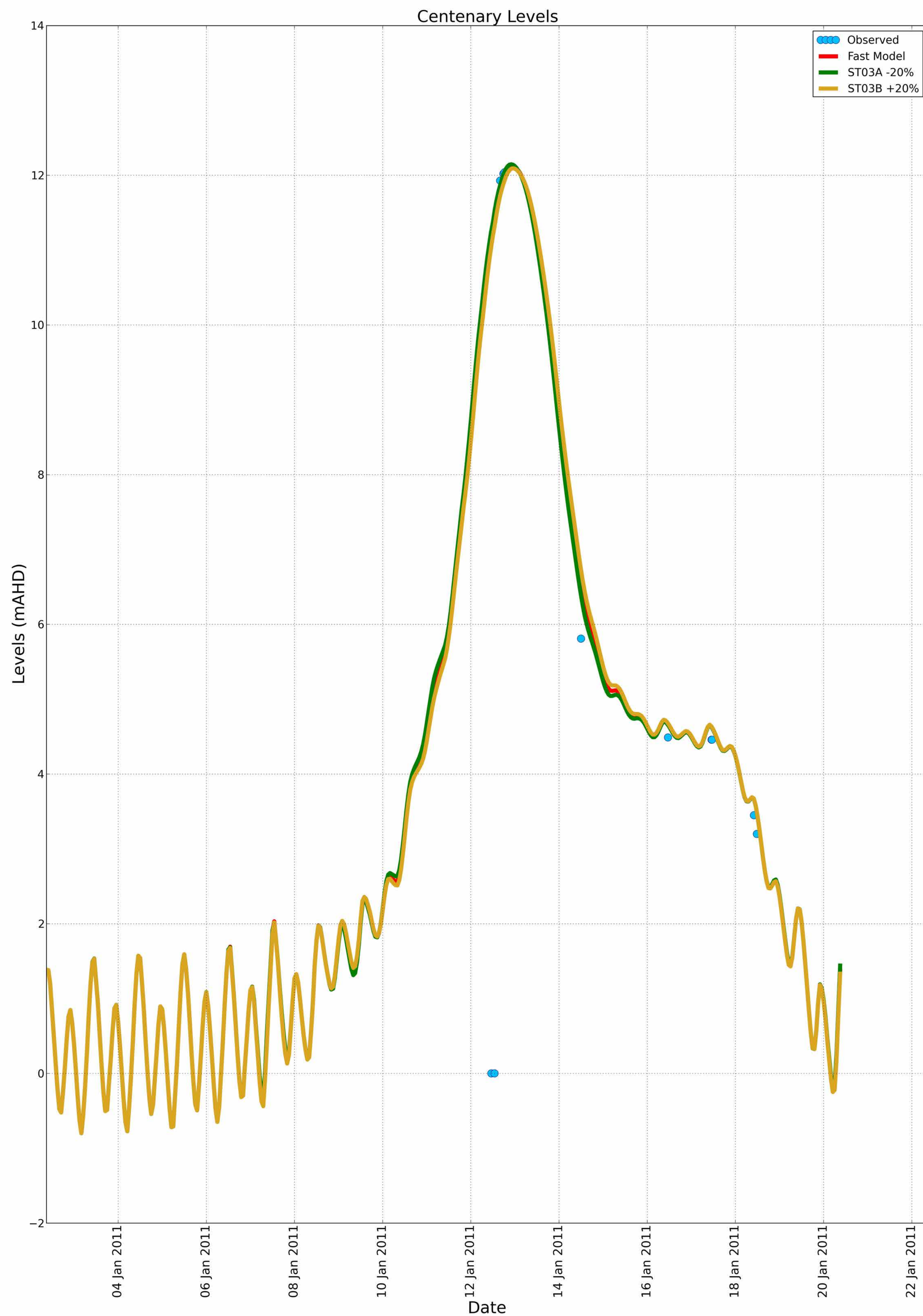
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

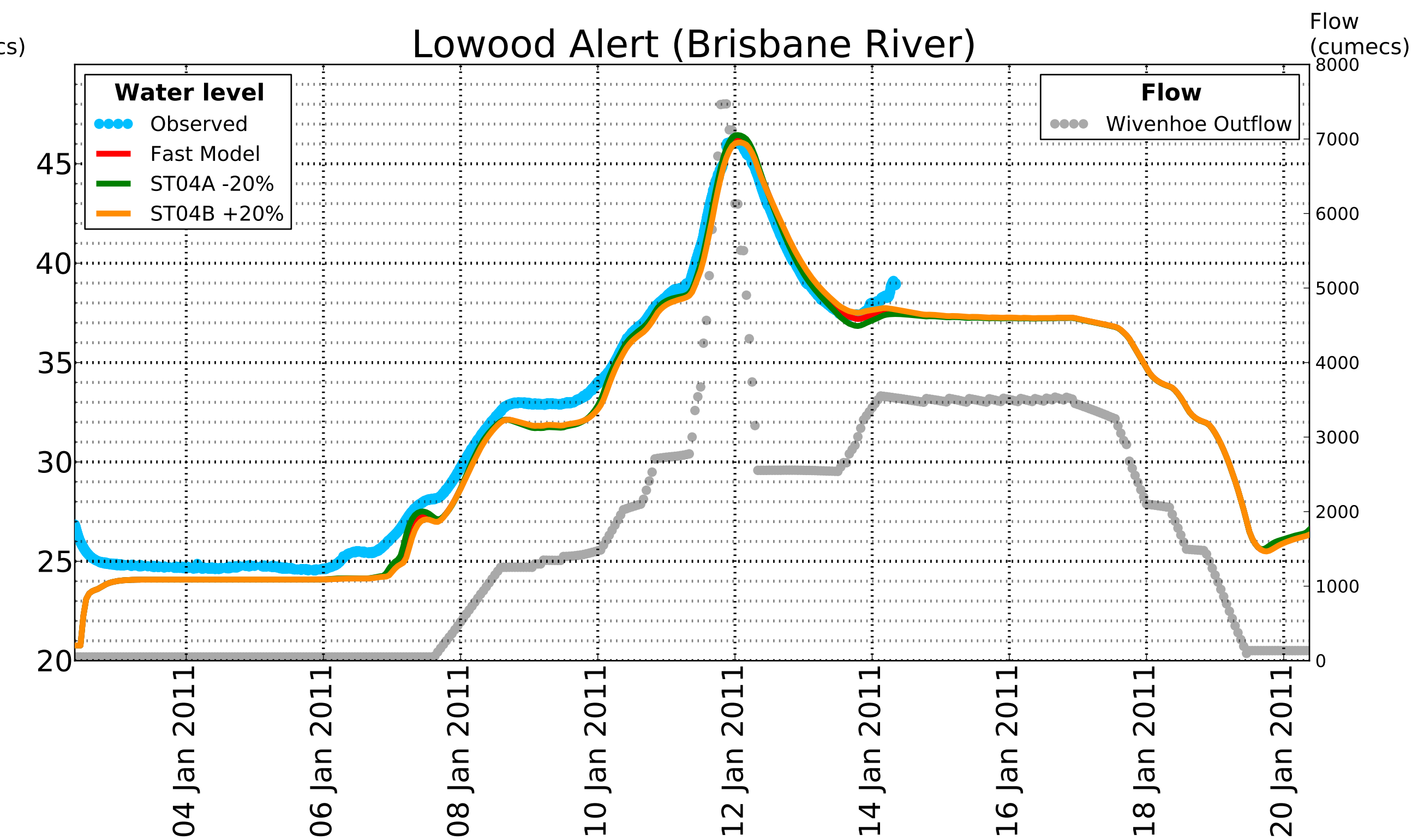
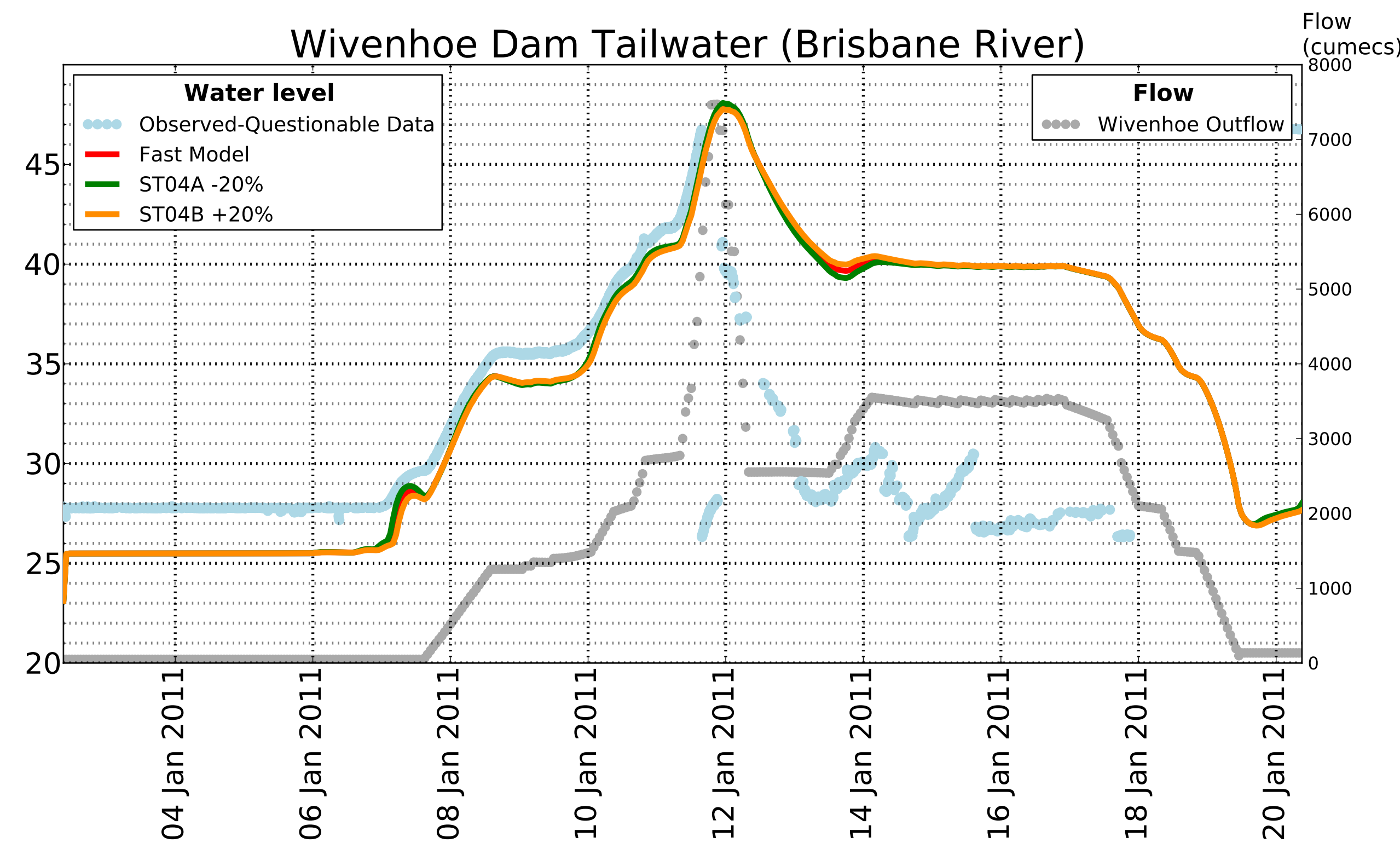
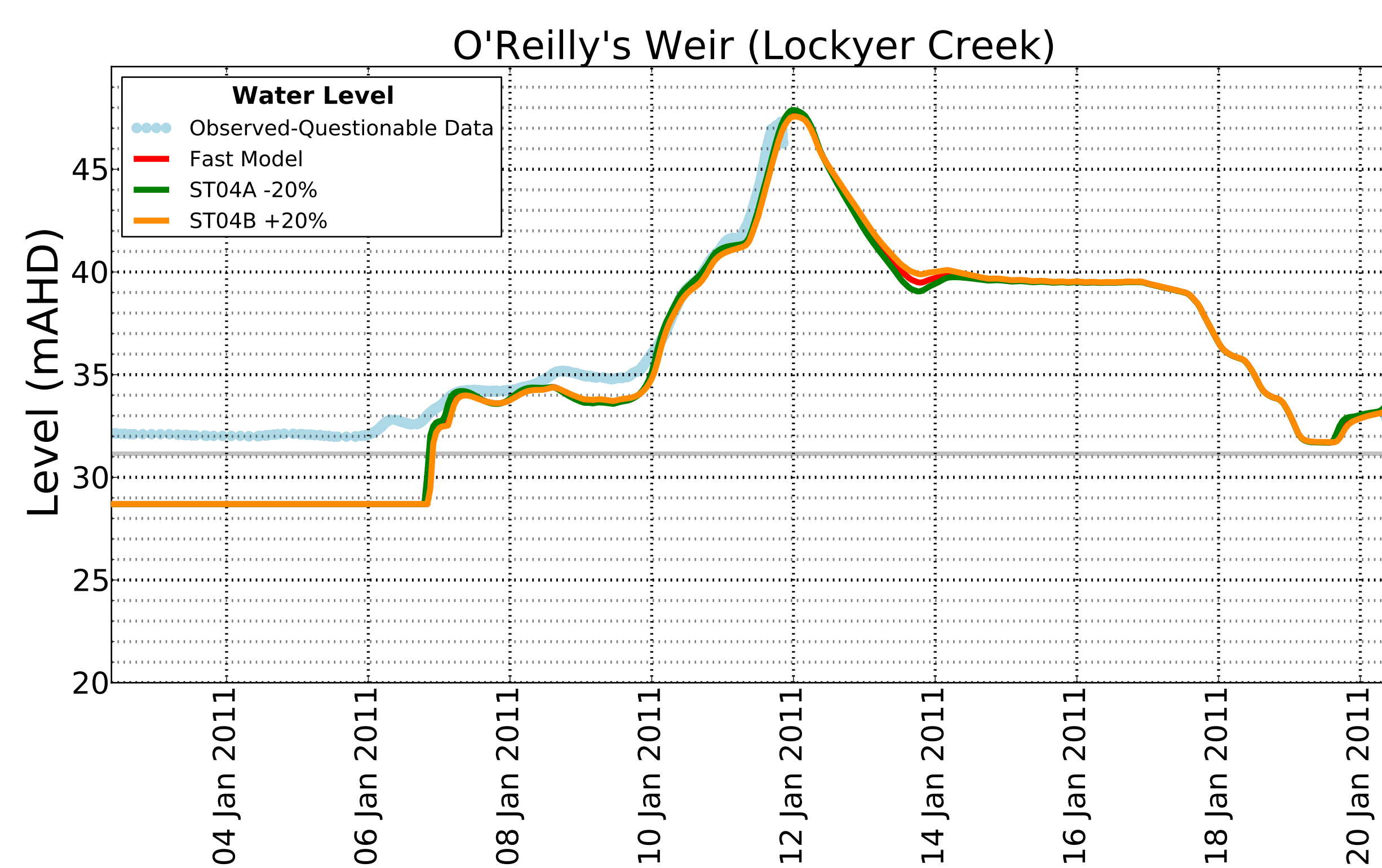
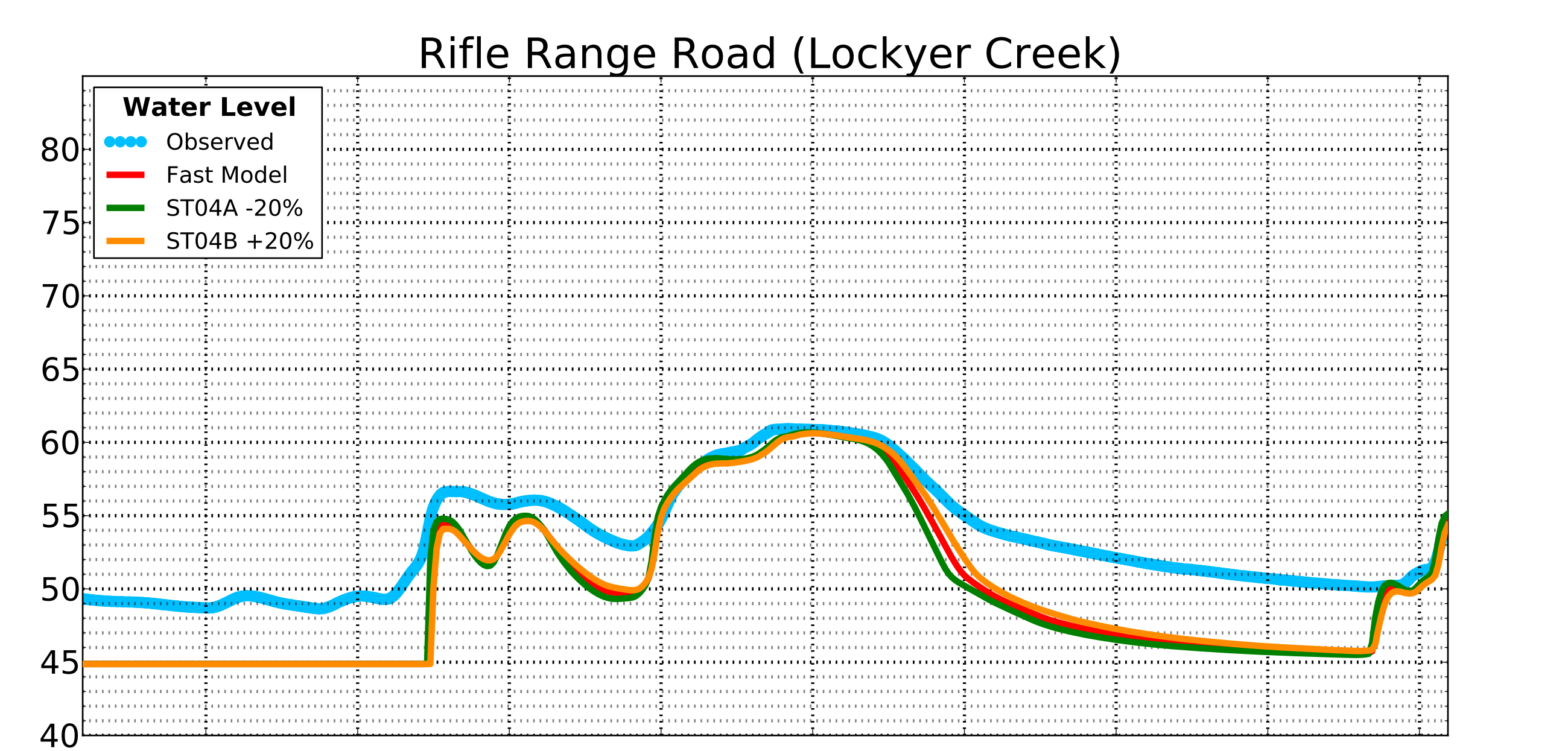
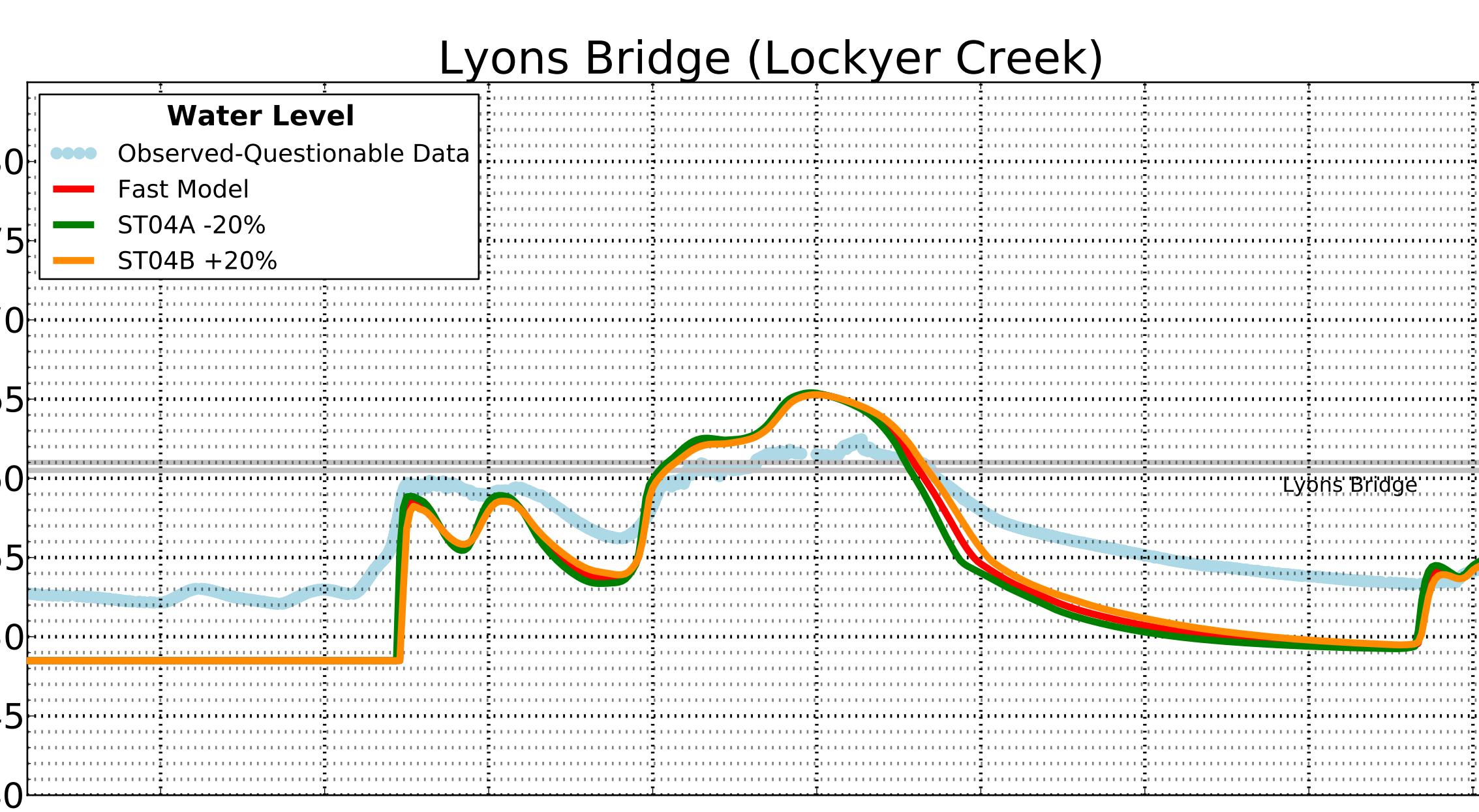
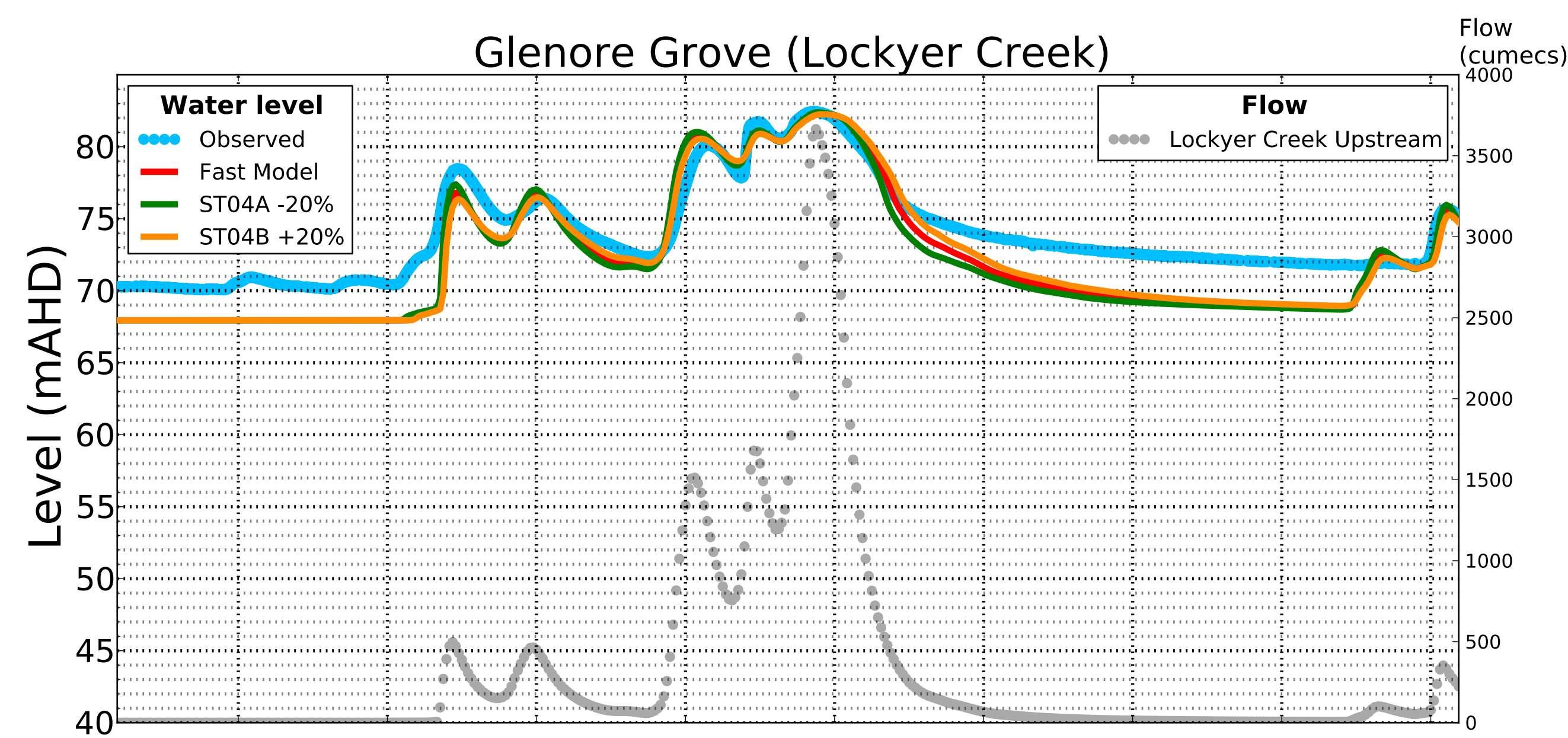
Plot 58 ST03 URBS Alpha Values $\pm 20\%$
2011 Brisbane River Longitudinal Profiles

