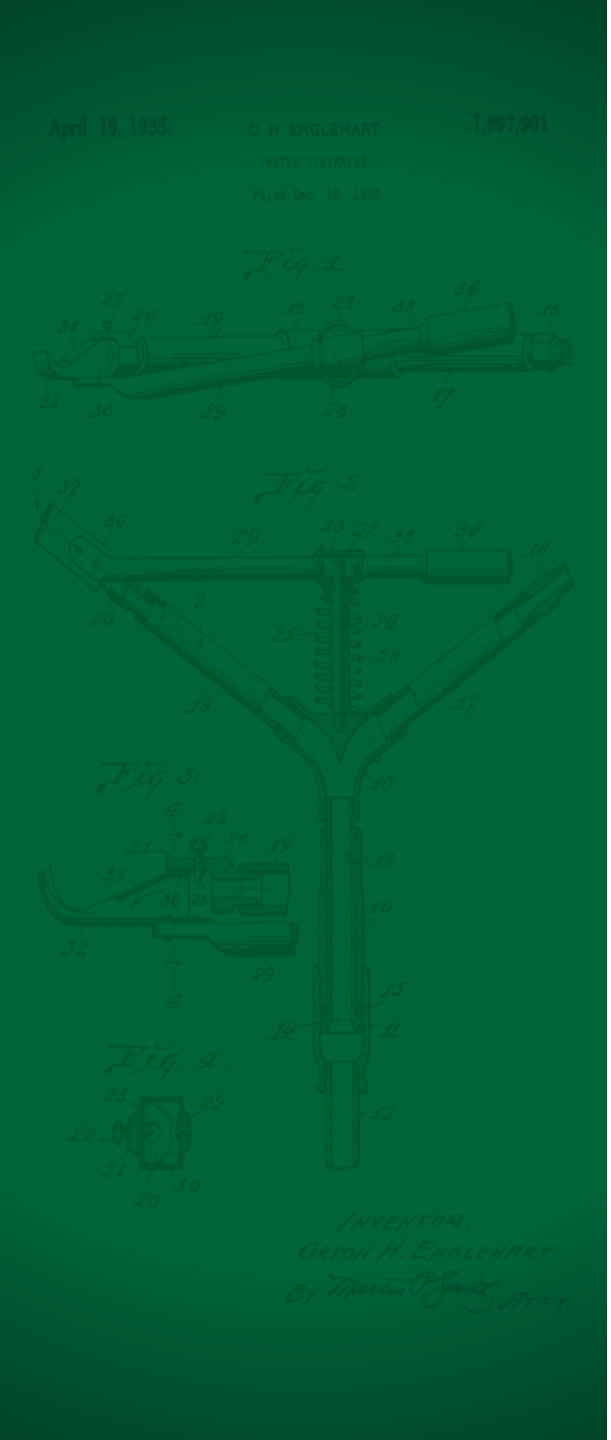

RAIN BIRD®

IQ4 New Features-2021

New features added on March 23, 2021

The Intelligent Use of Water™

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New Features Overview

- **NEW!** A new feature called table edit is available under the stations tab of controllers. This allows for faster entry of data like station addresses and flow rates
- **NEW!** In the controller tab, a red ! icon will be displayed if the controller had a flow alarm present in the last log retrieval
- **NEW!** You can now schedule synchronization and log retrieval times in addition to the previously available auto or manual options
- **NEW!** Weather forecasts are visible for each controller with a weather source assigned.
- **NEW!** LX-IVM Controllers can resume previously started firmware updates
- Ability to see acknowledged alarms and filter by alarm type on activity screen
- Improved filters for selected reports to set hour and minute for start/end of report
- The water management report now has a total field for manual and scheduled irrigation
- Cellular Troubleshooting link in the About page
- Numerous fixes improving speed, reliability and navigation

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Table Edit

- A new feature called table edit is available under the stations tab of controllers. This allows for faster entry of data like station addresses and flow rates
- Table edit is available on the Stations page
- A Save button is located on the bottom right corner of the table page

