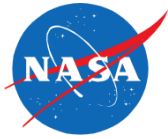


Ramp Traffic Console (RTC) and Ramp Manager Traffic Console (RMTC)

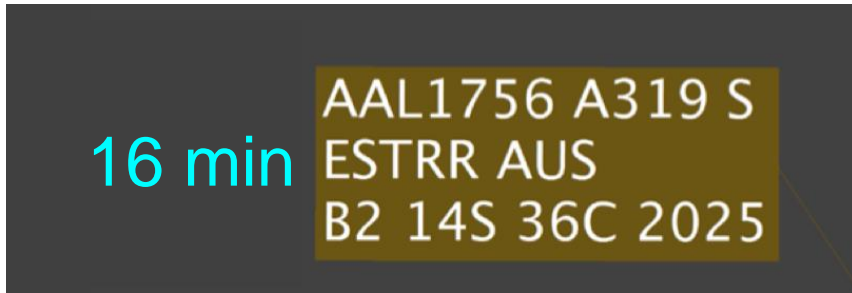
Version 4.4 Updates
May 2019



- “Frozen” Gate Advisories
 - Potential change for future version
- Gate Advisories Changing
- “Uncertain” Flights
 - Flights categorized as “Uncertain”
 - Option for displaying “#” or Gate Advisory
- First-Scheduled First-Served (FSFS)

“Frozen” Advisories

Gate Advisory not “Frozen”



16 min

AAL1756 A319 S
ESTRR AUS
B2 14S 36C 2025

Target Off-Block Time (TOBT) and Advisory can change.

Gate Advisory “Frozen”



9 min

AAL1756 A319 S
ESTRR AUS
B2 14S 36C 2025

Inverted colors; highlighted background = Frozen

Target Off-Block Time (TOBT) and Advisory are “frozen” and will not change.

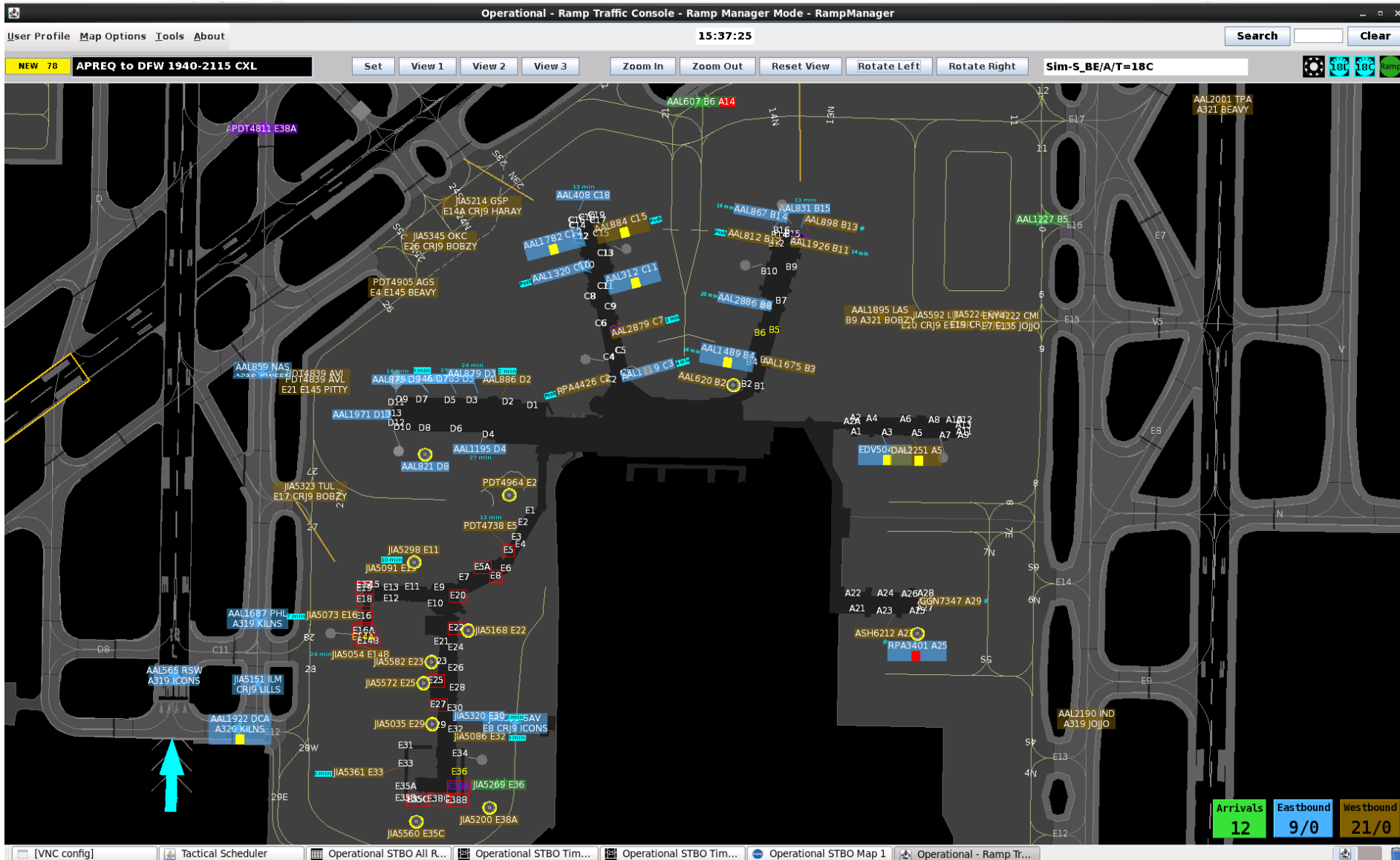
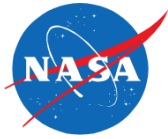
When does the Gate Advisory “freeze”?

