

Model Configuration Sequence - Experiment Matrix

|                            |   |                   |   |               |   |               |   |               |   |              |   |              |    |              |  |         |  |         |  |           |  |                   |  |               |  |                |  |
|----------------------------|---|-------------------|---|---------------|---|---------------|---|---------------|---|--------------|---|--------------|----|--------------|--|---------|--|---------|--|-----------|--|-------------------|--|---------------|--|----------------|--|
| 01_baseline                | ✓ |                   |   |               | ✓ |               | ✓ |               |   |              | ✓ | huber        |    |              |  |         |  |         |  |           |  |                   |  |               |  |                |  |
| 02_pixel_composites        | ✓ |                   |   |               | ✓ | ✓             | ✓ | ✓             |   |              | ✓ | huber        |    |              |  |         |  |         |  |           |  |                   |  |               |  |                |  |
| 03_seasonal_composites     | ✓ |                   | ✓ | ✓             | ✓ |               | ✓ |               |   |              | ✓ | huber        |    |              |  |         |  |         |  |           |  |                   |  |               |  |                |  |
| 04_pixel_and_seasonal_comp | ✓ |                   | ✓ | ✓             | ✓ | ✓             | ✓ | ✓             |   |              | ✓ | huber        |    |              |  |         |  |         |  |           |  |                   |  |               |  |                |  |
| 05_support_fmask_dlt       | ✓ |                   | ✓ | ✓             | ✓ | ✓             | ✓ | ✓             |   | ✓            | ✓ | huber        |    |              |  |         |  |         |  |           |  |                   |  |               |  |                |  |
| 06_support_fmask_dlt_dem   | ✓ |                   | ✓ | ✓             | ✓ | ✓             | ✓ | ✓             | ✓ | ✓            | ✓ | huber        |    |              |  |         |  |         |  |           |  |                   |  |               |  |                |  |
| 07_aux_task                |   | ✓                 | ✓ | ✓             | ✓ | ✓             | ✓ | ✓             |   |              |   | huber        | ce | bce          |  |         |  |         |  |           |  |                   |  |               |  |                |  |
| strategy:all_in_model      |   | strategy:aux_task |   | season:autumn |   | season:spring |   | season:summer |   | quantile:Q25 |   | quantile:Q50 |    | quantile:Q75 |  | aux:DEM |  | aux:DLT |  | aux:FMASK |  | out:canopy_height |  | out:leaf_type |  | out:tree_cover |  |