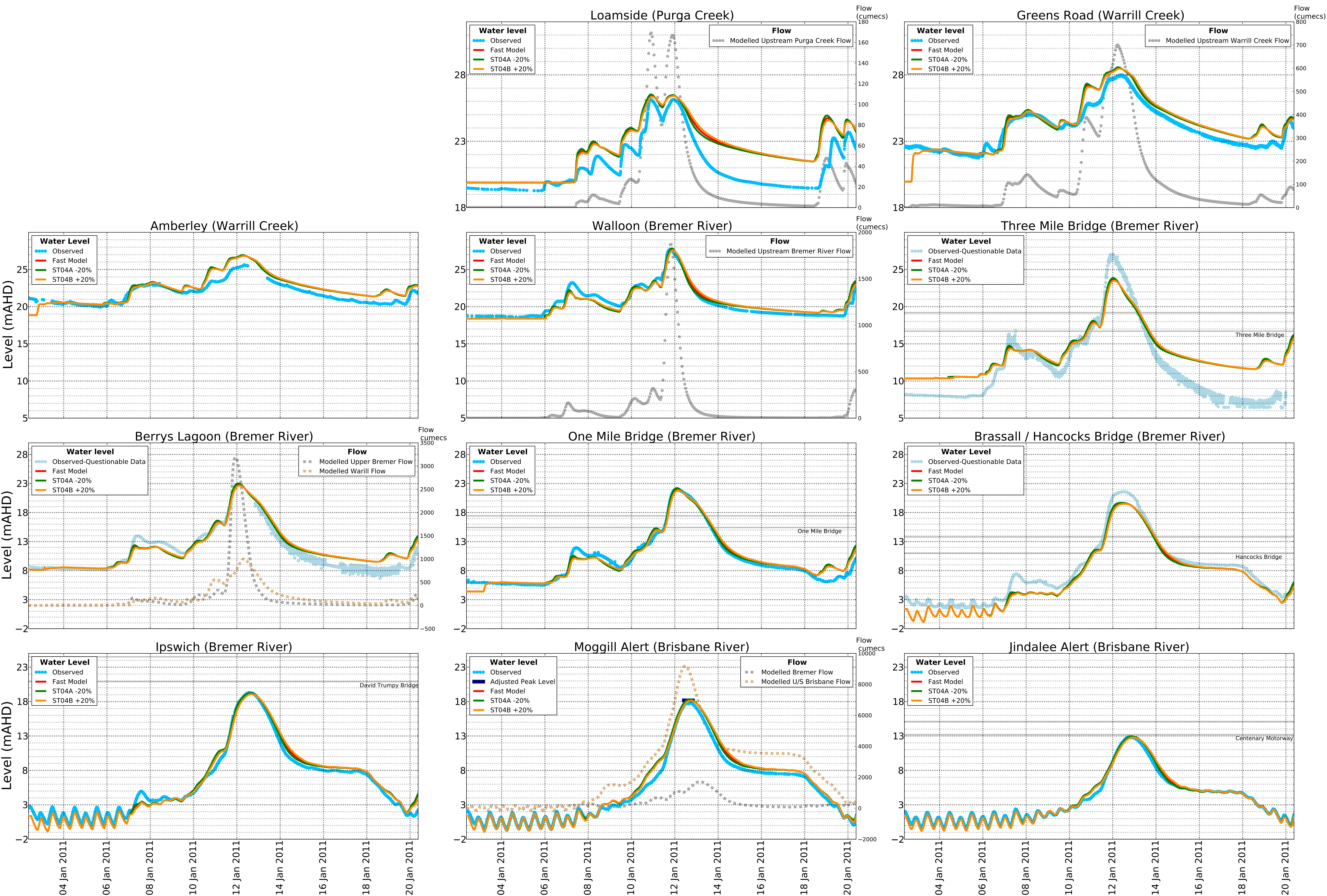


Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 59 ST03 URBS Alpha Values $\pm 20\%$
2011 Lockyer / Bremer Longitudinal Profiles