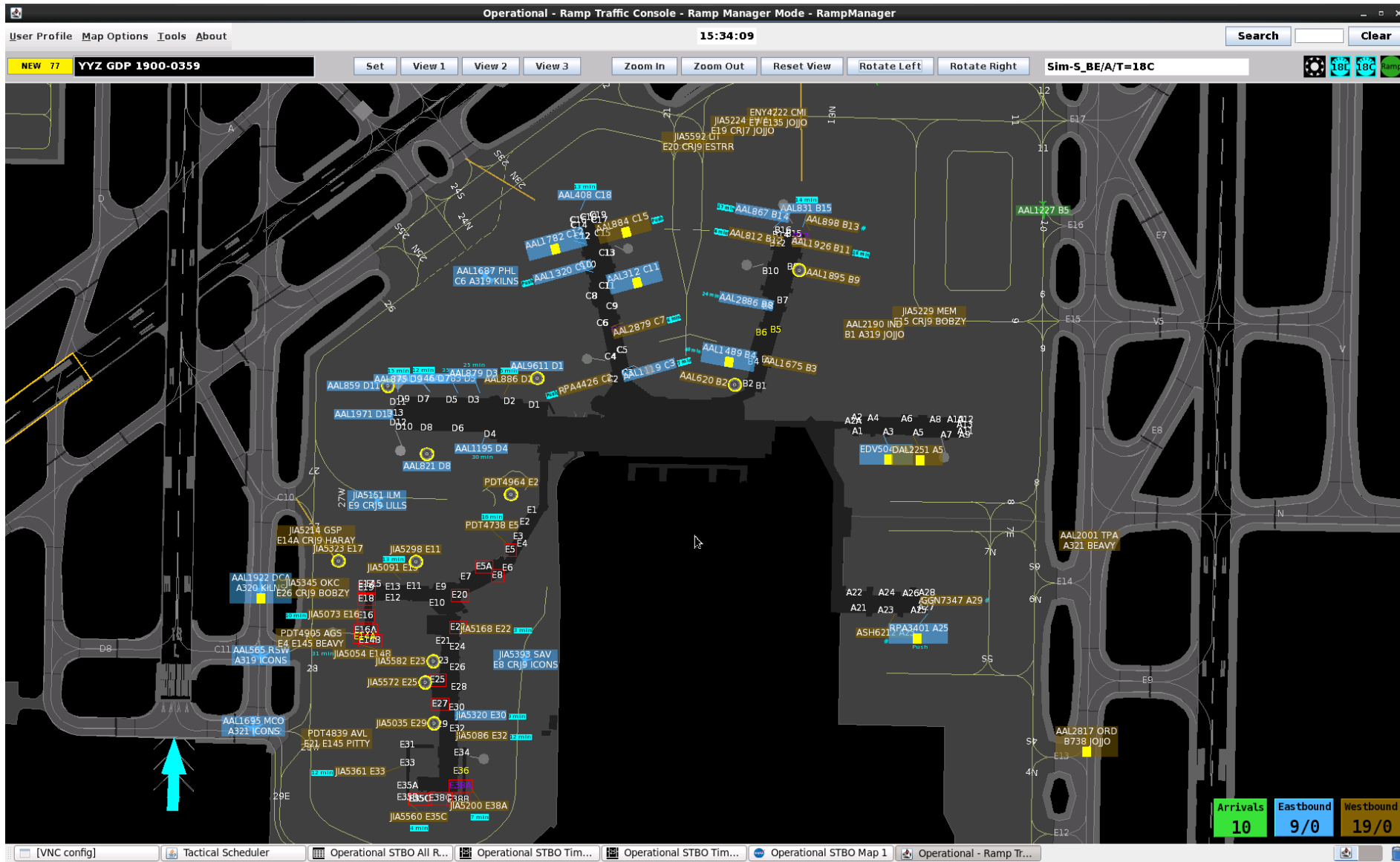
1. At 10 min prior to the Target Off-Block Time (TOBT).
 - The 10 min Static Time Horizon is configurable.
2. Or, when a flight is put on hold (i.e., when the Pilot calls ready).