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Table Edit

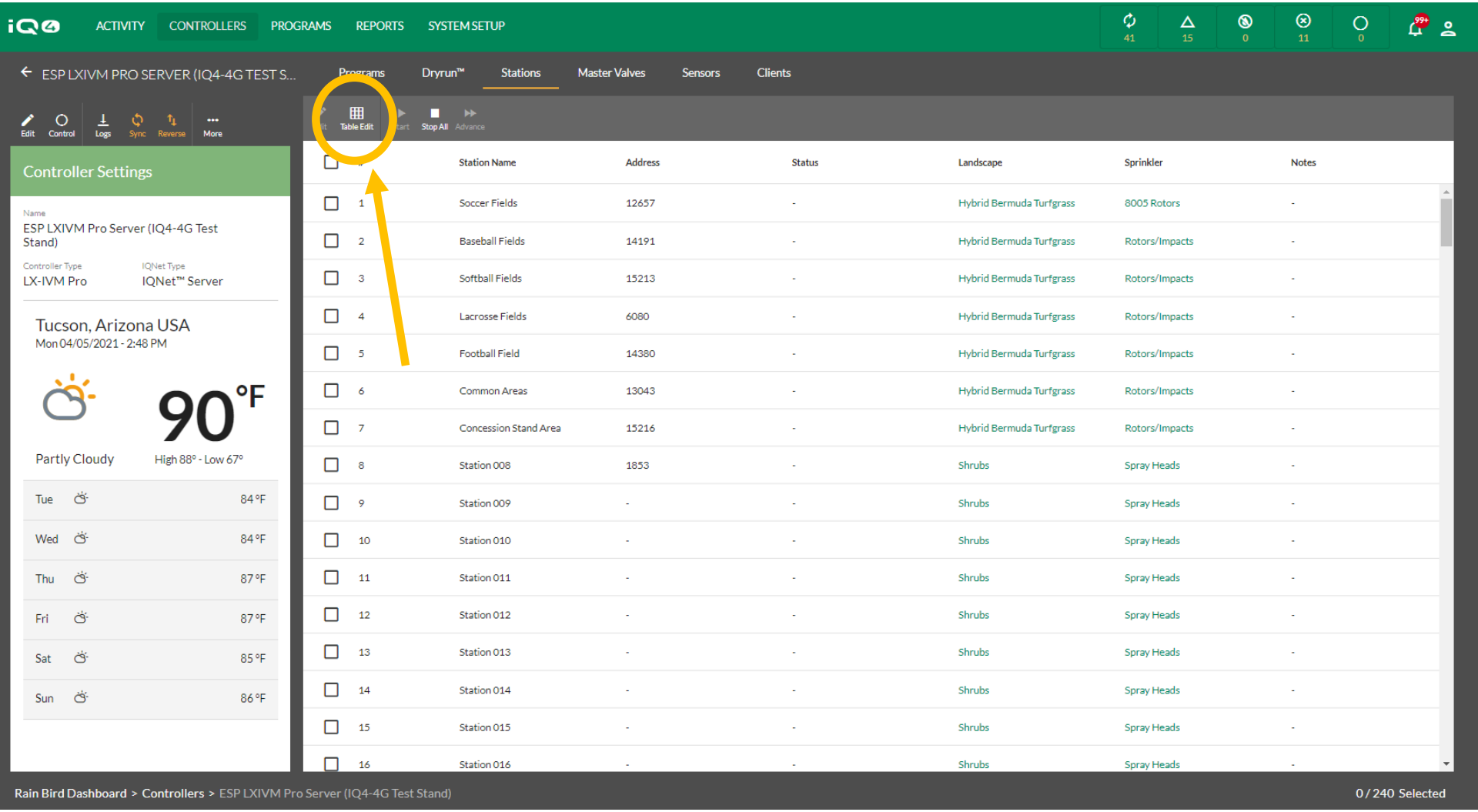

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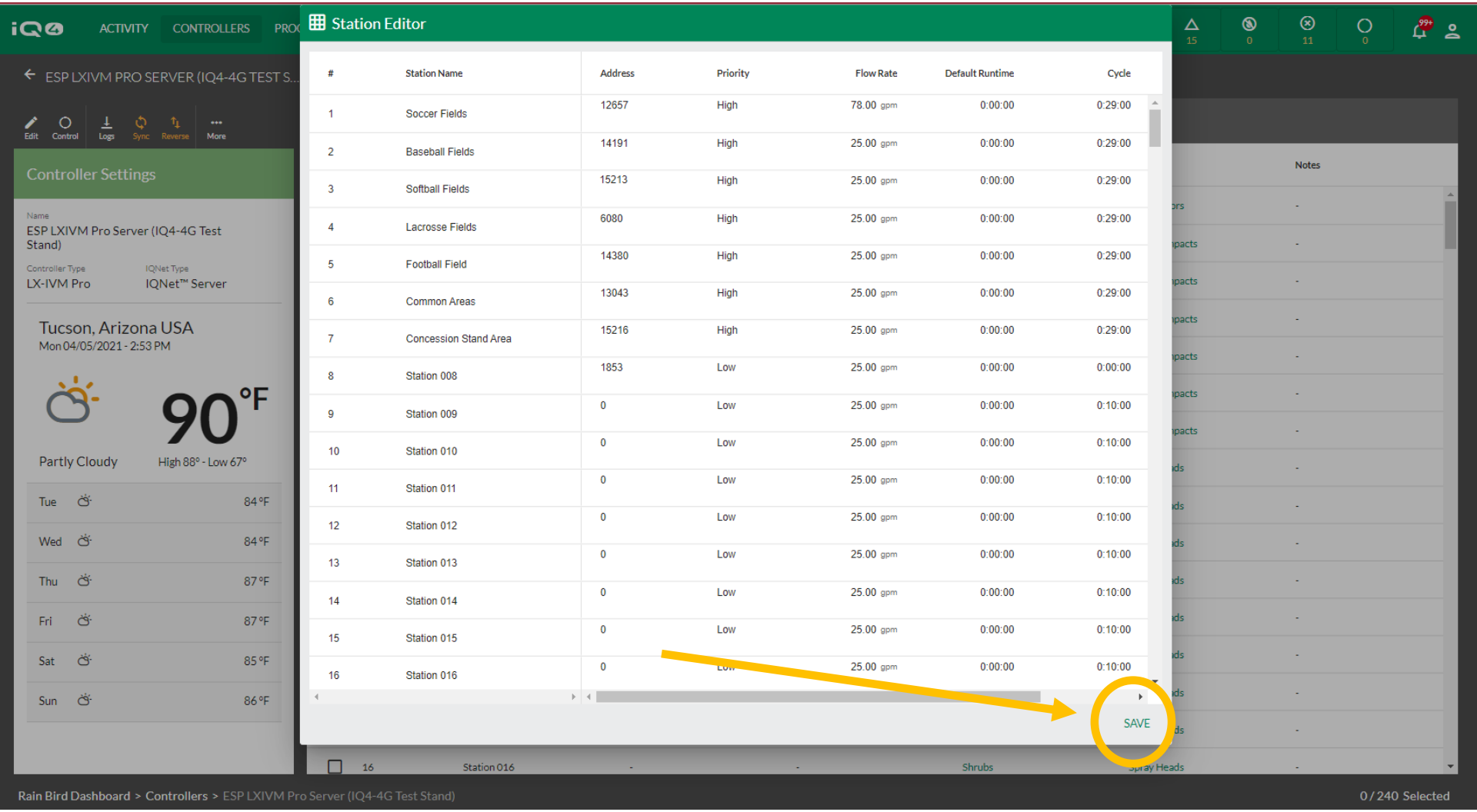
Table Edit



#	Station Name	Address	Priority	Flow Rate	Default Runtime	Cycle
1	Soccer Fields	12657	High	78.00 gpm	0:00:00	0:29:00
2	Baseball Fields	14191	High	25.00 gpm	0:00:00	0:29:00
3	Softball Fields	15213	High	25.00 gpm	0:00:00	0:29:00
4	Lacrosse Fields	6080	High	25.00 gpm	0:00:00	0:29:00
5	Football Field	14380	High	25.00 gpm	0:00:00	0:29:00
6	Common Areas	13043	High	25.00 gpm	0:00:00	0:29:00
7	Concession Stand Area	15216	High	25.00 gpm	0:00:00	0:29:00
8	Station 008	1853	Low	25.00 gpm	0:00:00	0:00:00
9	Station 009	0	Low	25.00 gpm	0:00:00	0:10:00
10	Station 010	0	Low	25.00 gpm	0:00:00	0:10:00
11	Station 011	0	Low	25.00 gpm	0:00:00	0:10:00
12	Station 012	0	Low	25.00 gpm	0:00:00	0:10:00
13	Station 013	0	Low	25.00 gpm	0:00:00	0:10:00
14	Station 014	0	Low	25.00 gpm	0:00:00	0:10:00
15	Station 015	0	Low	25.00 gpm	0:00:00	0:10:00
16	Station 016	0	Low	25.00 gpm	0:00:00	0:10:00