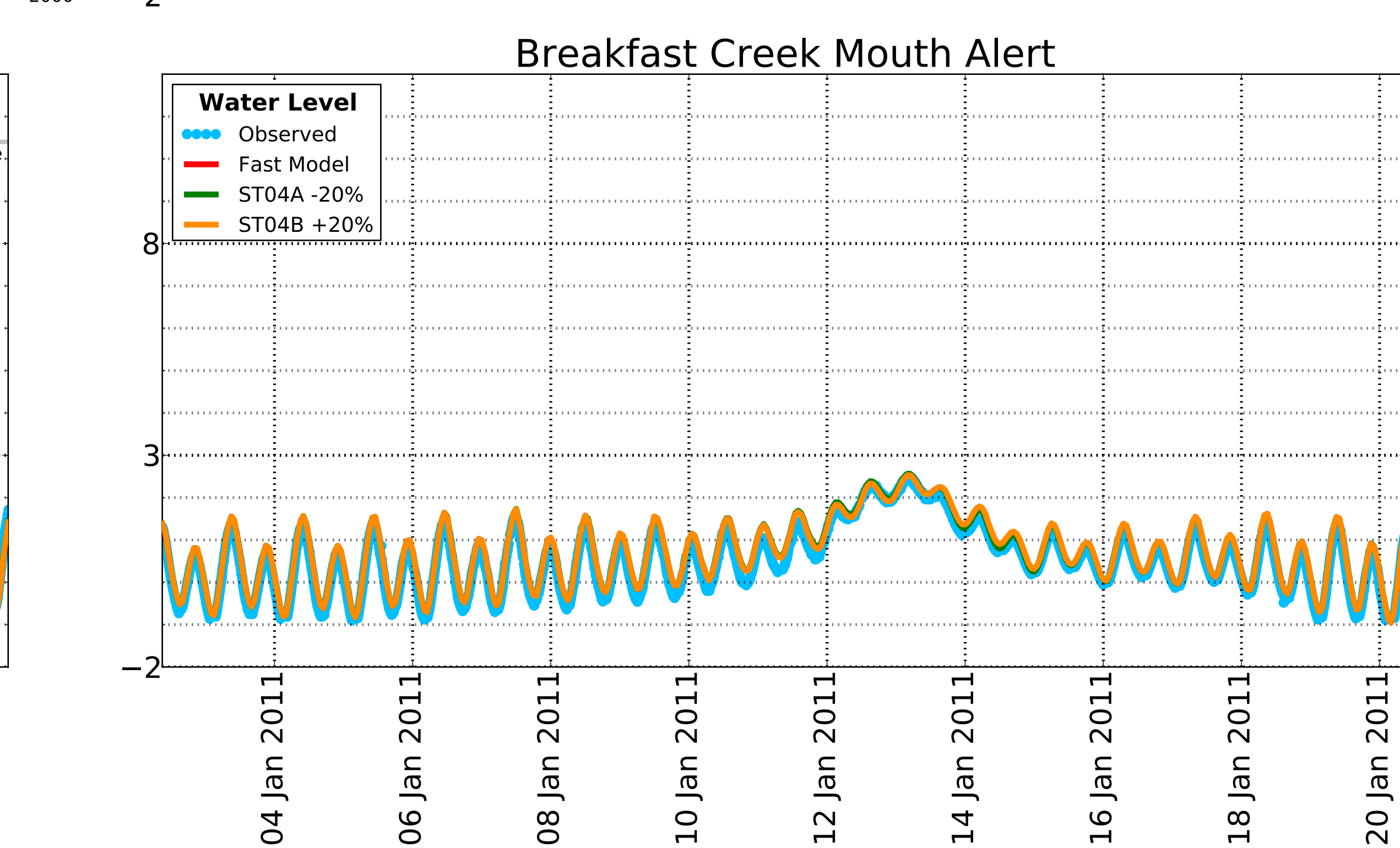
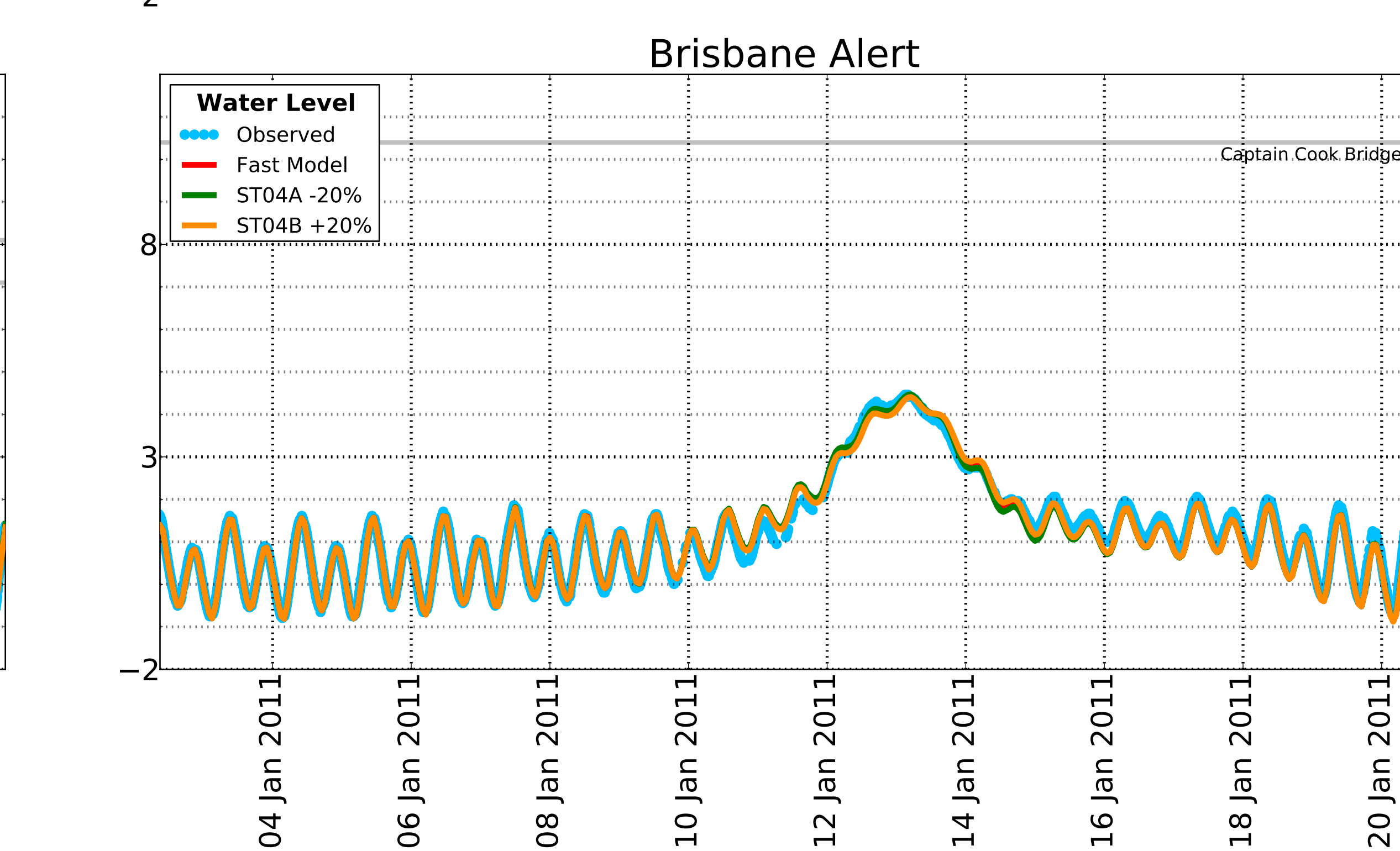
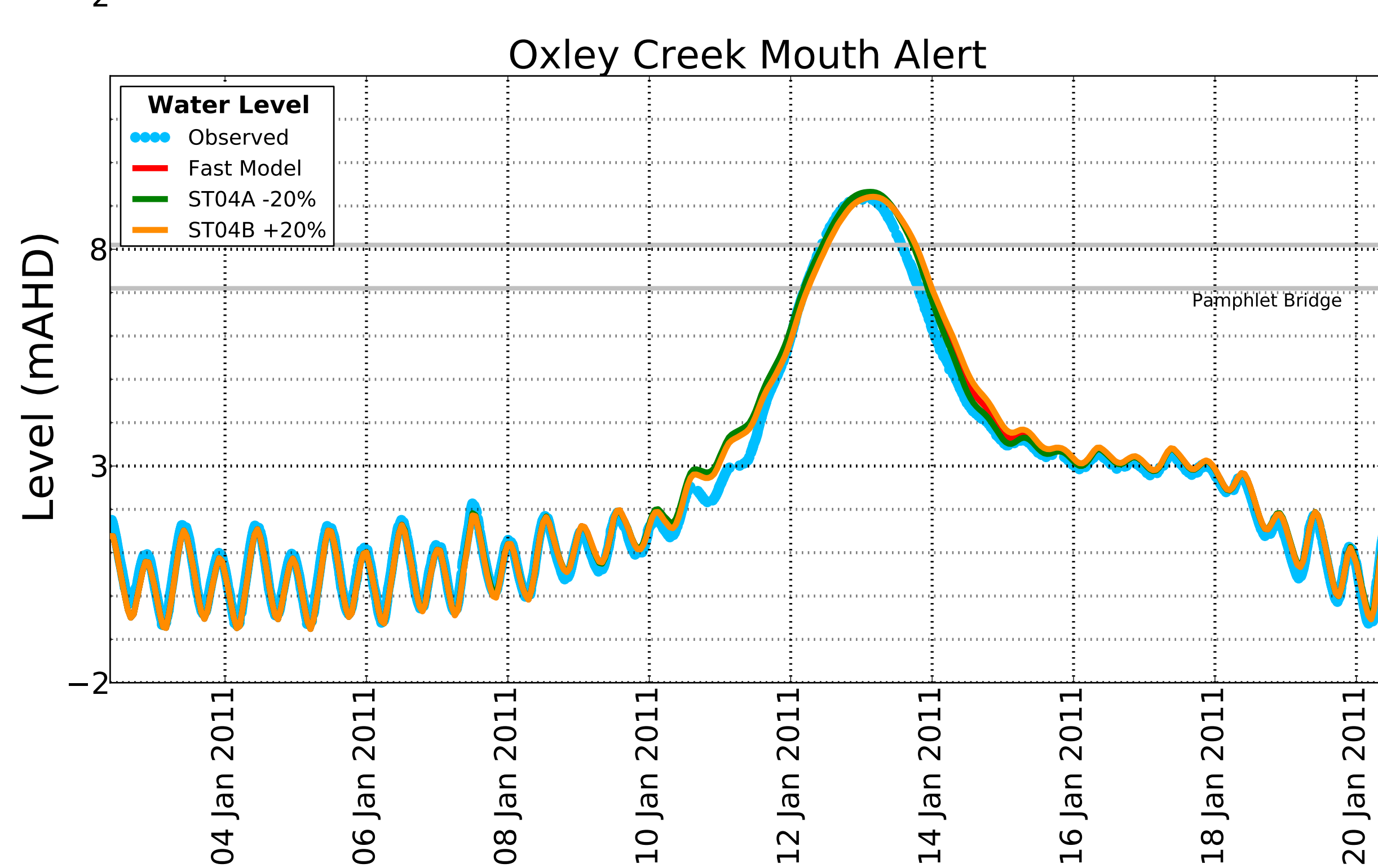
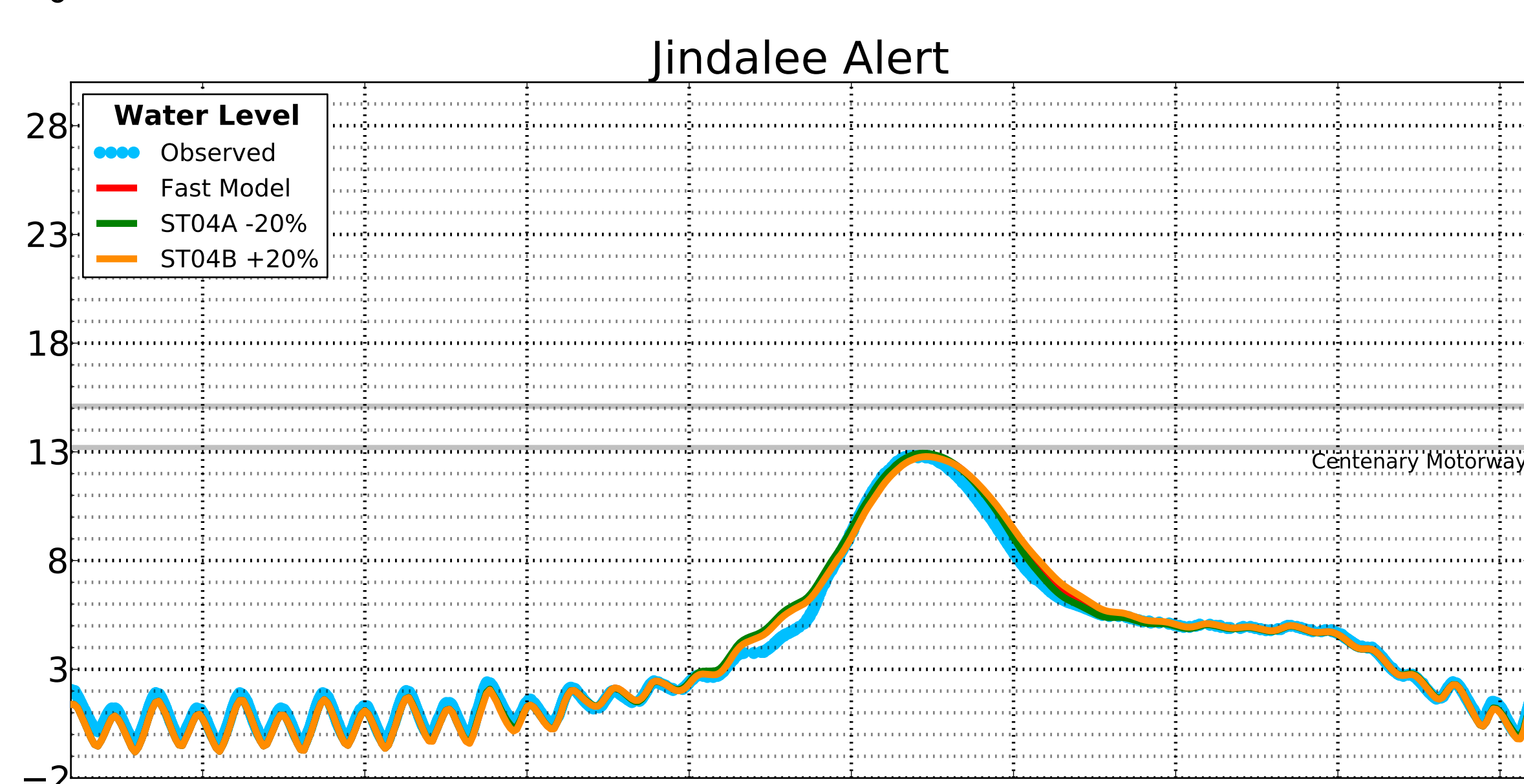
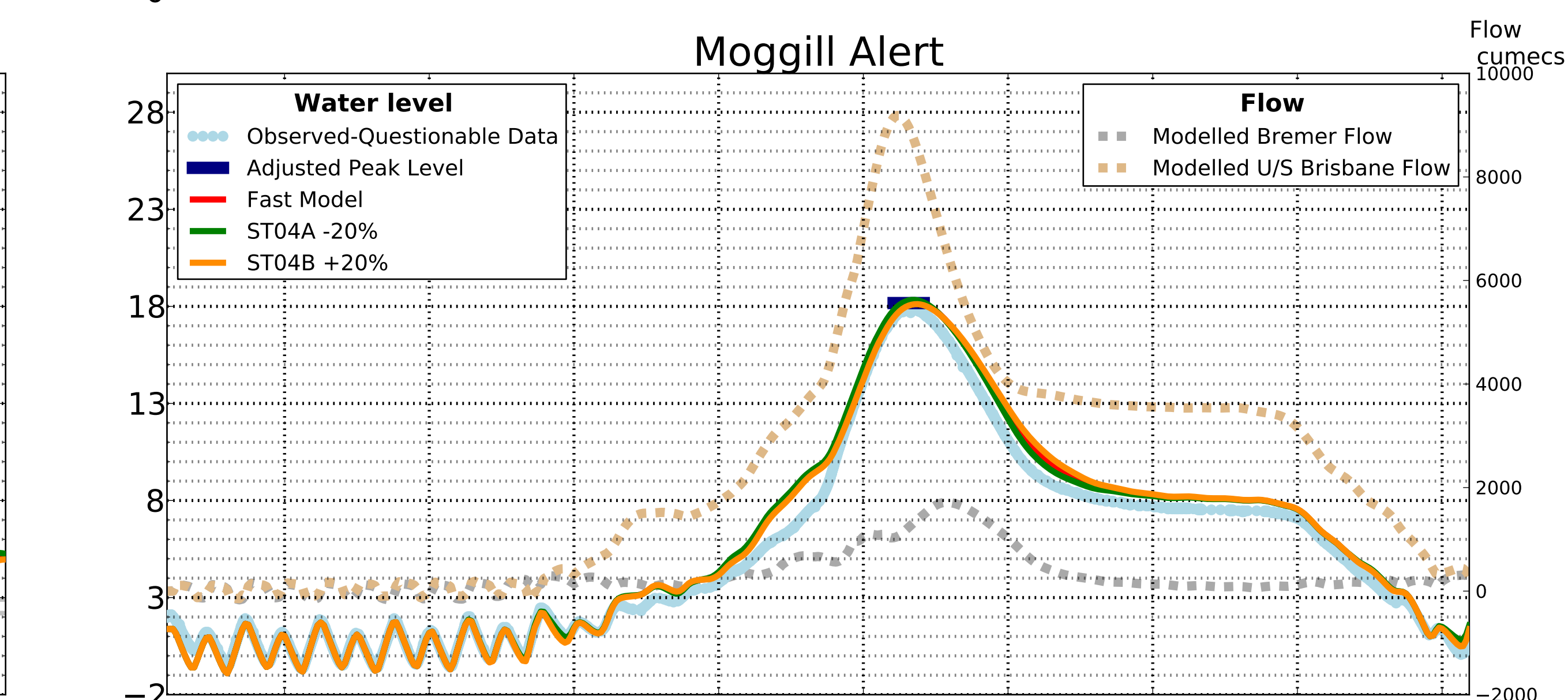
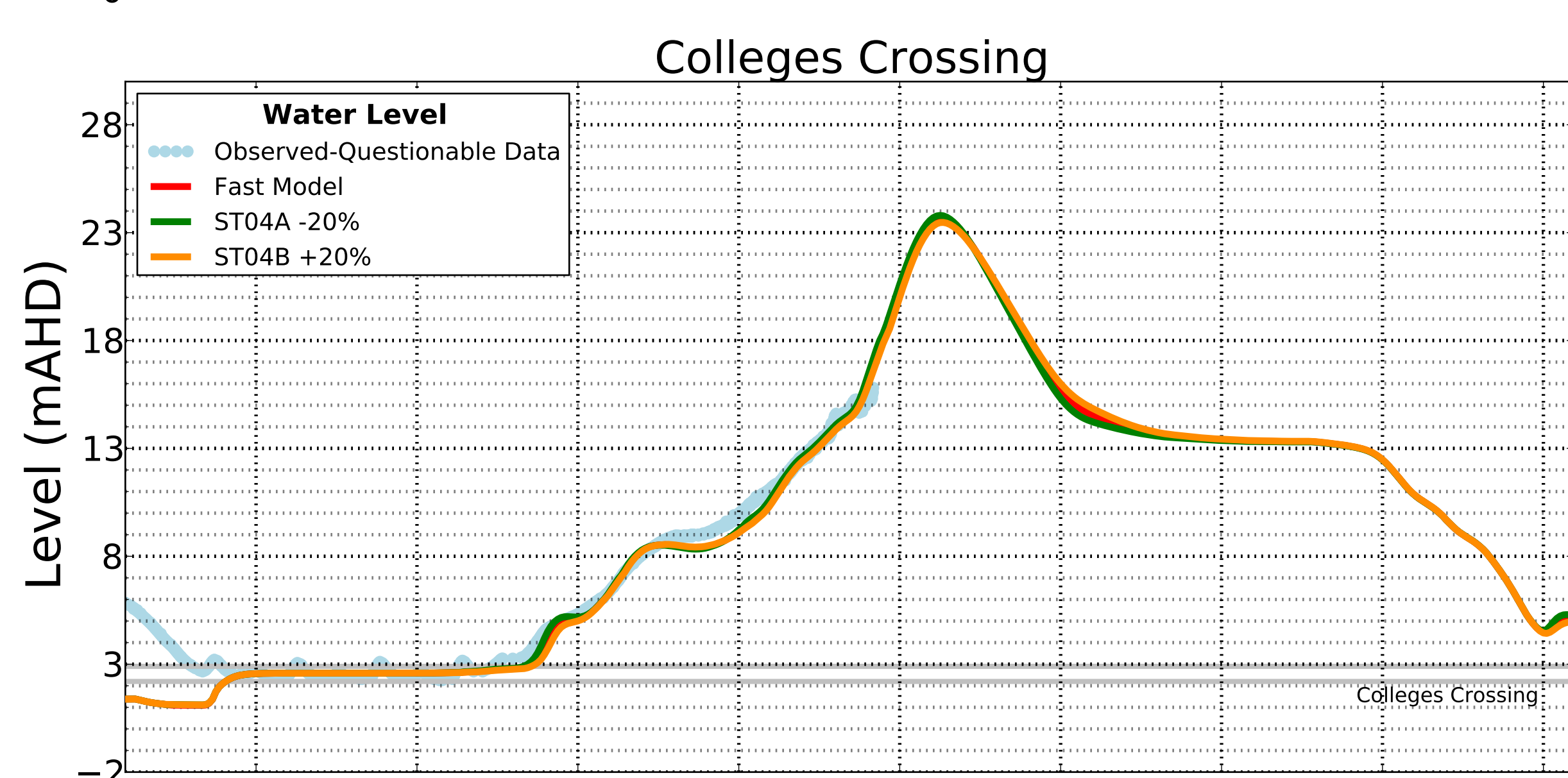
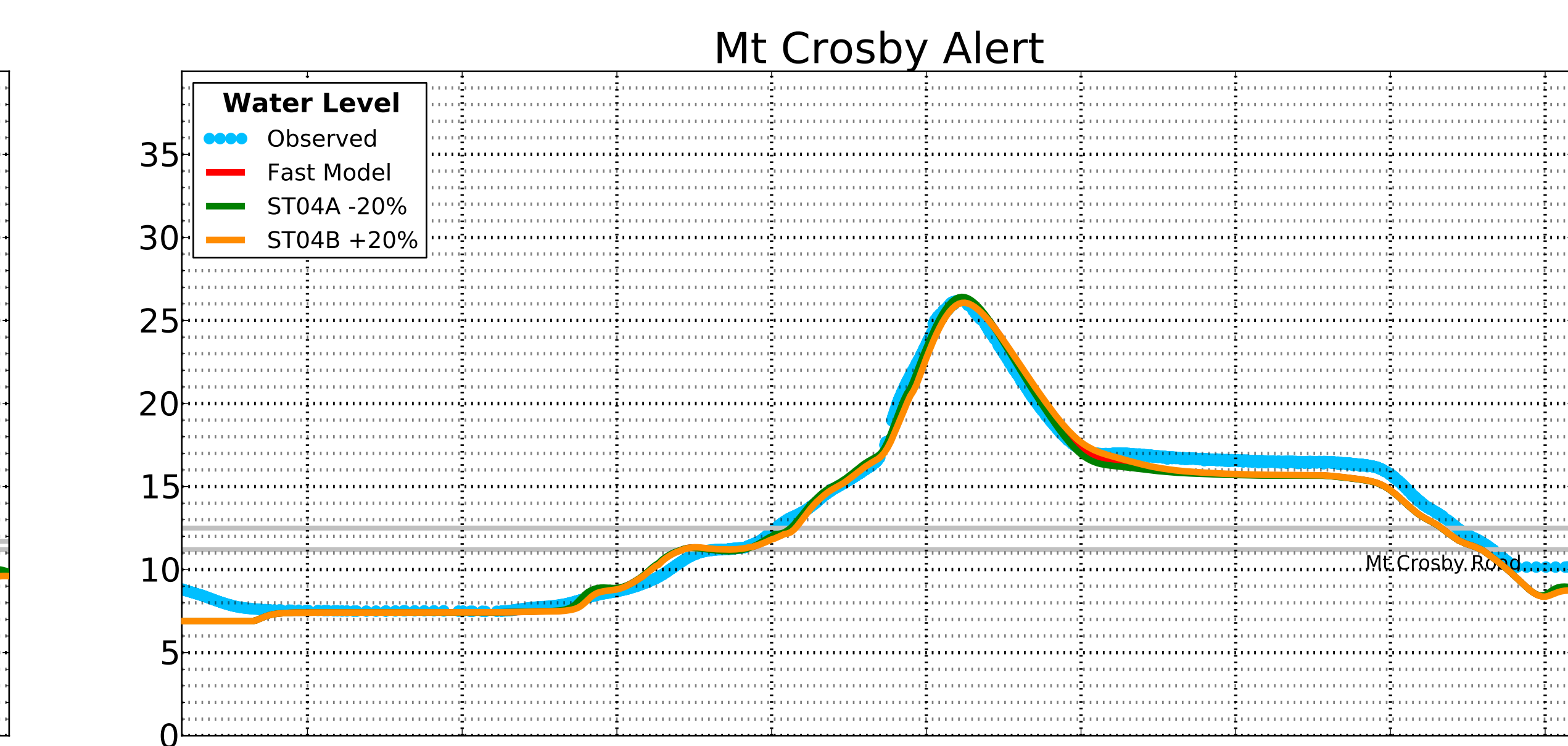
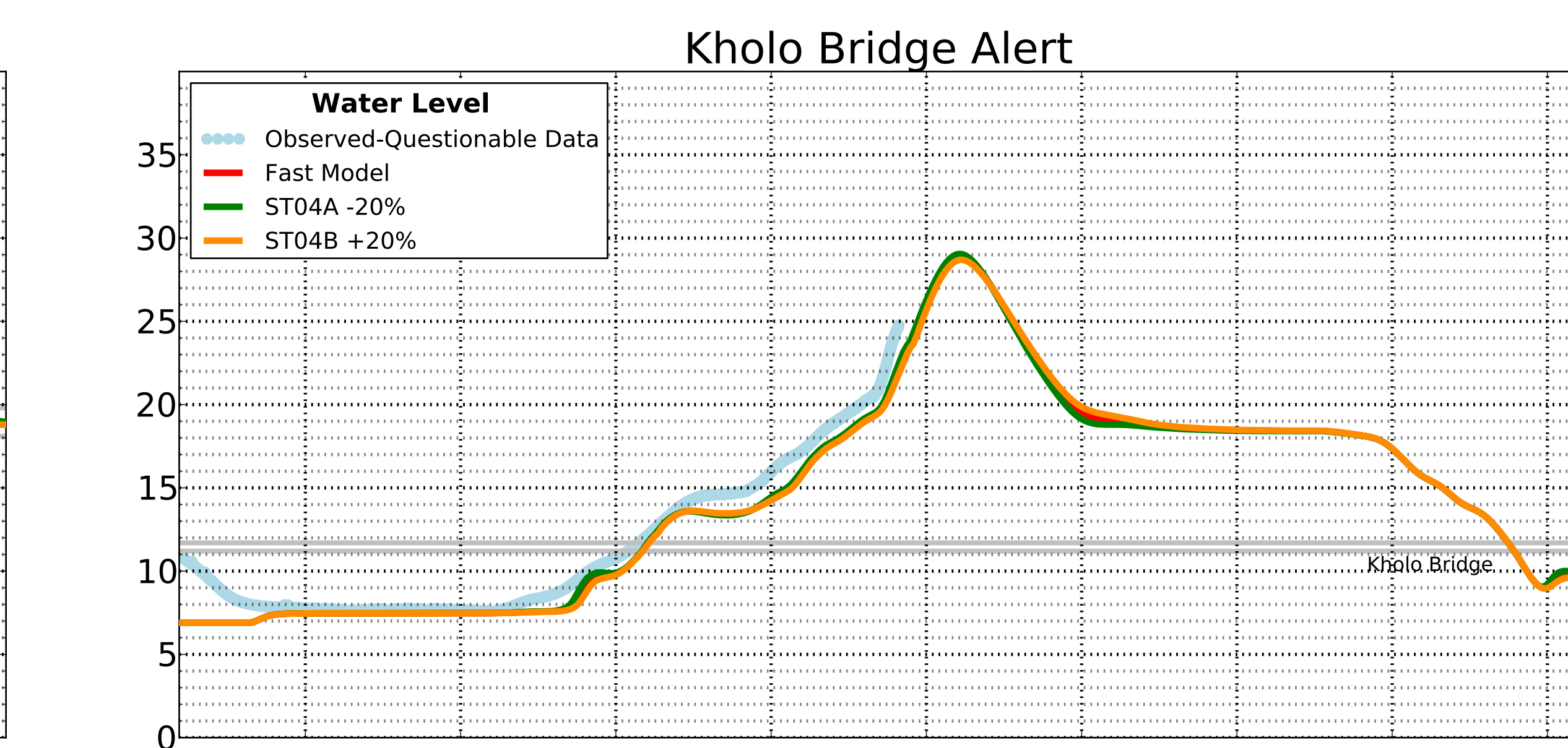
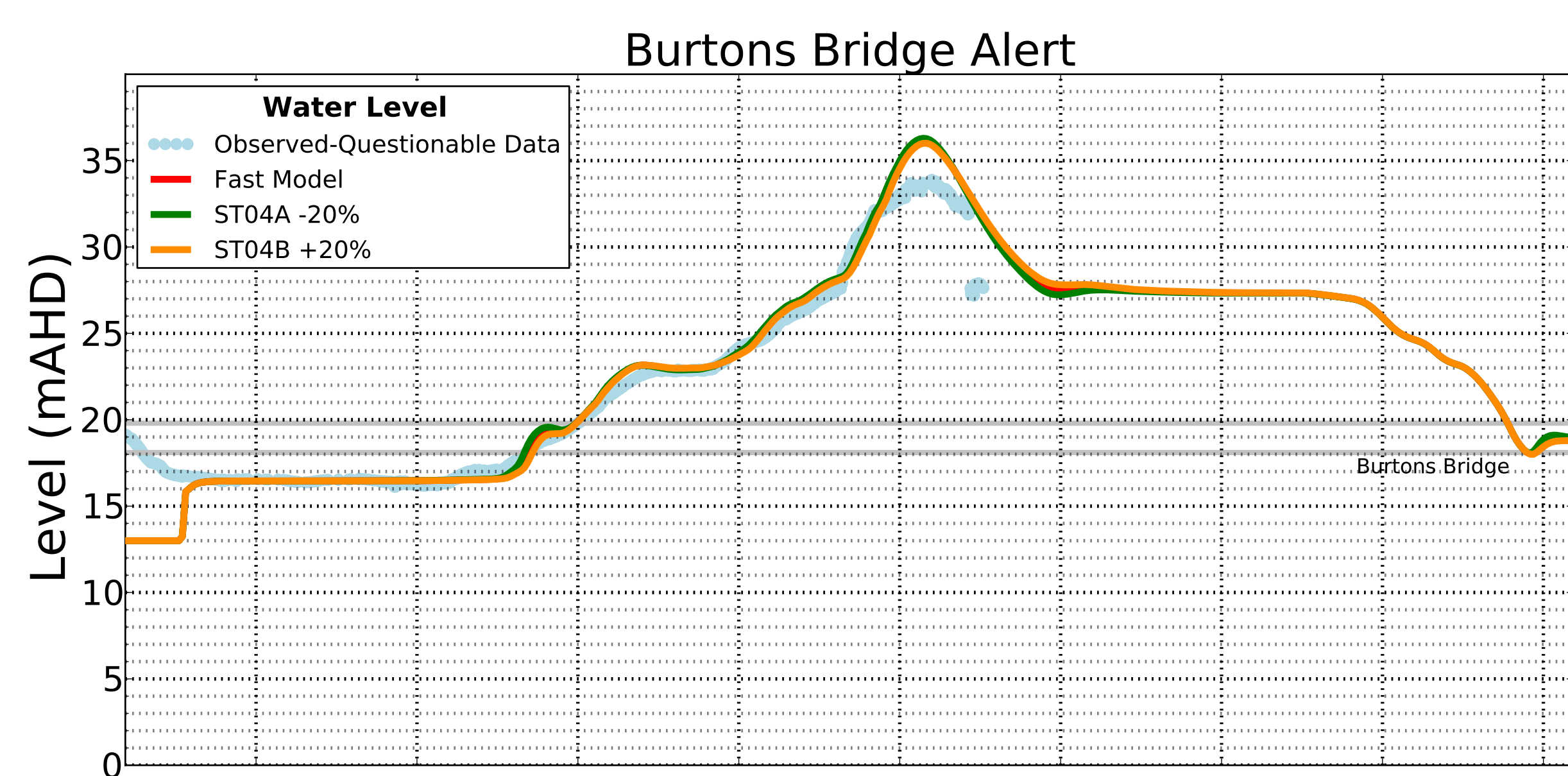
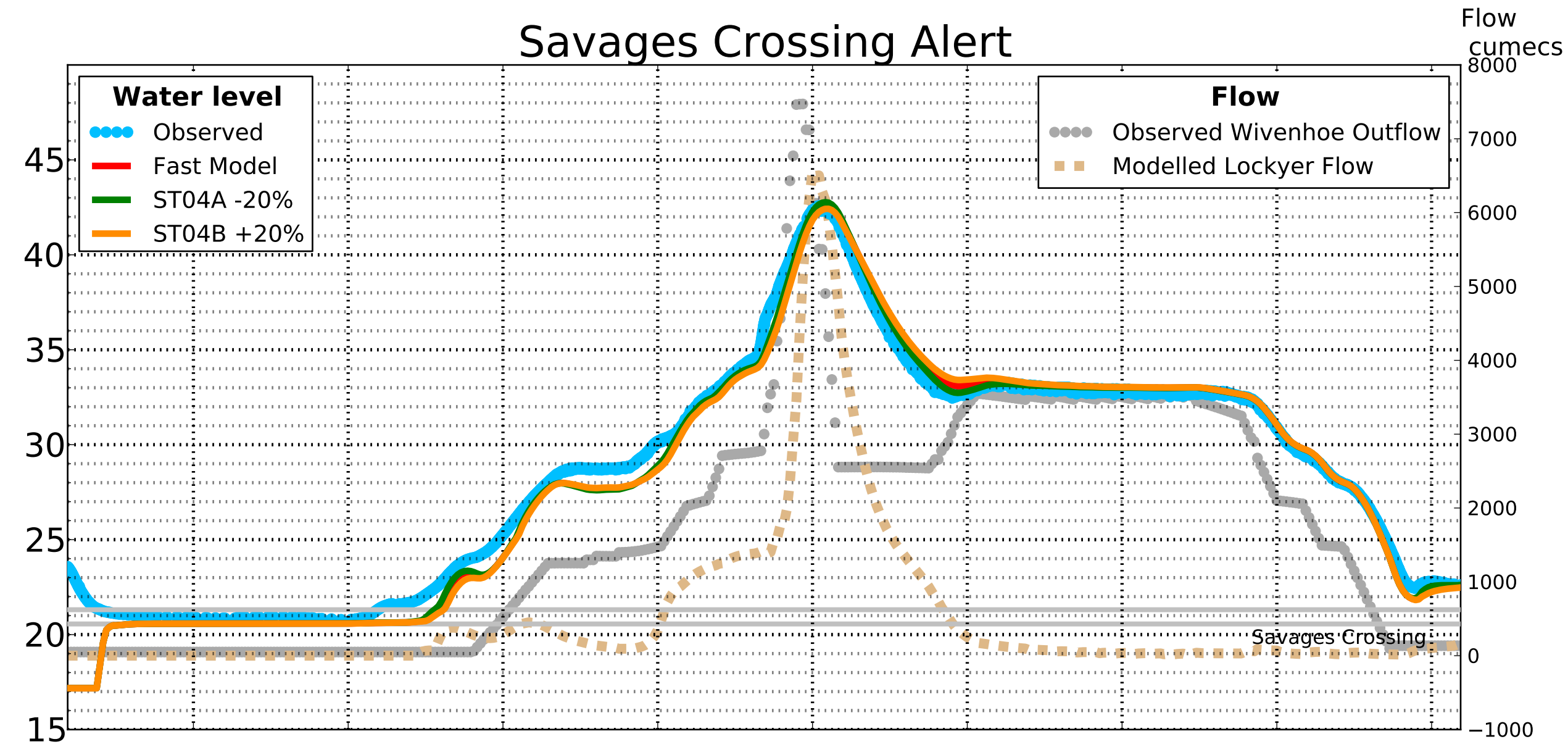
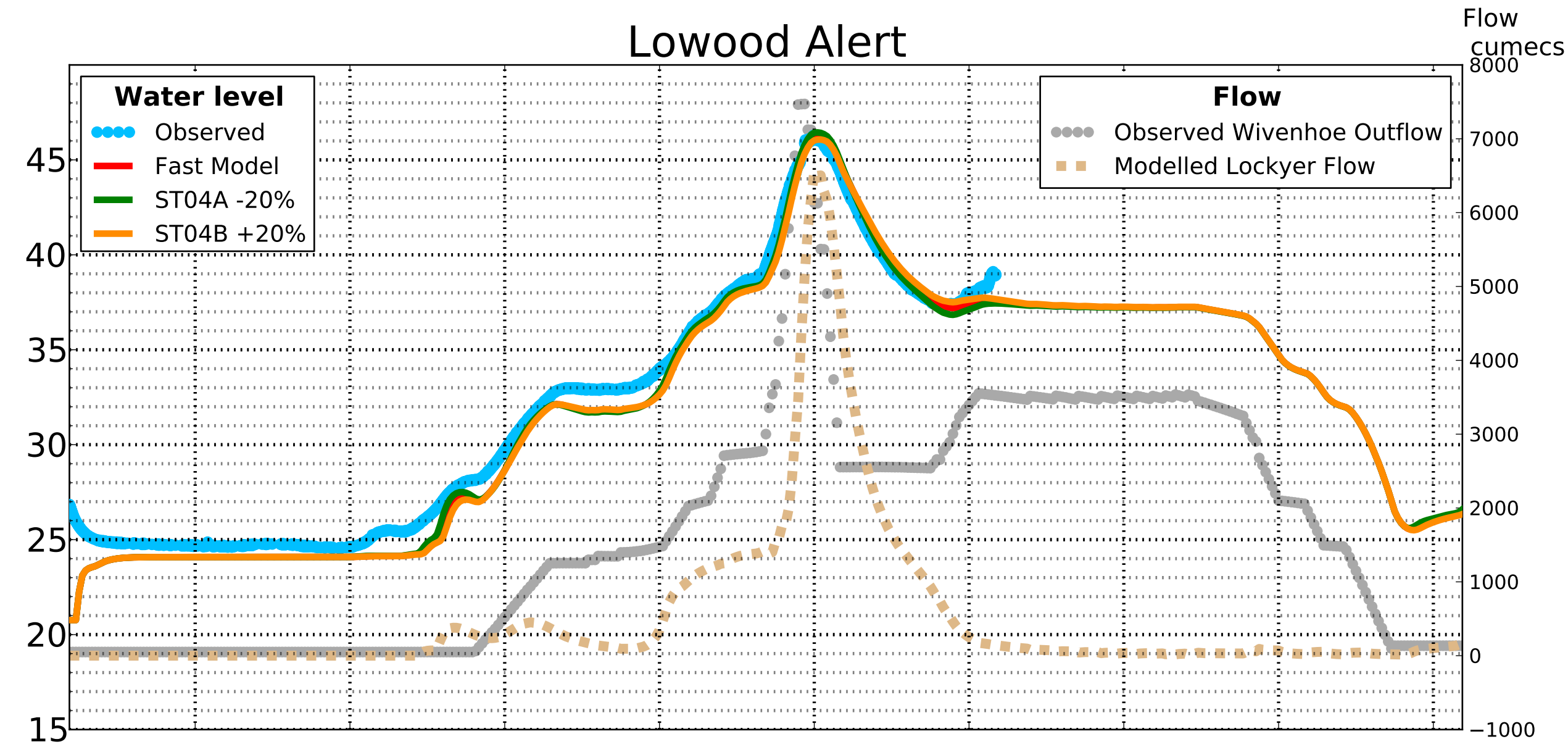
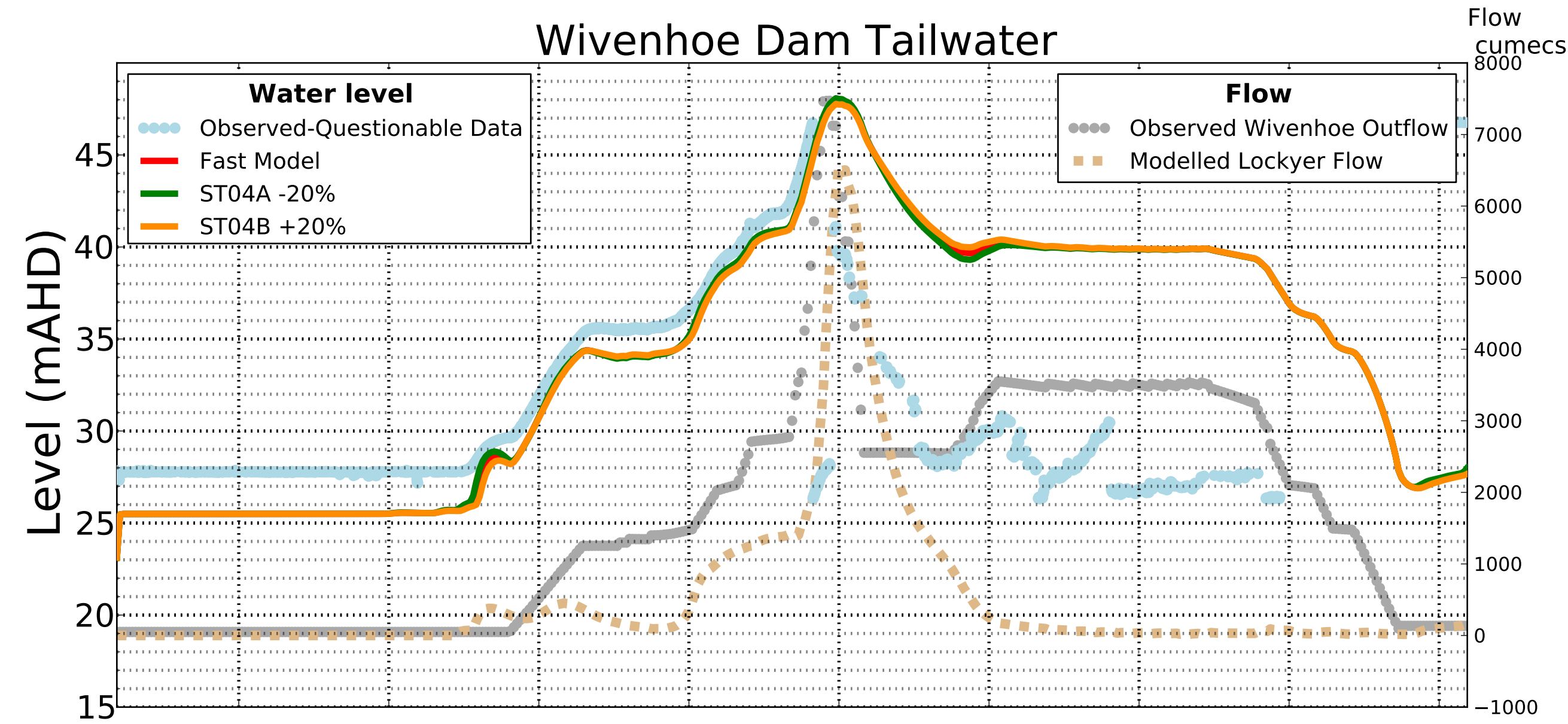


