

| ID |  | Task Mode | Task Name                                                                                          | Duration  | Start       | Finish      | Predecessors | May 2018 |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
|----|--|-----------|----------------------------------------------------------------------------------------------------|-----------|-------------|-------------|--------------|----------|----|----|----|----|----|----|----|----|----|----|---|---|---|---|----|----|--|--|--|--|--|--|--|
|    |  |           |                                                                                                    |           |             |             |              | 10       | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 2 | 4 | 6 | 8 | 10 | 12 |  |  |  |  |  |  |  |
| 1  |  |           |                                                                                                    |           |             |             |              |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 2  |  |           | WEEK 1                                                                                             | 5 days    | Mon 5/7/18  | Fri 5/11/18 |              |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 3  |  |           | End of experiment                                                                                  | 0 days    | Mon 5/7/18  | Mon 5/7/18  |              |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 4  |  |           | Target - test liquid level , probes, test flammable gas detectors, procedures, etc.                | 2 days    | Mon 5/7/18  | Tue 5/8/18  | 3            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 5  |  |           | Breakdown spaceframe beam line, Between shield wall and Tagger as well as downstream of collimator | 2 days    | Mon 5/7/18  | Tue 5/8/18  | 3            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 6  |  |           | Target - warm target and move to level 2 spaceframe                                                | 1 day     | Wed 5/9/18  | Wed 5/9/18  | 4            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 10 |  |           | Mark location of downstream turbo on beam tube, breakdown downstream beam line                     | 1 day     | Wed 5/9/18  | Wed 5/9/18  | 5            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 7  |  |           | Move SVT cart upstream 10 feet, install 2 sets of scaffolding to work on MVT                       | 0.83 days | Thu 5/10/18 | Thu 5/10/18 | 6            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 8  |  |           | Install scaffolding under tagger for hodoscope work                                                | 2 days    | Thu 5/10/18 | Mon 5/14/18 | 7            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 11 |  |           | Move forward carriage to maintenance position                                                      | 3 days    | Fri 5/11/18 | Tue 5/15/18 |              |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 9  |  |           | Relocate raster power supplies                                                                     | 2 days    | Mon 5/14/18 | Tue 5/15/18 | 7            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 13 |  |           | WEEK 2                                                                                             | 5 days    | Mon 5/14/18 | Fri 5/18/18 | 3            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 16 |  |           | DC repairs                                                                                         | 3 wks     | Mon 5/14/18 | Fri 6/1/18  |              |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 19 |  |           | Moeller target work                                                                                | 5 days    | Mon 5/14/18 | Fri 5/18/18 |              |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 20 |  |           | Test MVT                                                                                           | 5 days    | Mon 5/14/18 | Fri 5/18/18 |              |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 21 |  |           | Prepare for open house                                                                             | 2 days    | Tue 5/15/18 | Wed 5/16/18 |              |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 14 |  |           | WEEK 3                                                                                             | 5 days    | Mon 5/21/18 | Fri 5/25/18 | 13           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 15 |  |           | Remove open house components                                                                       | 1 day     | Mon 5/21/18 | Mon 5/21/18 |              |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 17 |  |           | Disconnect CVT utilites and cables from spaceframe                                                 | 0.5 days  | Mon 5/21/18 | Mon 5/21/18 | 20           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 18 |  |           | Move CVT upstream to pairspec platform, move solenoid to service position                          | 0.5 days  | Mon 5/21/18 | Mon 5/21/18 | 17           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 24 |  |           | Decable HTCC                                                                                       | 1 day     | Tue 5/22/18 | Tue 5/22/18 | 15           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 25 |  |           | HTCC - weld washers to HTCC cart to maintain alignment                                             | 0.5 days  | Tue 5/22/18 | Tue 5/22/18 | 15           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 27 |  |           | CVT - weld washers to CVT cart to maintain alignment                                               | 0.5 days  | Tue 5/22/18 | Tue 5/22/18 | 15           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 36 |  |           | Move FT tooling to the Hall                                                                        | 1 day     | Tue 5/22/18 | Tue 5/22/18 | 15           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 31 |  |           | Move HTCC to floor                                                                                 | 1 day     | Wed 5/23/18 | Wed 5/23/18 | 24           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 32 |  |           | HTCC PMT replacement                                                                               | 1 wk      | Thu 5/24/18 | Wed 5/30/18 | 31           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 33 |  |           | Crane Genie to subway, decable FT                                                                  | 1 day     | Thu 5/24/18 | Thu 5/24/18 | 31           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 28 |  |           | Beam line - weld port to downstream beam tube for turbo                                            | 1 day     | Fri 5/25/18 | Fri 5/25/18 | 27           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 30 |  |           | Align spaceframe level 1 rails and adjust X and Y to 0.2 mm                                        | 3 days    | Tue 5/22/18 | Thu 5/24/18 | 18           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 34 |  |           | CTOF measure counter 48                                                                            | 0.5 days  | Fri 5/25/18 | Fri 5/25/18 | 33           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 35 |  |           | Decable R1 DCs and move to maintenance position                                                    | 3 days    | Fri 5/25/18 | Tue 5/29/18 | 33           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 29 |  |           | weld repair of target exhaust line                                                                 | 1 day     | Mon 5/28/18 | Mon 5/28/18 | 28           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |
| 54 |  |           | WEEK 4                                                                                             | 5 days    | Mon 5/28/18 | Fri 6/1/18  | 14           |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |  |  |