3. Or, manually frozen through RTC flight menu.
4. “Uncertain” flights will not be “frozen” based on the Static Time Horizon.
 - They will “freeze” after placed on hold.

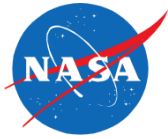
Static Time Horizon = 10 minutes (current STH setting)



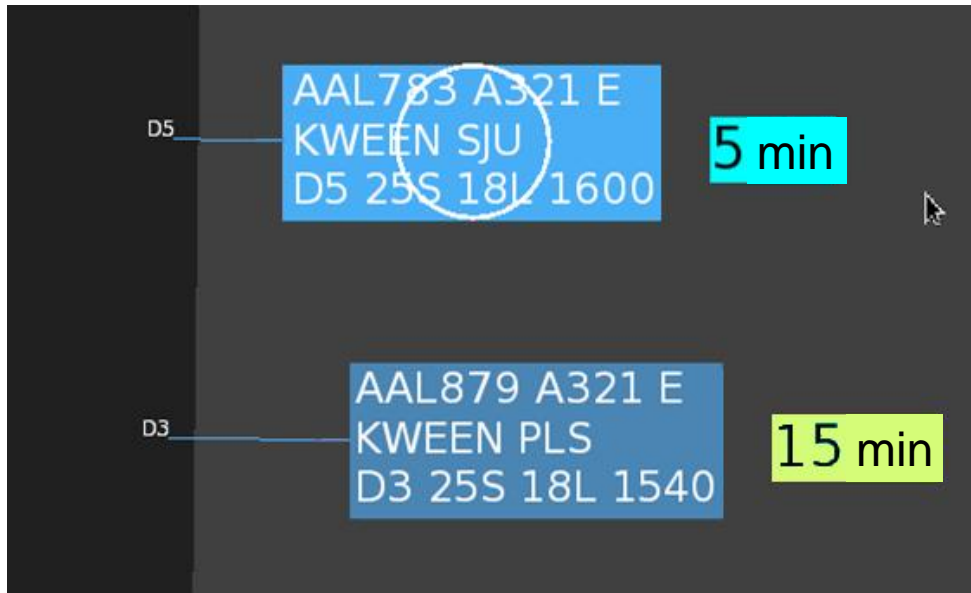




Potential Indicator of Candidate for Leveraging Surface Metering



- A candidate for leveraging surface metering would be flights with
 - A frozen TOBT
 - And an assigned gate hold (TOBT – EOBT) greater than a configured threshold
 - E.g. 8 or 10 minutes
- This change would not be available in next release (4.4) but could be added to future release