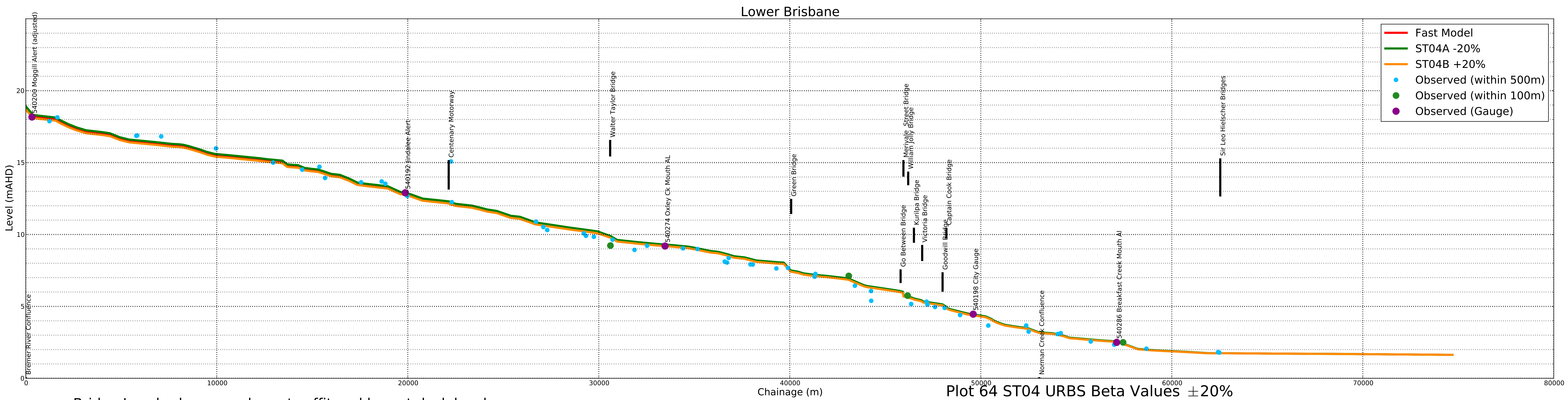
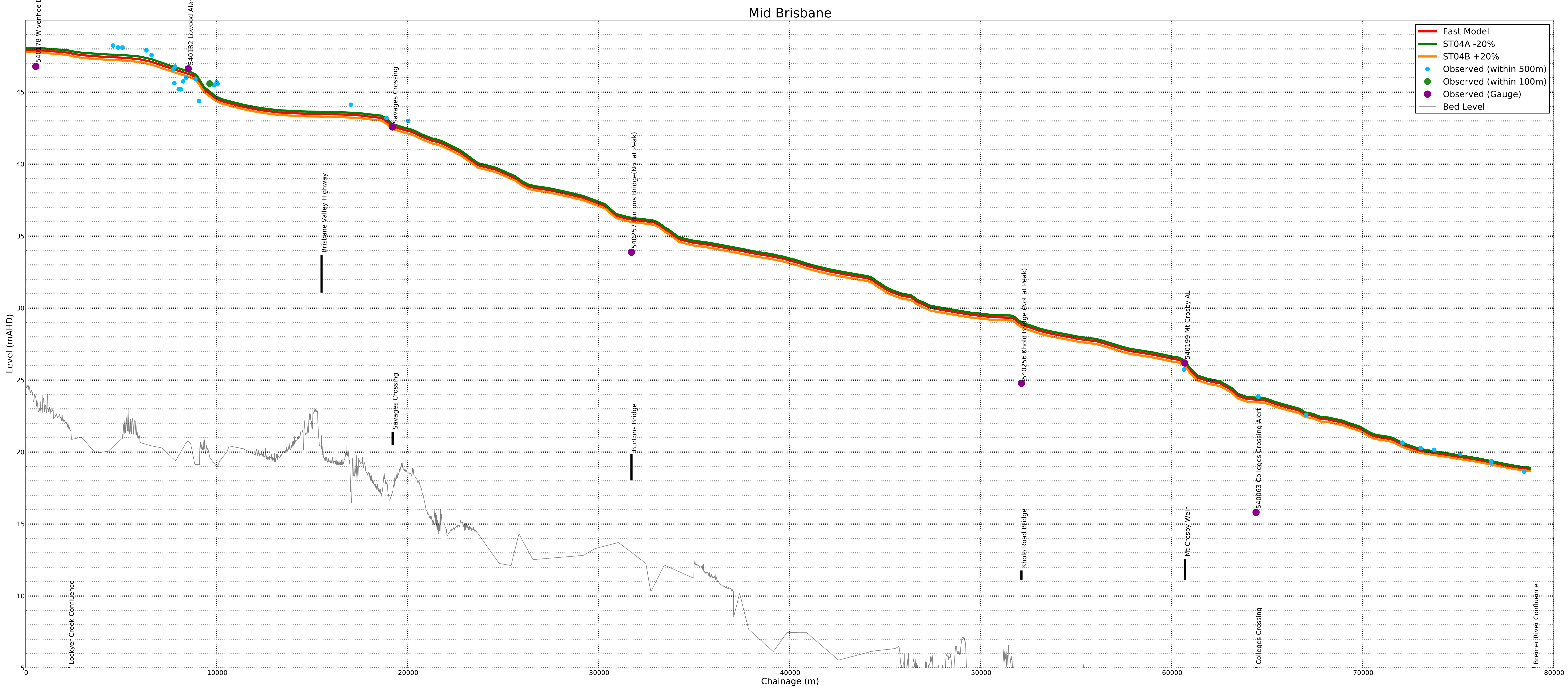




Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

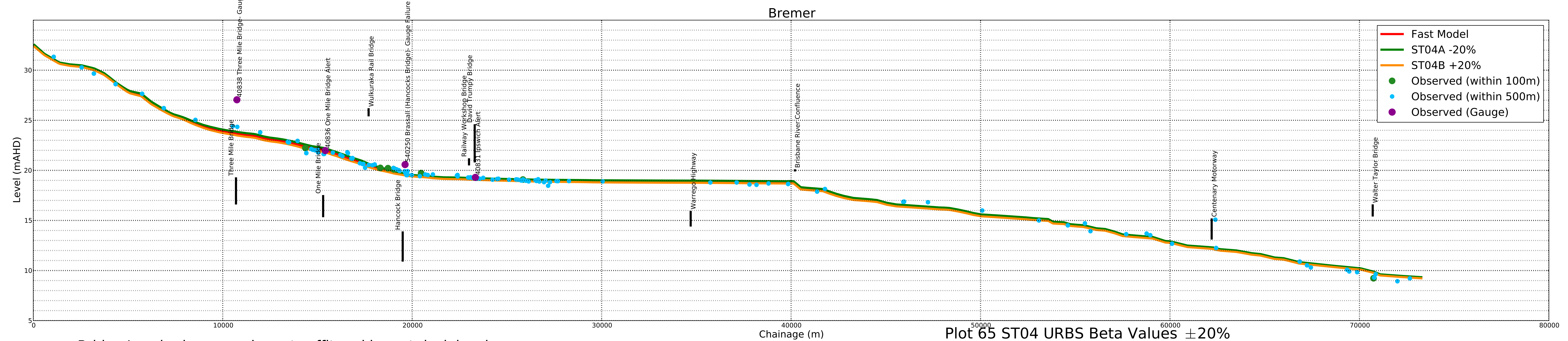
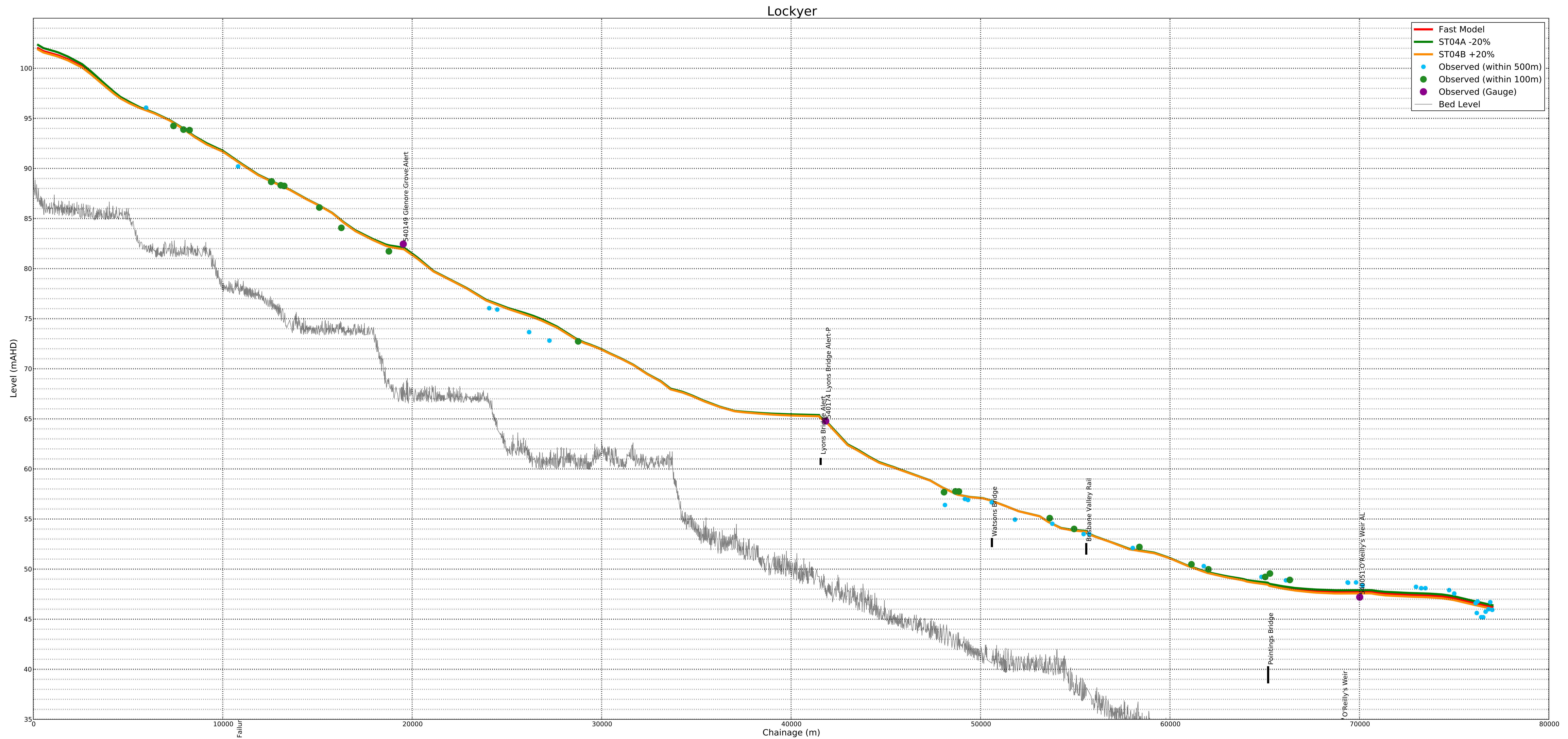
Plot 62 ST04 URBS Beta Values $\pm 20\%$
2011 Bremer River Water Level Gauges