Project: 2018 Hall Work Schedu

Date: Tue 5/15/18

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

[illegible]

| ID | <div><div></div><div>i</div></div> | Task Mode                         | Task Name                                   | Duration | Start       | Finish      | Predecesso | May 2018 |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
|----|------------------------------------|-----------------------------------|---------------------------------------------|----------|-------------|-------------|------------|----------|----|----|----|----|----|----|----|----|----|----|---|---|---|---|----|----|--|--|--|--|--|
|    |                                    |                                   |                                             |          |             |             |            | 10       | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 2 | 4 | 6 | 8 | 10 | 12 |  |  |  |  |  |
| 62 |                                    | <div><div></div><div></div></div> | Install target                              | 2 days   | Fri 7/27/18 | Mon 7/30/18 | 61         |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 80 |                                    | <div><div></div><div></div></div> | WEEK 13                                     | 5 days   | Mon 7/30/18 | Fri 8/3/18  | 79         |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 63 |                                    | <div><div></div><div></div></div> | Align target and target cell                | 1 day    | Tue 7/31/18 | Tue 7/31/18 | 62         |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 64 |                                    | <div><div></div><div></div></div> | Install beamline from target to 2H00 girder | 2 days   | Wed 8/1/18  | Thu 8/2/18  | 63         |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 65 |                                    | <div><div></div><div></div></div> | CLAS12 Fully Installed                      | 0 days   | Fri 8/3/18  | Fri 8/3/18  | 64         |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 71 |                                    | <div><div></div><div></div></div> | Legend                                      |          |             |             |            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 72 |                                    | <div><div></div><div></div></div> | Alignment                                   |          |             |             |            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 73 |                                    | <div><div></div><div></div></div> | FT                                          |          |             |             |            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 74 |                                    | <div><div></div><div></div></div> | Welding                                     |          |             |             |            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 75 |                                    | <div><div></div><div></div></div> | Drift Chambers                              |          |             |             |            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 81 |                                    | <div><div></div><div></div></div> | LTCC                                        |          |             |             |            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |
| 82 |                                    | <div><div></div><div></div></div> | Completed Tasks                             |          |             |             |            |          |    |    |    |    |    |    |    |    |    |    |   |   |   |   |    |    |  |  |  |  |  |



Project: 2018 Hall Work Schedu  
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Task