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Flow Alarm Icon

- In the controller tab, a red ! icon will be displayed if the controller had a flow alarm present in the last log retrieval
- The Flow Alarm(s) can be dismissed in the Control page when connected to a controller

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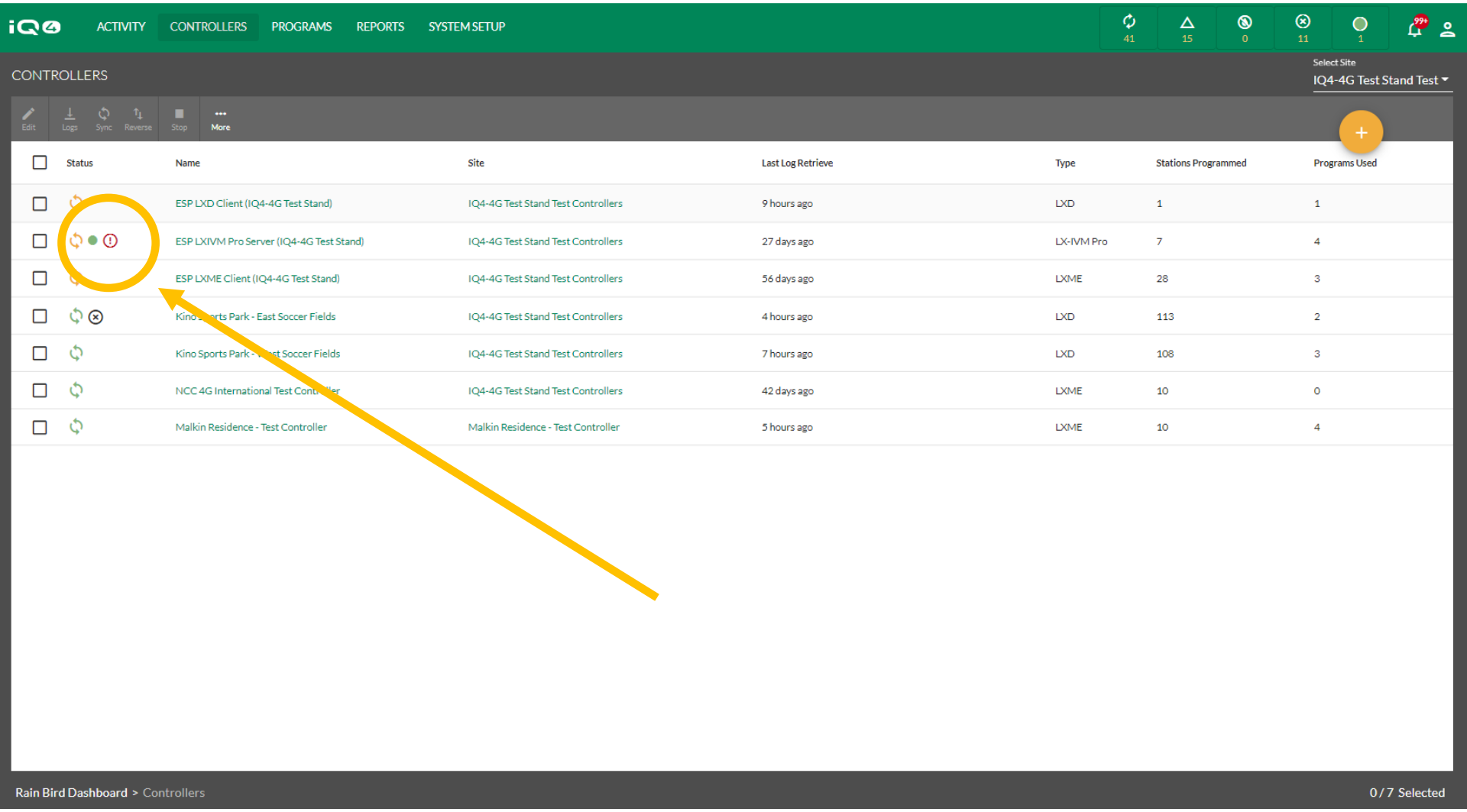
Flow Alarm Icon