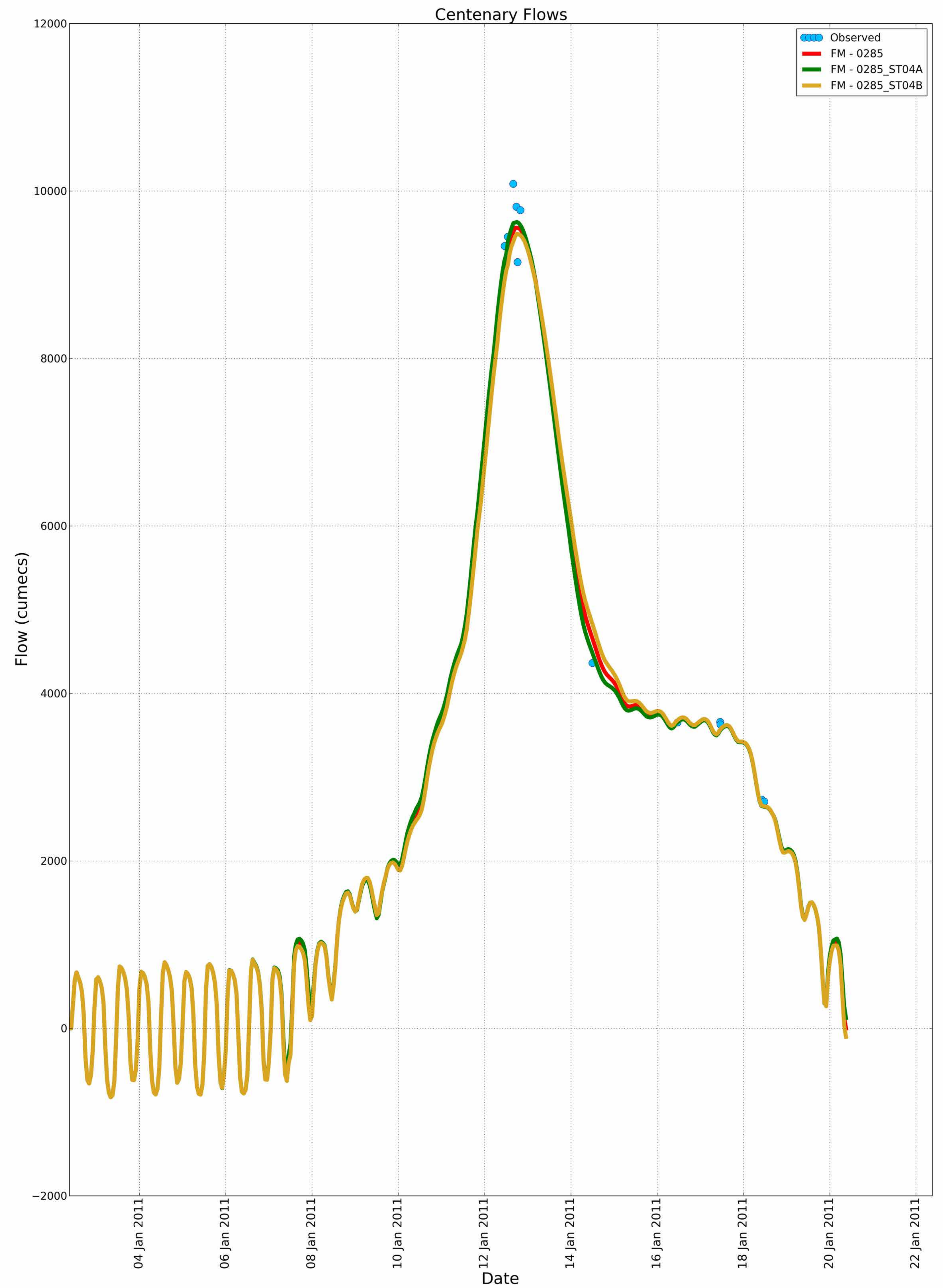
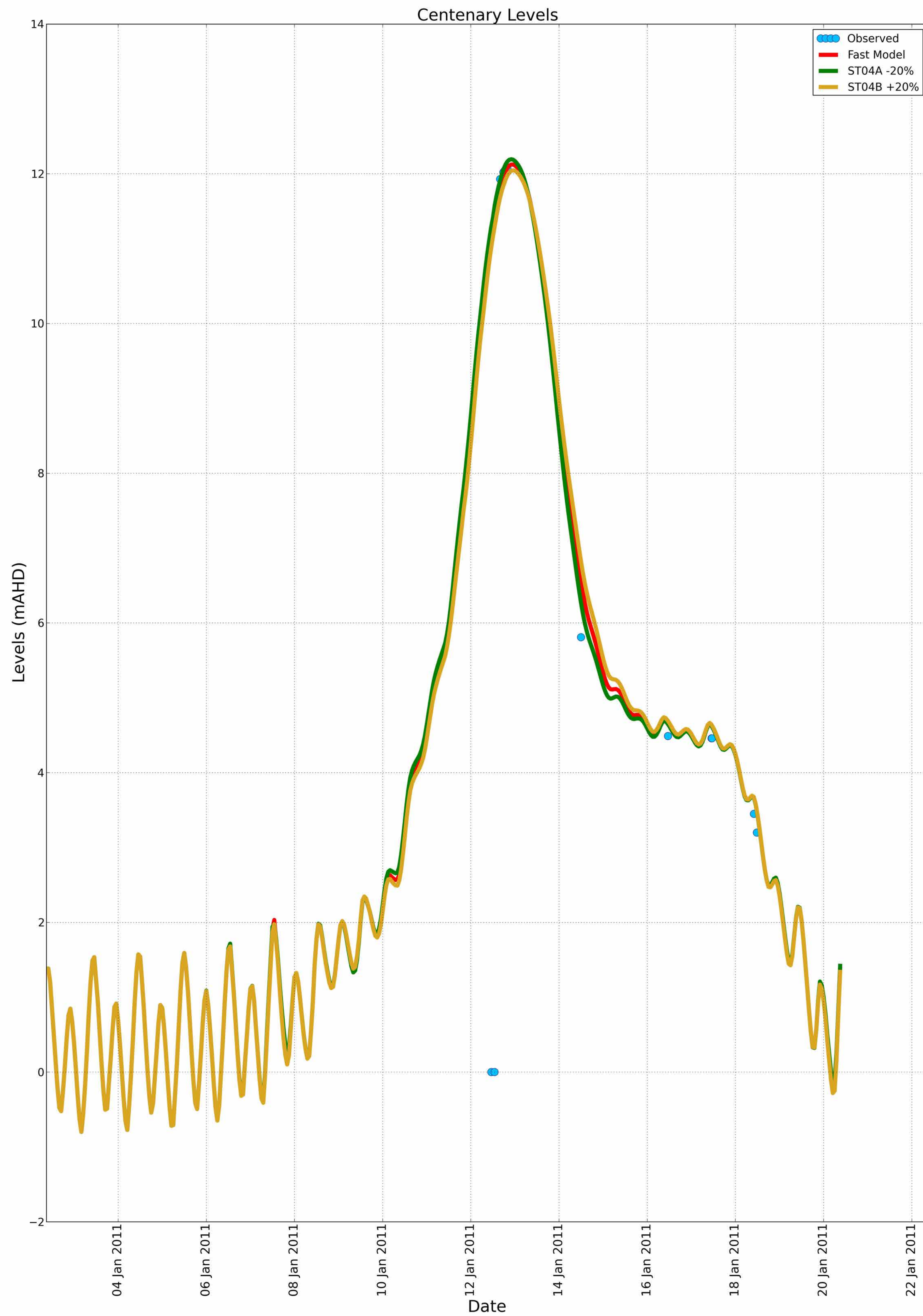
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

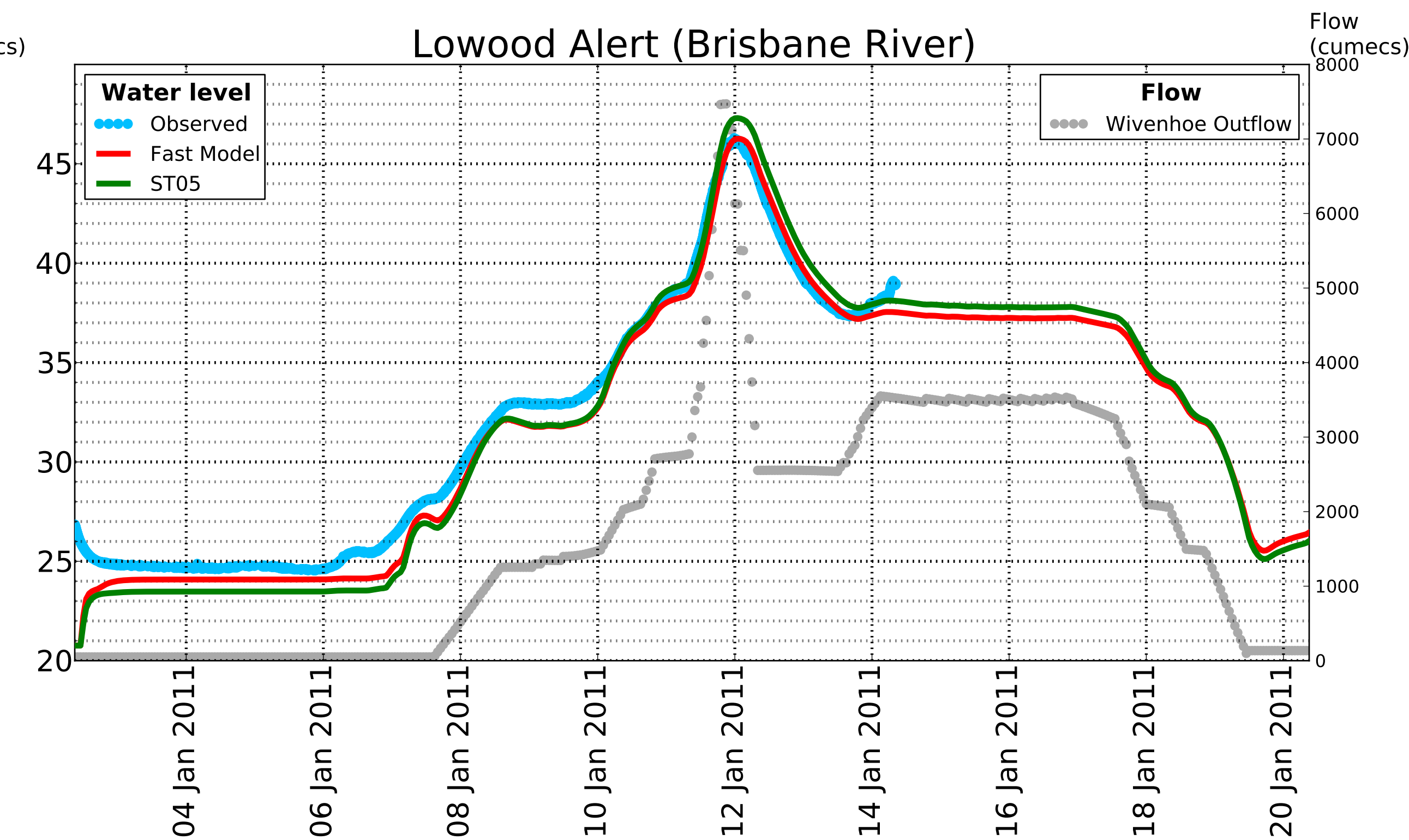
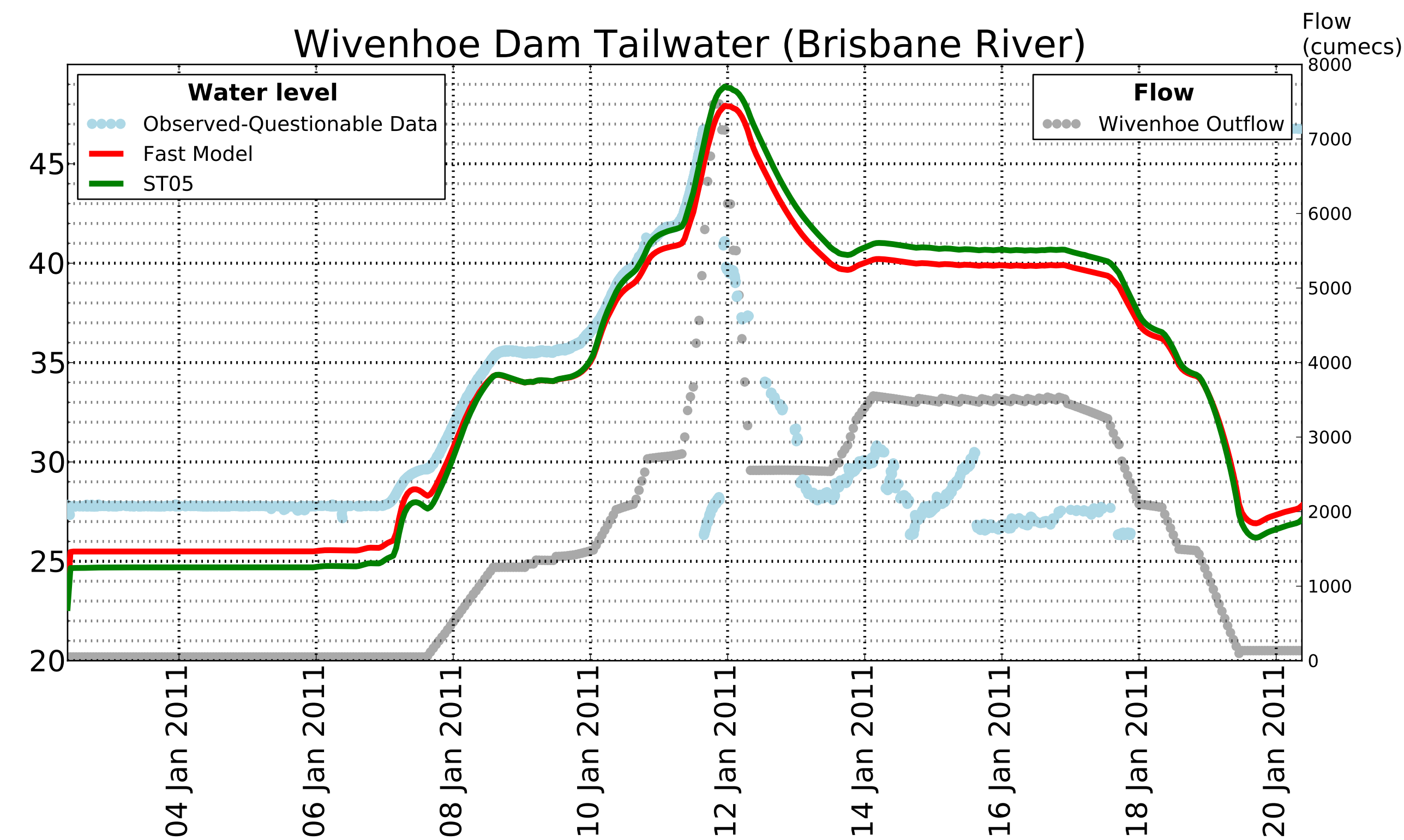
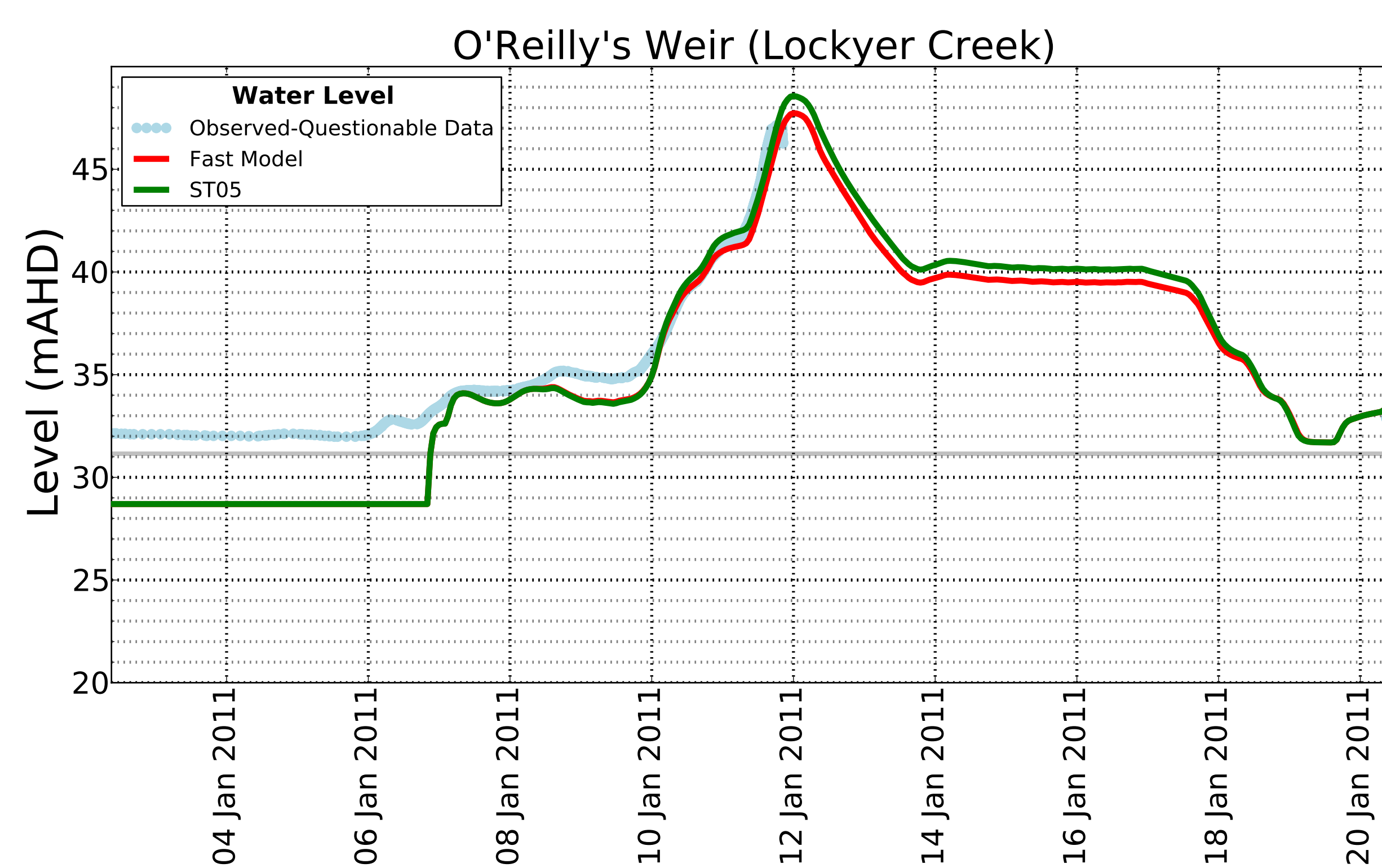
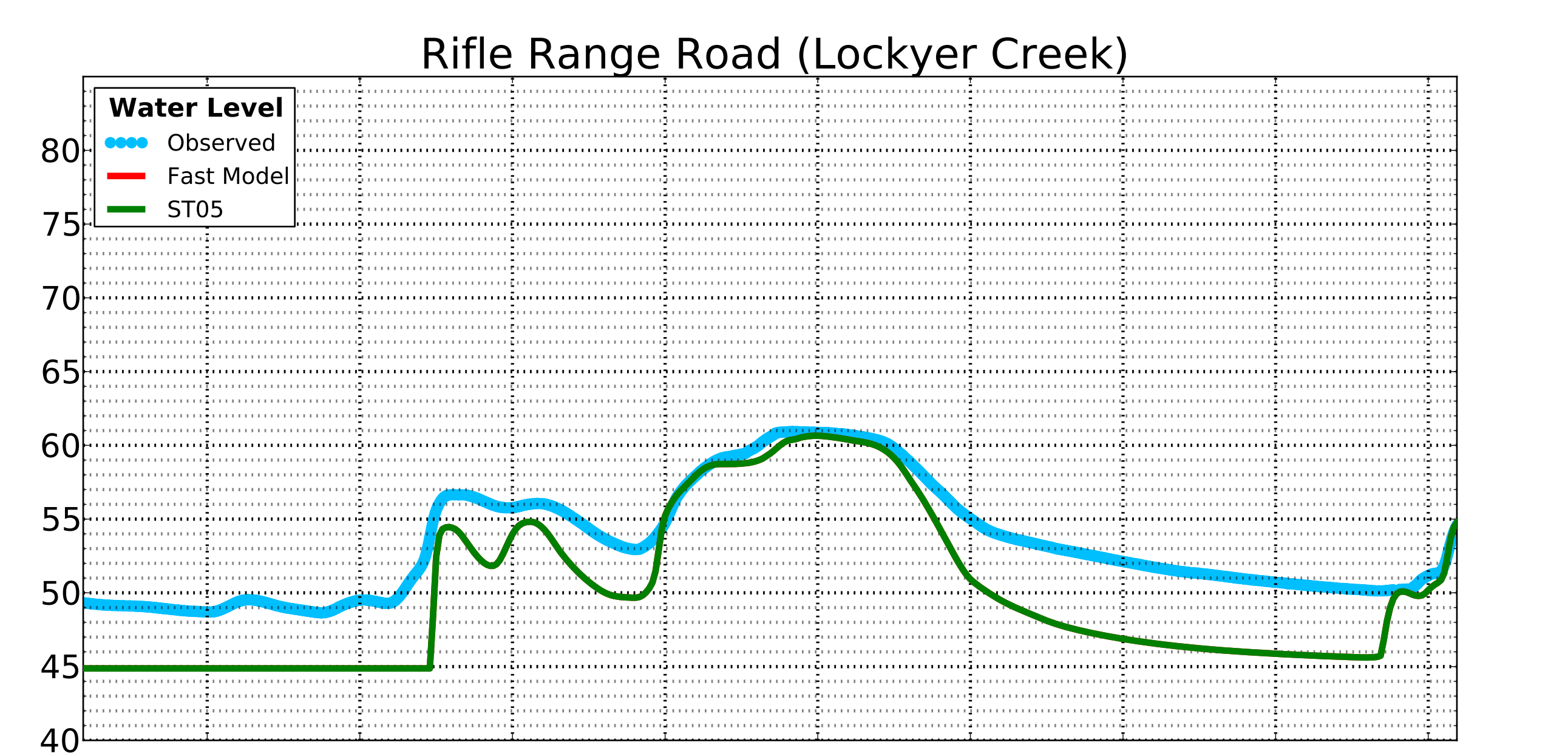
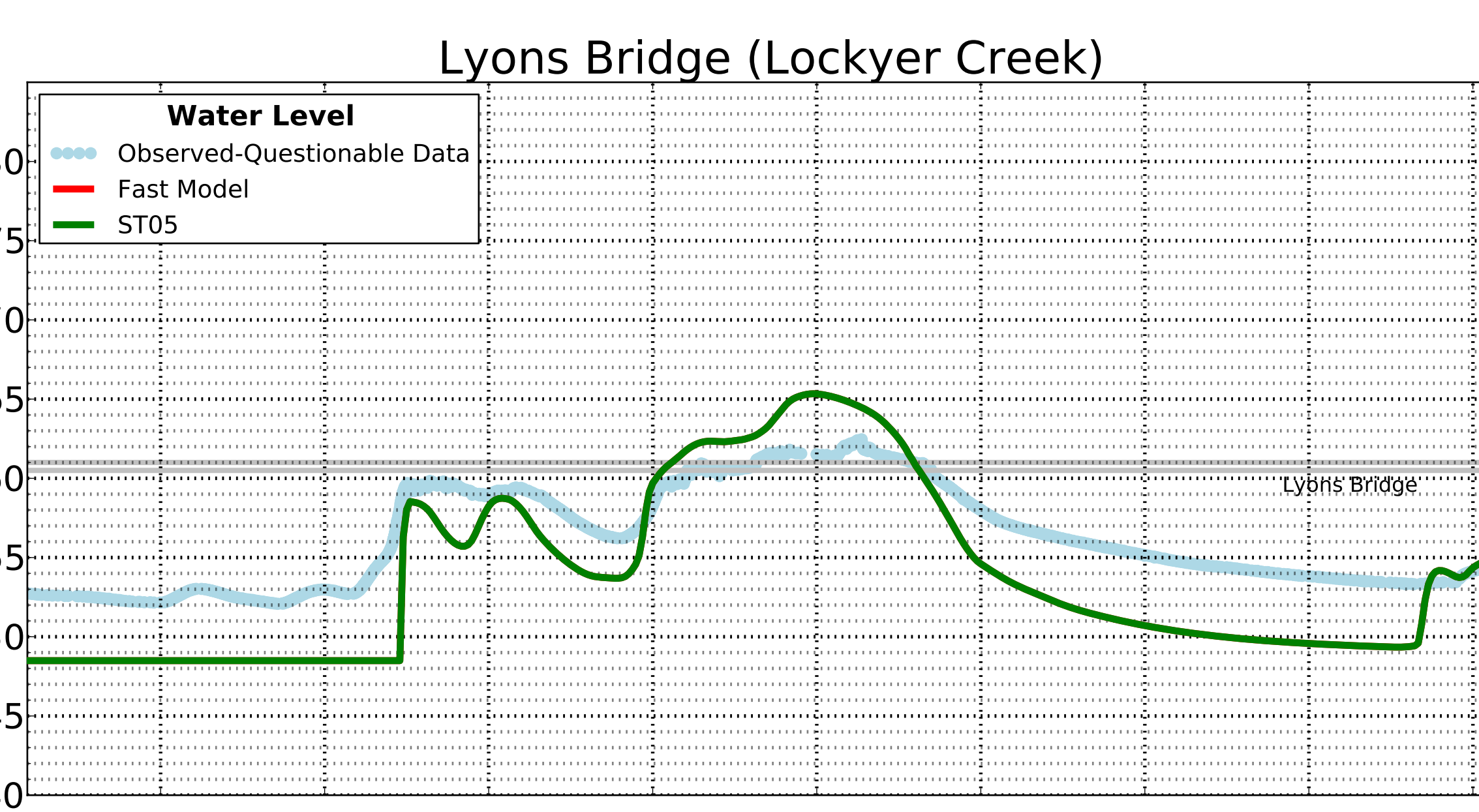
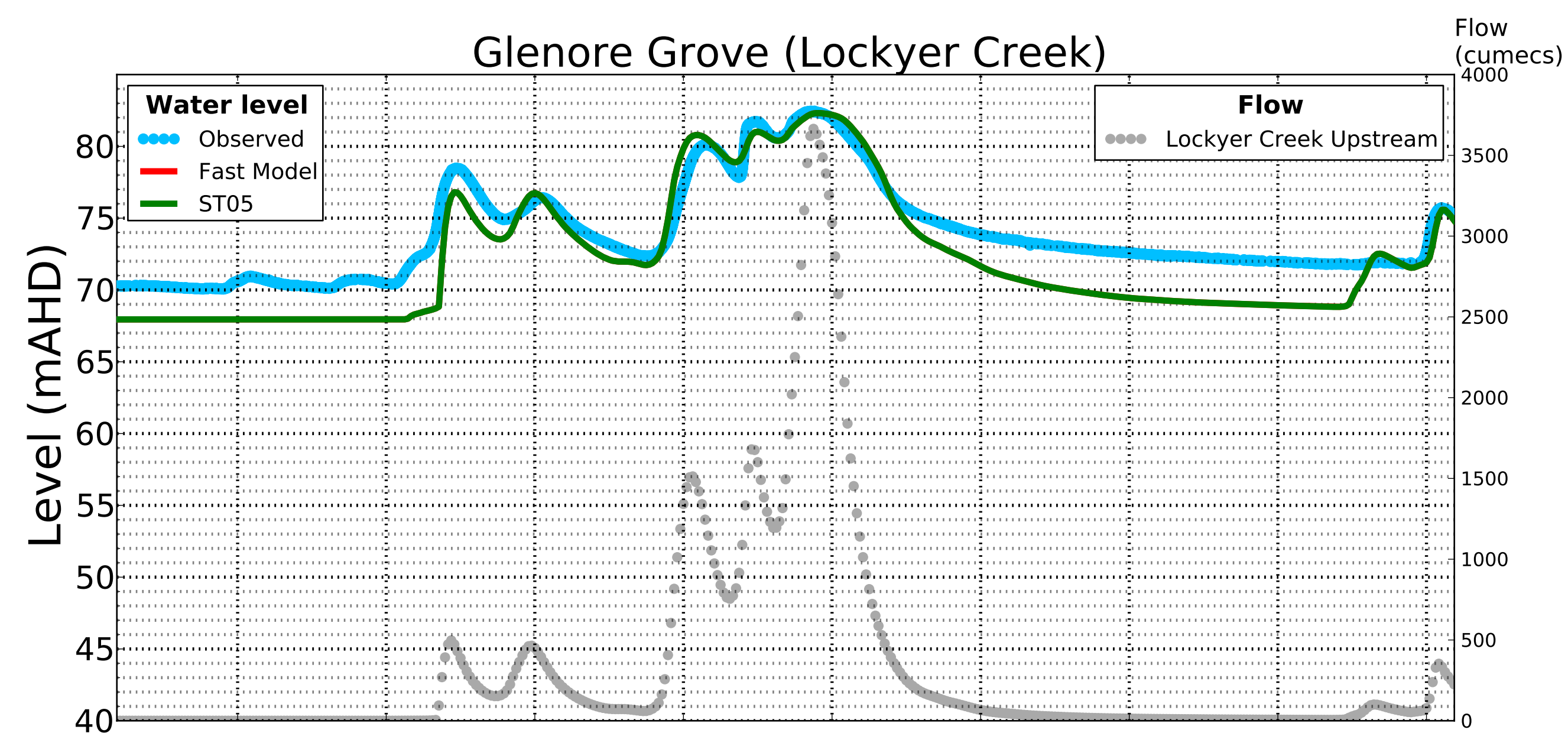
Plot 64 ST04 URBS Beta Values $\pm 20\%$
2011 Brisbane River Longitudinal Profiles