Split

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Summary

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Duration-only

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Manual Summary

Start-only

Finish-only

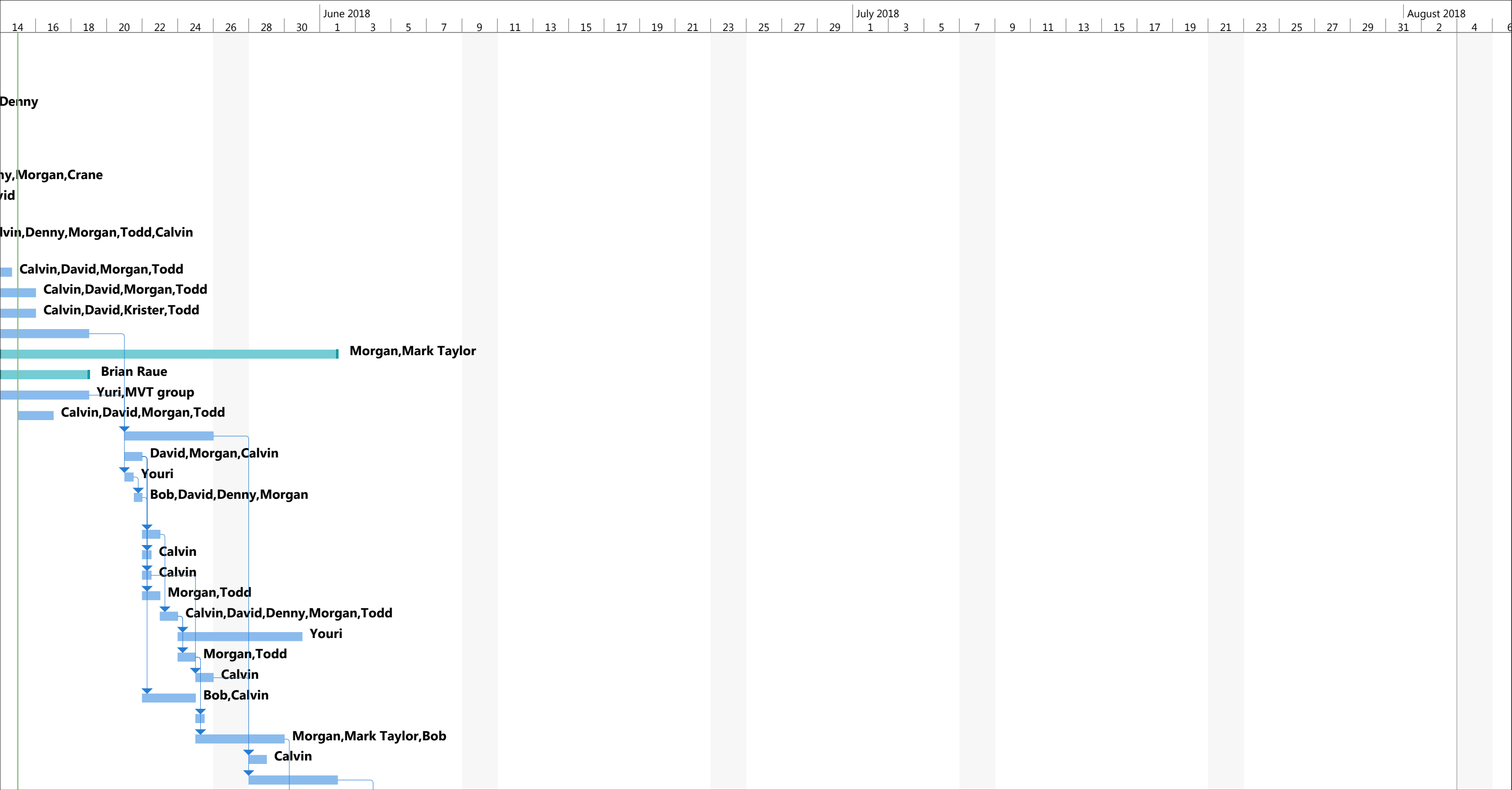
External Tasks

External Milestone

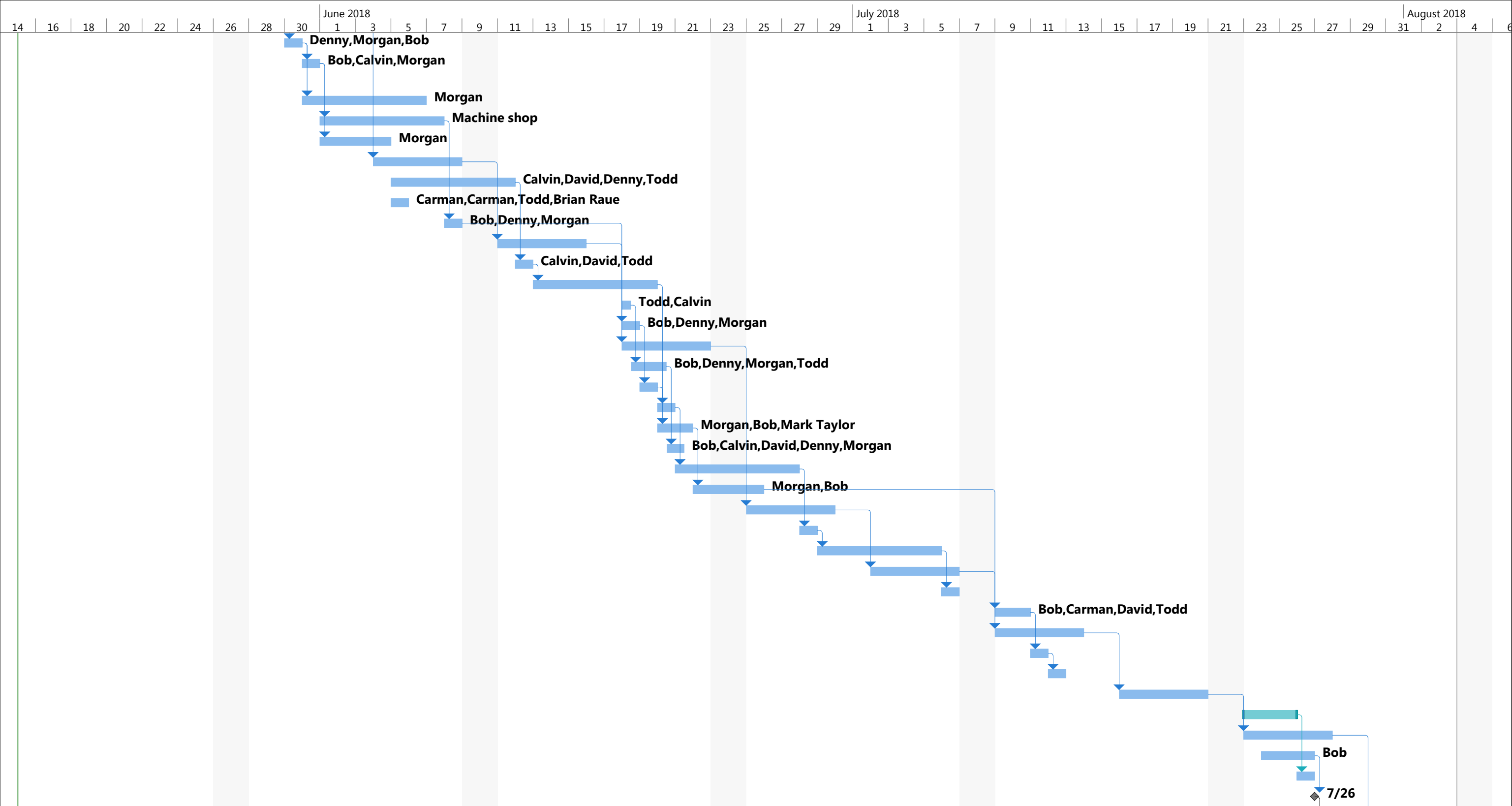
Deadline

Progress

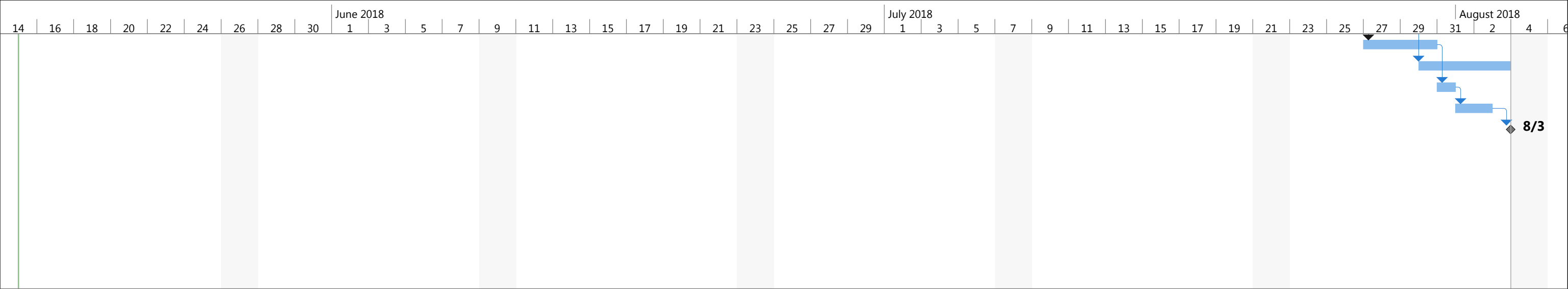
Manual Progress



|                                                     |           |                                                                                     |                    |                                                                                       |                       |                                                                                       |                    |                                                                                       |                 |                                                                                       |
|-----------------------------------------------------|-----------|-------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| Project: 2018 Hall Work Schedu<br>Date: Tue 5/15/18 | Task      |  | Project Summary    |  | Manual Task           |  | Start-only         |  | Deadline        |  |
|                                                     | Split     |  | Inactive Task      |  | Duration-only         |  | Finish-only        |  | Progress        |  |