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Schedule Synchs and Log Retrievals

- You can now schedule synchronization and log retrieval times in addition to the previously available auto or manual options
- The Controller Settings edit page now has four sub-menus:
  - Connection
  - Synchronization
  - Log Retrieval
  - Advanced Settings
- For Synchronization and Log Retrieval, there are now three settings in the sub-menu:
  - Manual
  - Automatic
  - Scheduled

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Schedule Synchronizations

- Synchronization functionality:
  - Manual: A synchronization will only take place when the user clicks on the Sync icon and initiates the synchronization
  - Automatic: IQ4 will determine when to synchronize with the controller. This normally takes place one hour after a change to a controller has been made in IQ4
  - Scheduled: The user sets a particular time for IQ4 to synchronize with the controller each day. There is a checkbox that will allow IQ4 to ignore a synchronization if there are no changes to the controller
- Best Practices:
  - Scheduled Synchronizations need to be set BEFORE the first irrigation event each day (use Dryrun™ to determine first irrigation times)
  - CAUTION: Scheduled synchronizations that interrupt irrigation will cancel all further irrigation until the next scheduled start that takes place after the sync

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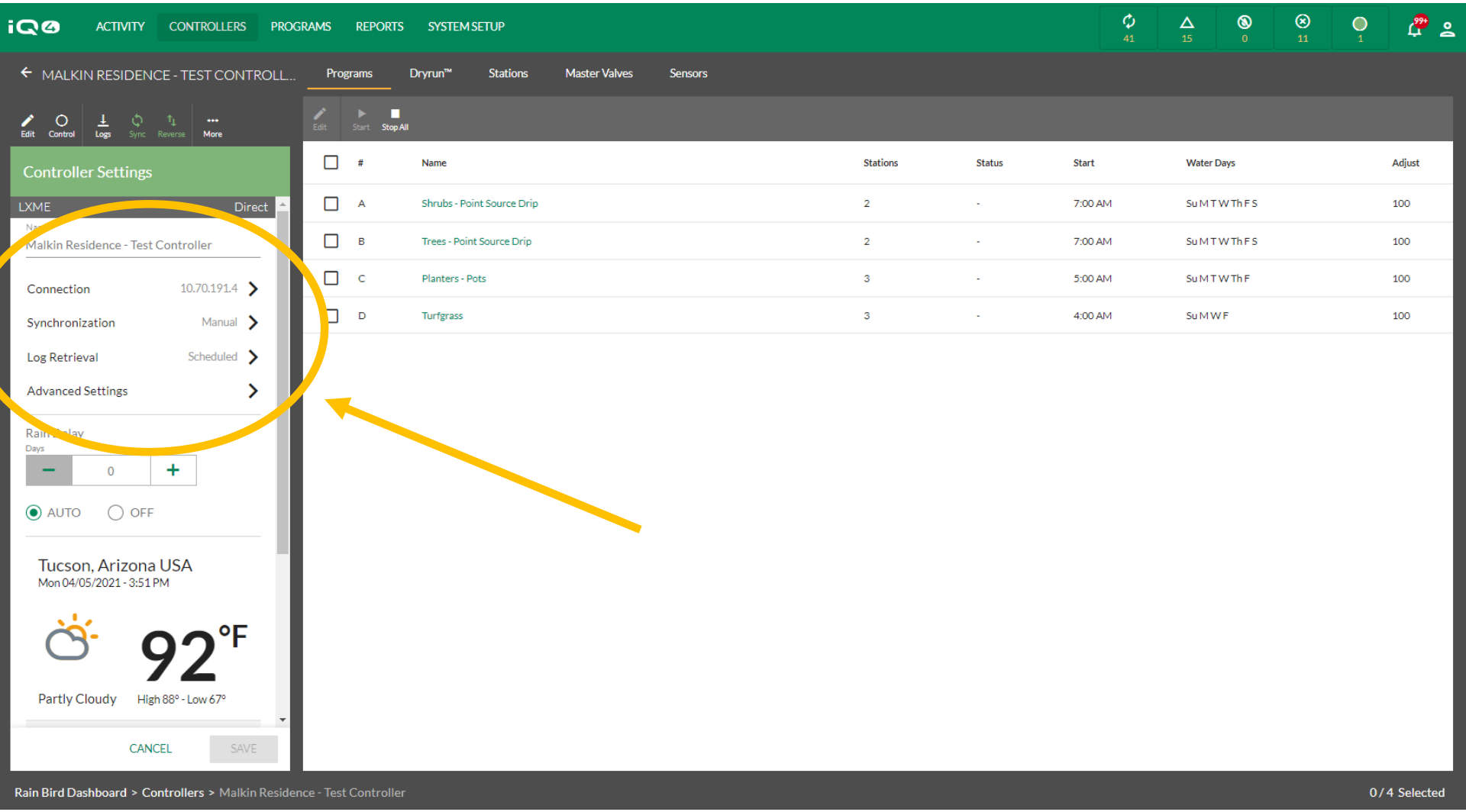
Scheduled Synchronizations