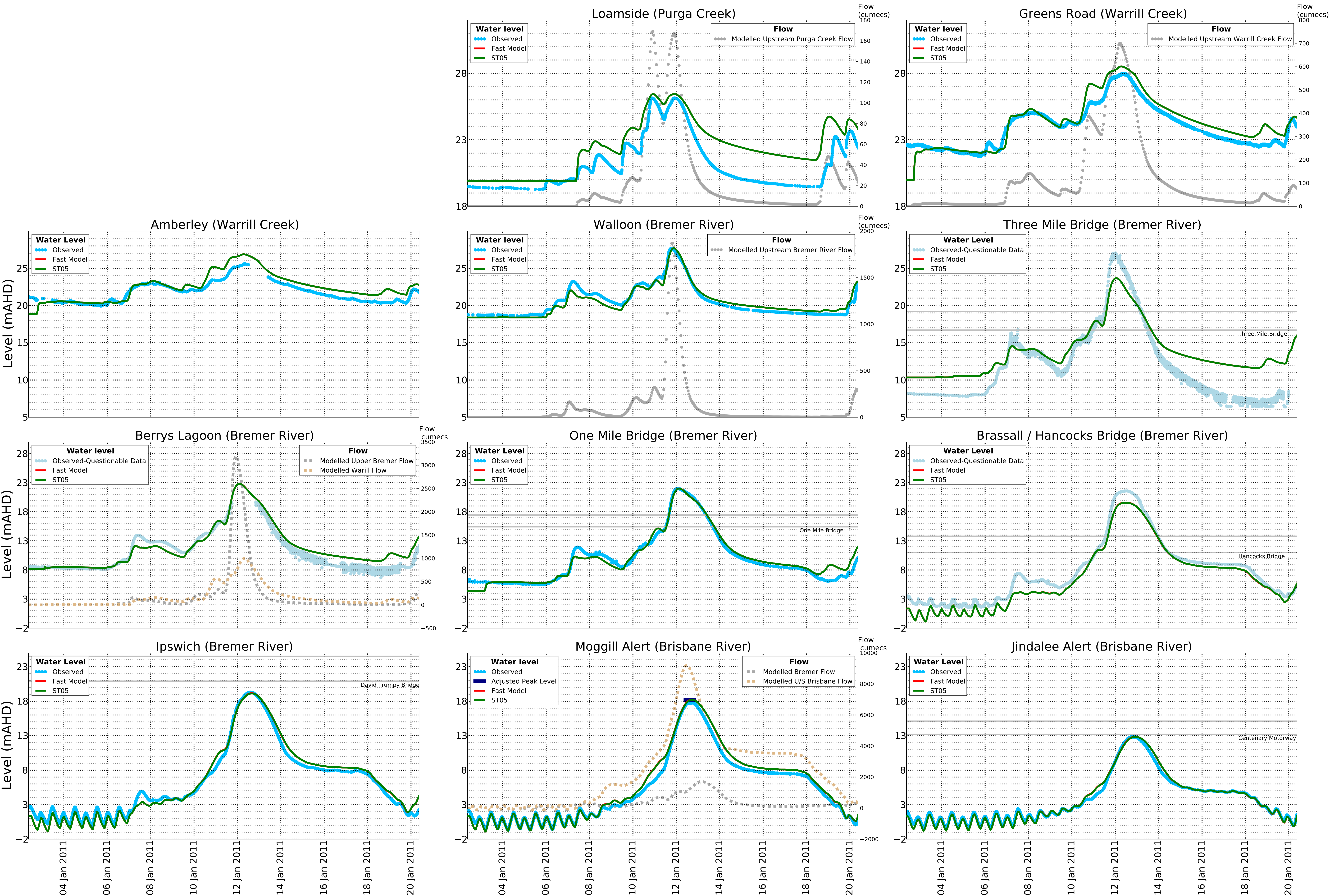


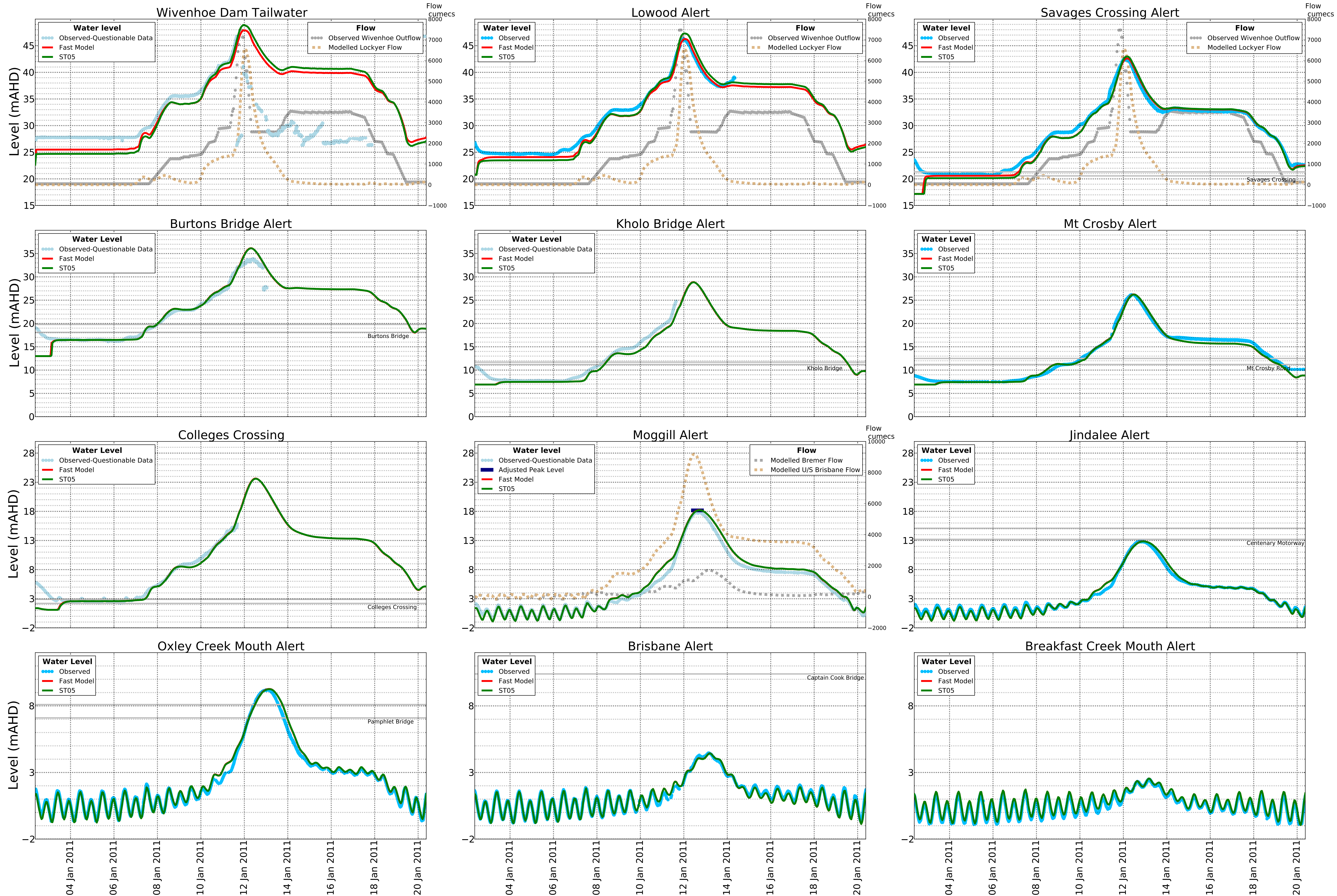
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 65 ST04 URBS Beta Values $\pm 20\%$
2011 Lockyer / Bremer Longitudinal Profiles