|                                                     | Milestone |  | Inactive Milestone |  | Manual Summary Rollup |  | External Tasks     |  | Manual Progress |  |
|                                                     | Summary   |  | Inactive Summary   |  | Manual Summary        |  | External Milestone |  |                 |                                                                                       |



|                                                     |           |             |                    |             |                       |             |                    |             |                 |             |
|-----------------------------------------------------|-----------|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|-----------------|-------------|
| Project: 2018 Hall Work Schedu<br>Date: Tue 5/15/18 | Task      | <div></div> | Project Summary    | <div></div> | Manual Task           | <div></div> | Start-only         | <div></div> | Deadline        | <div></div> |
|                                                     | Split     | <div></div> | Inactive Task      | <div></div> | Duration-only         | <div></div> | Finish-only        | <div></div> | Progress        | <div></div> |
|                                                     | Milestone | <div></div> | Inactive Milestone | <div></div> | Manual Summary Rollup | <div></div> | External Tasks     | <div></div> | Manual Progress | <div></div> |
|                                                     | Summary   | <div></div> | Inactive Summary   | <div></div> | Manual Summary        | <div></div> | External Milestone | <div></div> |                 | <div></div> |



|                                                     |           |             |                    |             |                       |             |                    |             |                 |             |
|-----------------------------------------------------|-----------|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|-----------------|-------------|
| Project: 2018 Hall Work Schedu<br>Date: Tue 5/15/18 | Task      | <div></div> | Project Summary    | <div></div> | Manual Task           | <div></div> | Start-only         | <div></div> | Deadline        | <div></div> |
|                                                     | Split     | <div></div> | Inactive Task      | <div></div> | Duration-only         | <div></div> | Finish-only        | <div></div> | Progress        | <div></div> |
|                                                     | Milestone | <div></div> | Inactive Milestone | <div></div> | Manual Summary Rollup | <div></div> | External Tasks     | <div></div> | Manual Progress | <div></div> |
|                                                     | Summary   | <div></div> | Inactive Summary   | <div></div> | Manual Summary        | <div></div> | External Milestone | <div></div> |                 |             |