Default frozen advisory

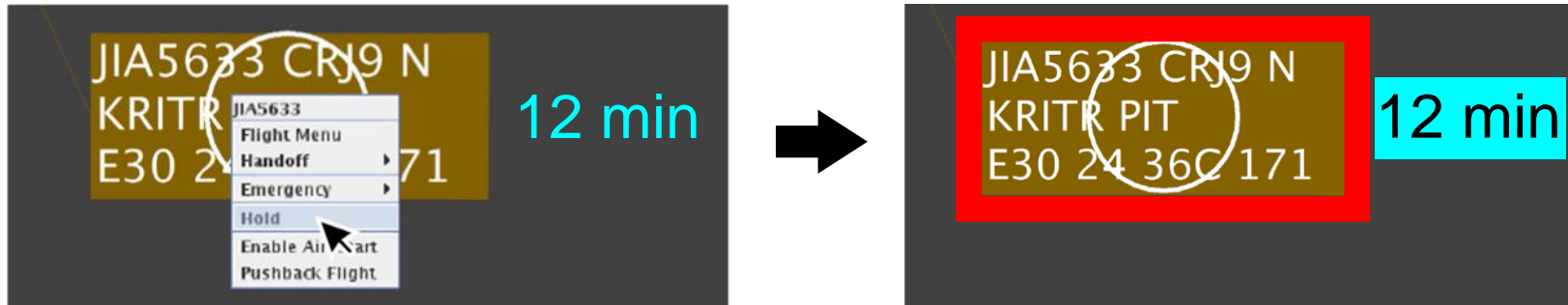
- Not a good candidate for leveraging surface metering

Frozen and a good candidate for leveraging surface metering

Gate Advisories May Change

When a Gate Advisory is “frozen”, as a result of the flight being put on hold, the Advisory time may stay the same or it may change (jump) within 1 second of the status update.

Example of an Advisory that stays the same (i.e., 12 min) when it is frozen.



Example of an Advisory that changes, or jumps, when it is frozen.

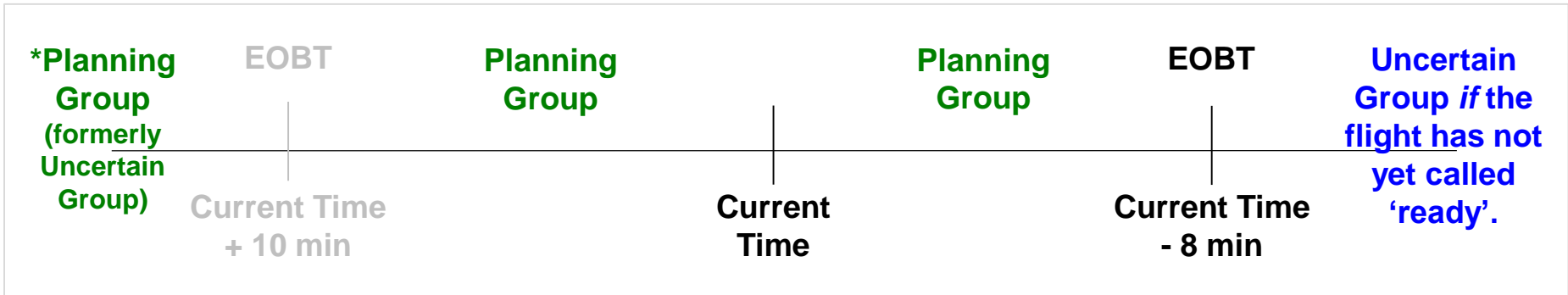


Gate Advisory decreased from 27 min to 15 min.

Scheduler: “Uncertain” Flights

Which flights does the Scheduler categorize as “Uncertain”?

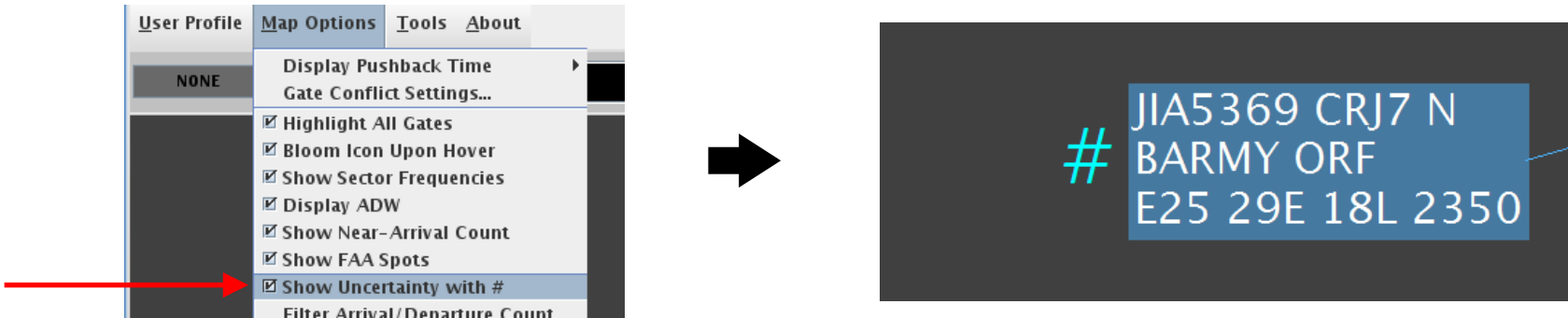
1. The Scheduler categorizes any flight without an Earliest Off-Block Time (EOBT) as “Uncertain”.
2. Flights whose EOBT is 8 min, or more, past current time and who have not yet called ‘ready’, are also categorized as “Uncertain”.
3. All remaining flights at the gate belong to the planning group.