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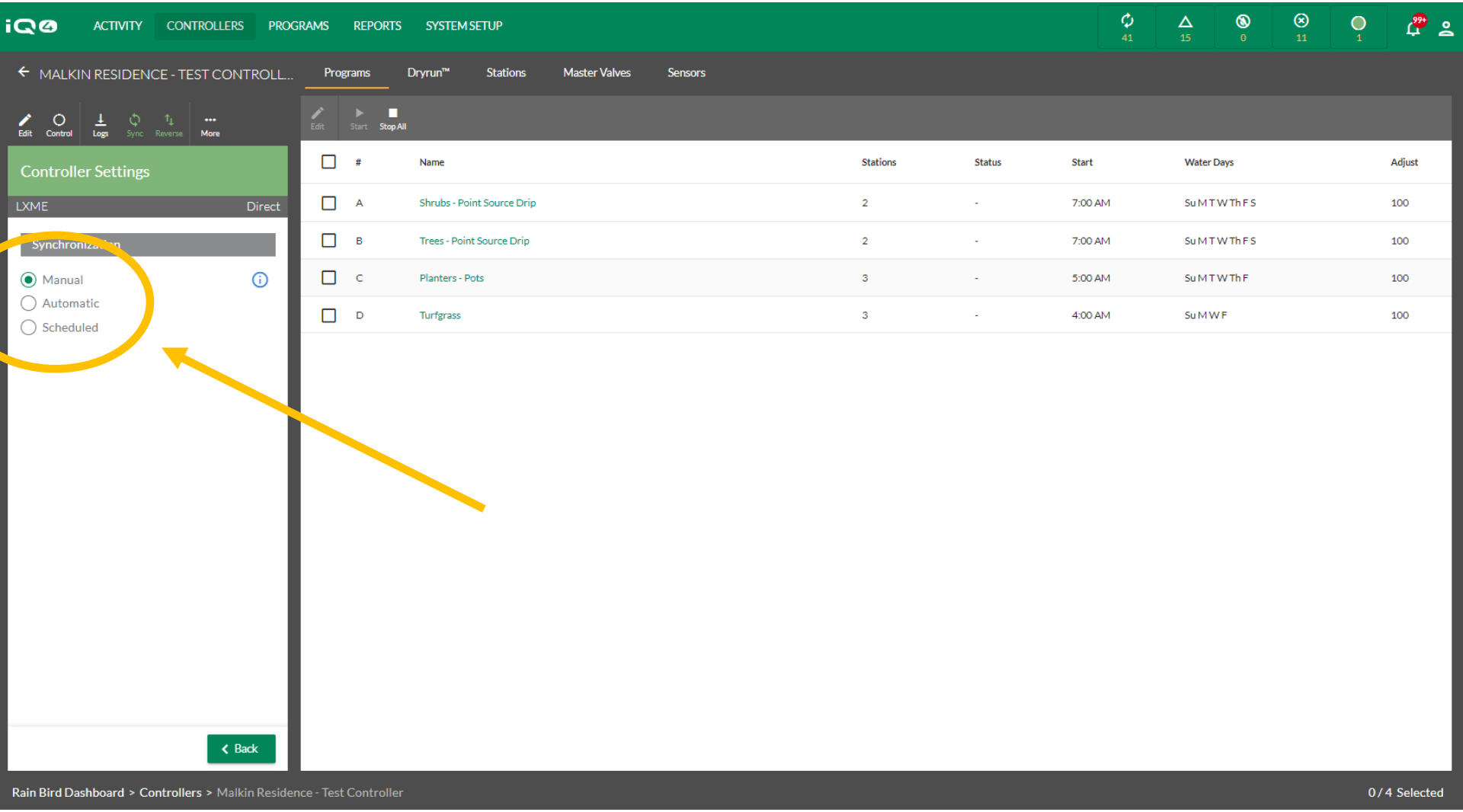
Scheduled Synchronizations