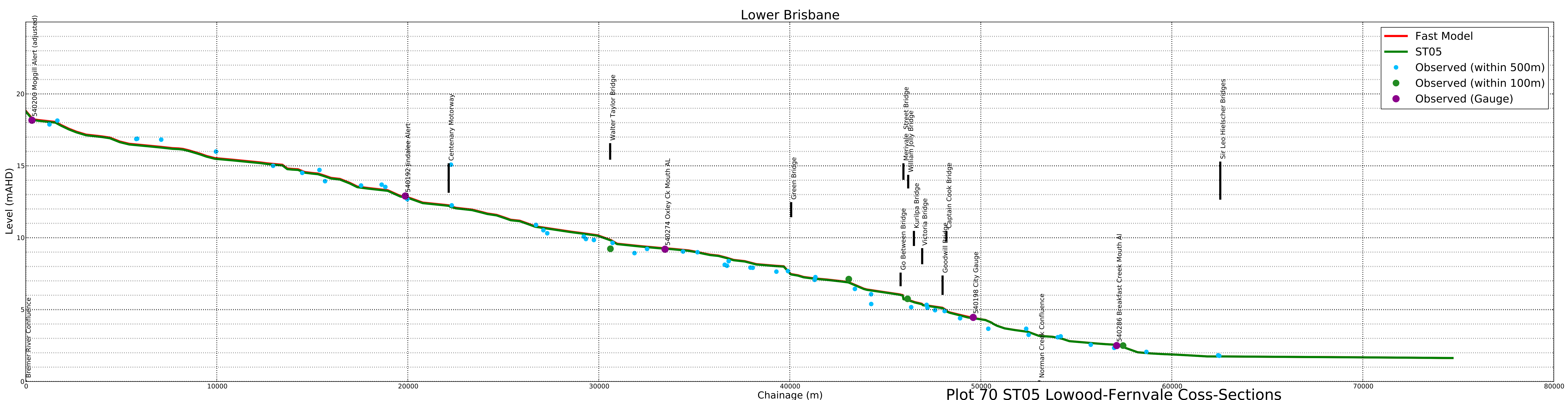
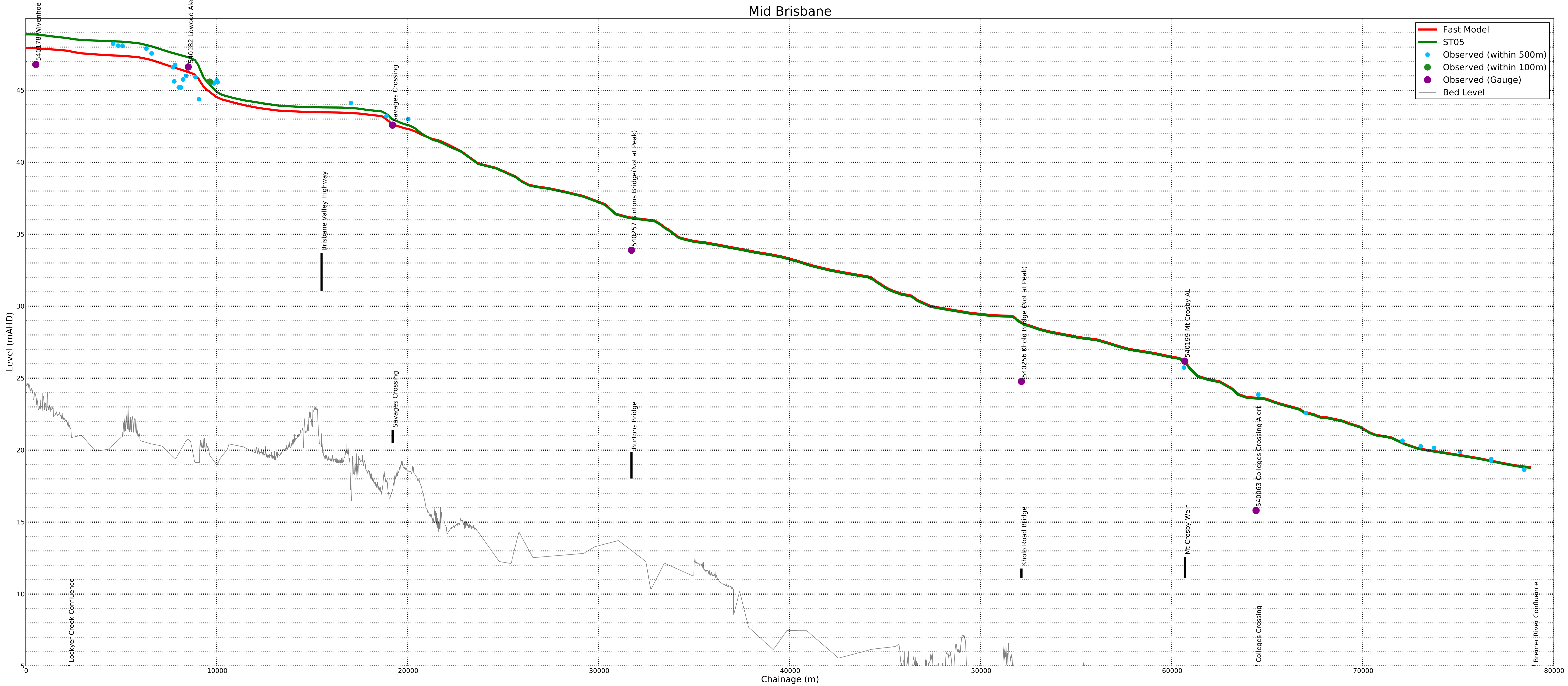






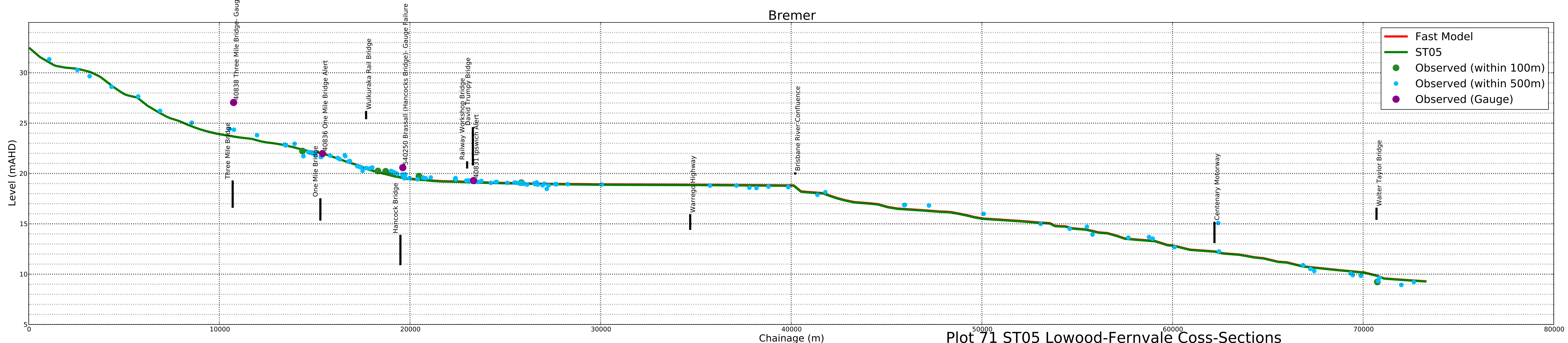
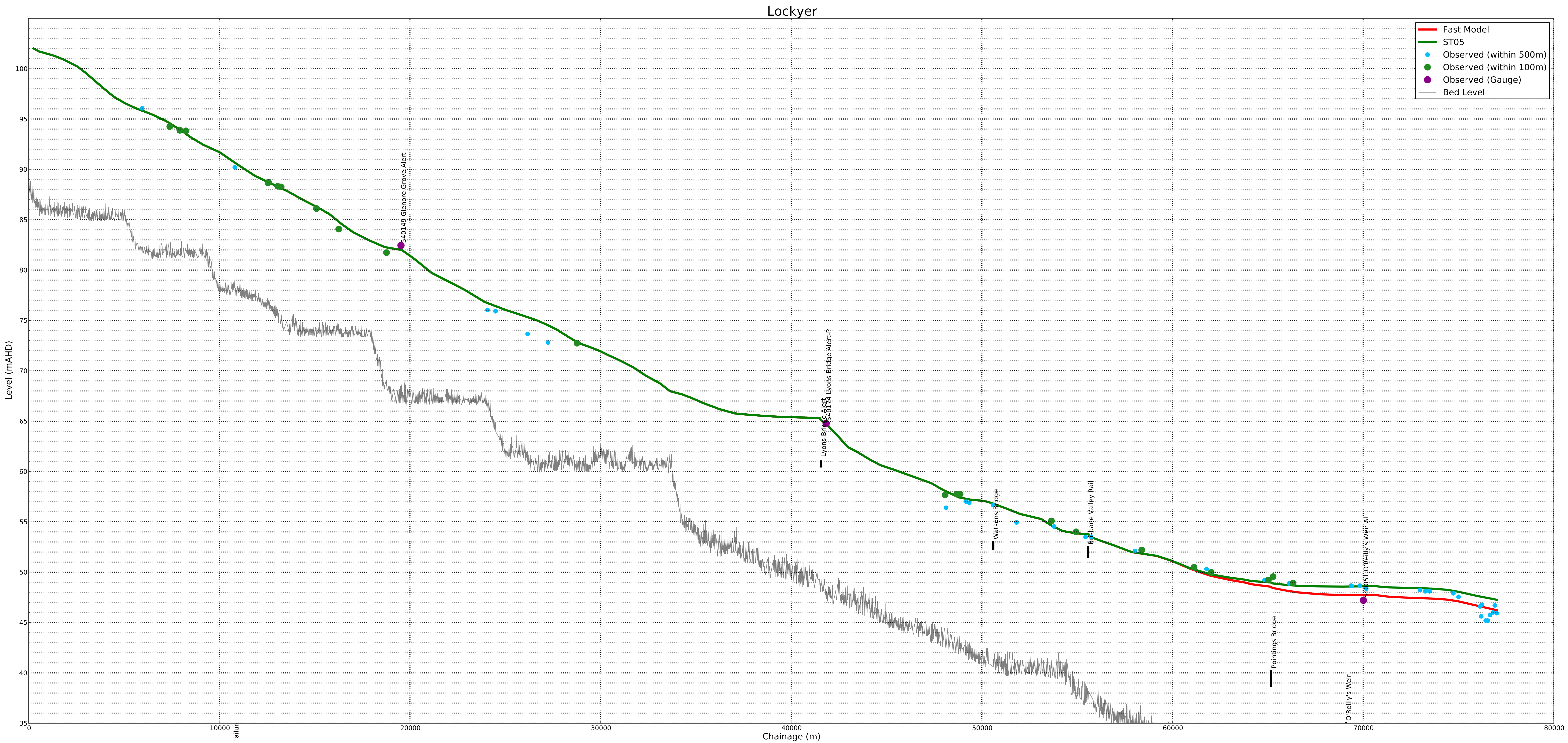
Date Labels are at 00:00 hours on that date
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 69 ST05 Lowood-Fernvale Coss-Sections
2011 Brisbane River Water Level Gauges



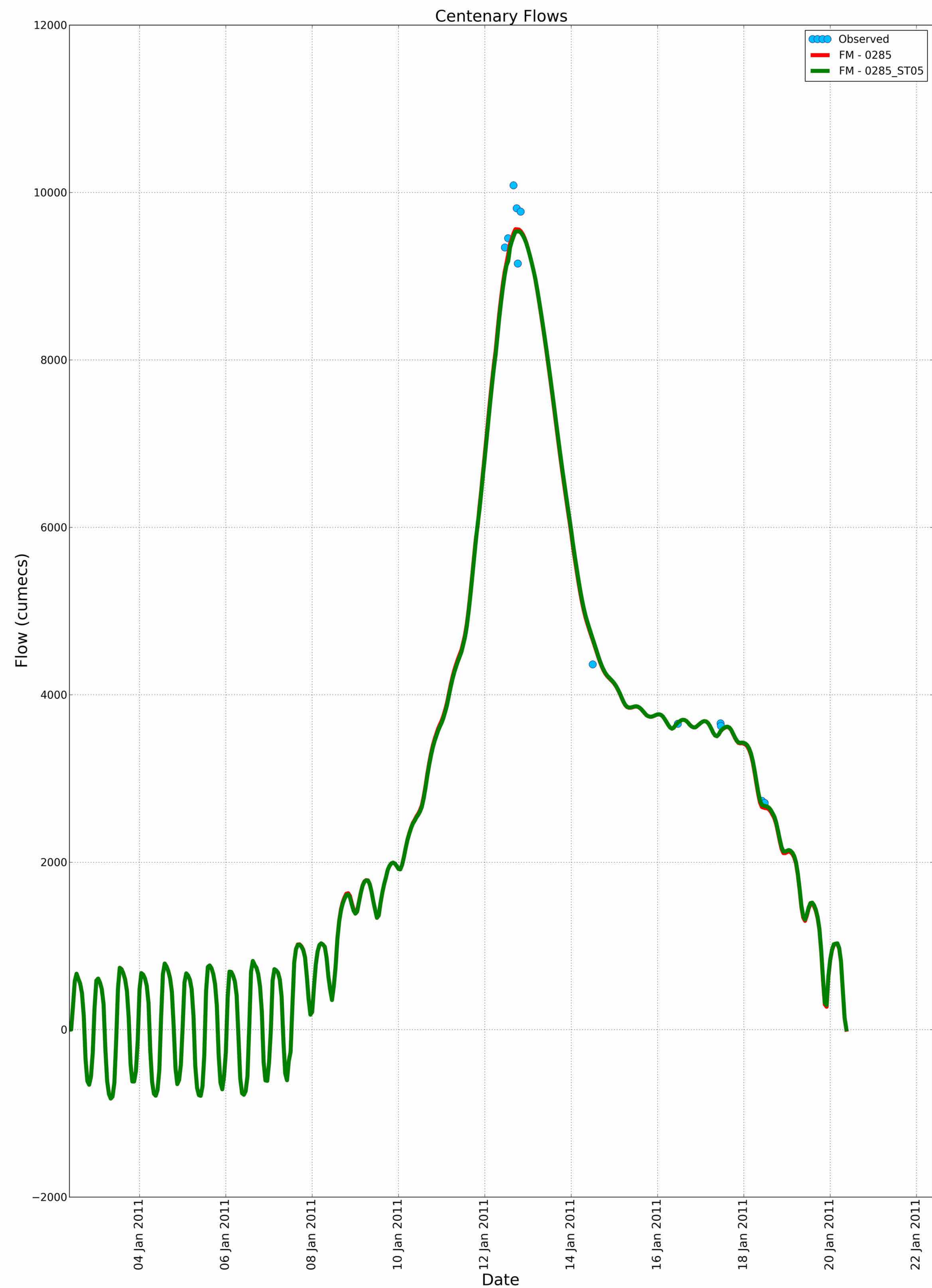
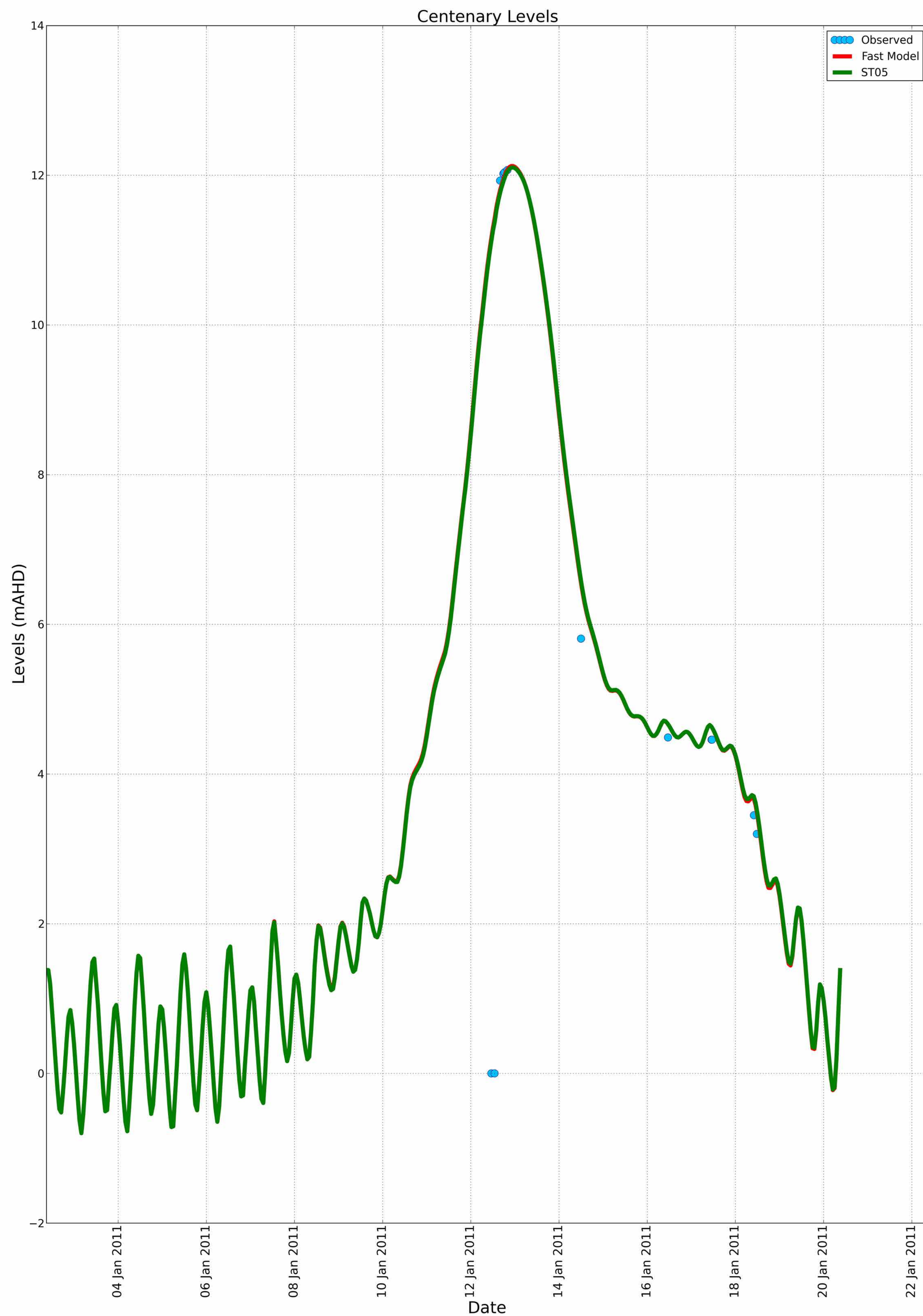
Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 70 ST05 Lowood-Fernvale Cross-Sections
2011 Brisbane River Longitudinal Profiles



Bridge Levels shown are lowest soffit and lowest deck level
Fast Model Version: 0285

Plot 71 ST05 Lowood-Fernvale Coss-Sections
2011 Lockyer / Bremer Longitudinal Profiles



Date Labels are at 00:00 hours on that date
Fast Model Version: 0285

Plot 72 ST05 Lowood-Fernvale Coss-Sections
2011 Centenary Bridge Flow Recordings