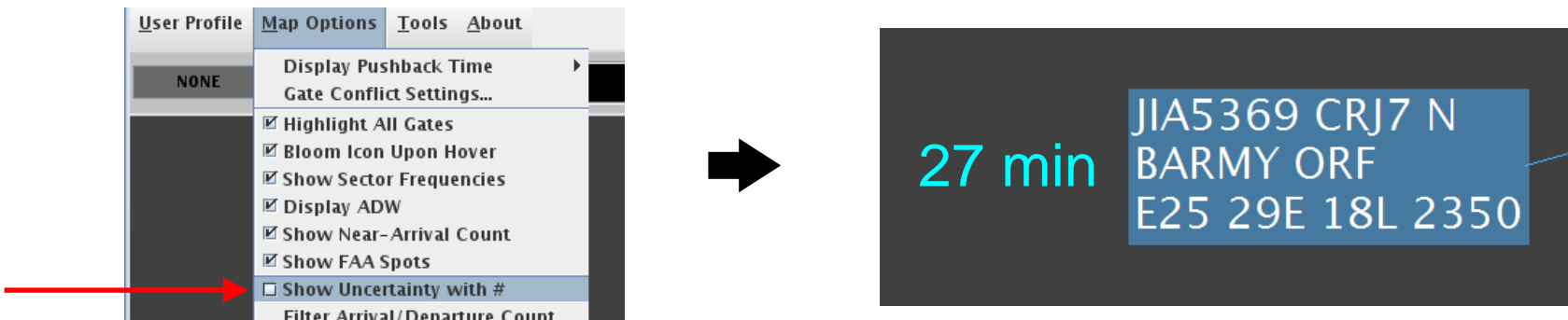
*Note: Flights whose EOBT is 10 min, or more, prior to current time are no longer categorized as “Uncertain”.

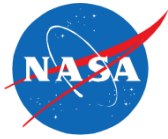
Gate Advisories for “Uncertain” flights may appear unusually large because of the uncertainty around their expected pushback time. Users have the option to display Gate Advisories for “Uncertain” flights in two different ways.

Under Map Options, select “Show Uncertainty with #” to display a hash tag instead of the Gate Advisory for “Uncertain” flights. When the Pilot calls ready, click on the hash tag to view the “frozen” Advisory.



Unselect “Show Uncertainty with #” to display the Gate Advisory. Note: The Gate Advisory for “Uncertain” flights will likely decrease when the Advisory is eventually “frozen”.

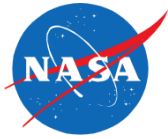




- Planning flights' advisories are no longer hidden under the #tag
- If there isn't any additional gate hold, e.g TOBT == EOBT, then gate advisory is EOBT - Current_time.

E.g. If a flight's EOBT is 30 min from now, the scheduler did not assign any additional delay due to surface metering, the advisory shown will be 30 min. If scheduler predicts 5 min of additional hold, the advisory shown will be 35 min.

First-Scheduled First-Served (FSFS)



- In release 4.4, ATD-2 would like to change scheduler back to FSFS
 - Only affects flights during metering
- Initial scheduler used FSFS
 - Temporarily switched to First-Come First-Served (FCFS) to make other scheduler changes simpler
- FSFS – sort flights in (SOBT + taxi time) order
- FCFS – sort flights in (EOBT + taxi time) order
- Reasons for change back to FSFS
 - Will reduce gate holds on flights with delay ($EOBT > SOBT$)
 - Will reduce jumps in advisory when flight is placed on hold
 - FSFS recognized in industry as more equitable
 - FSFS aligns more closely with TFDM
- Change should not be noticeable to ramp controllers