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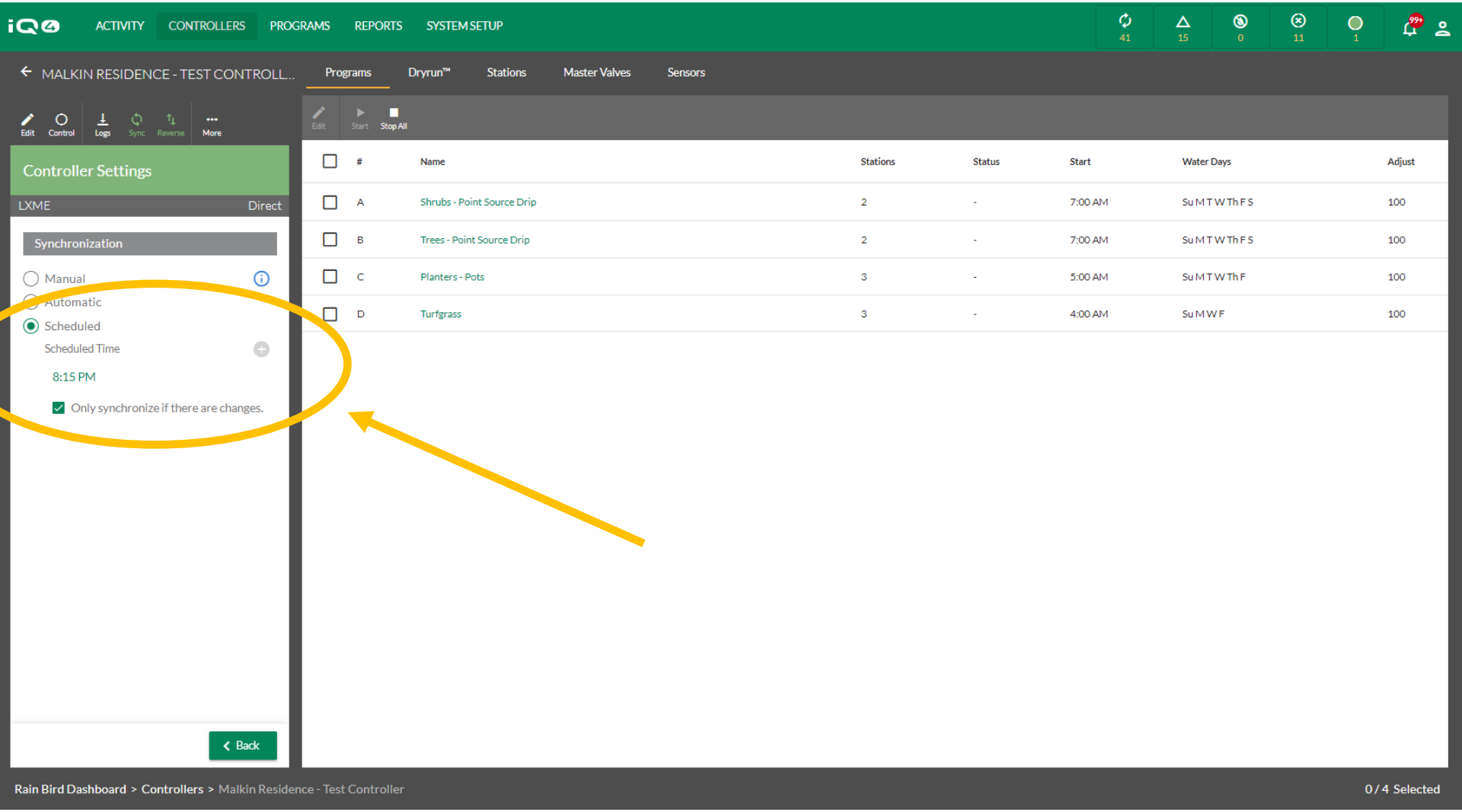
Scheduled Synchronizations



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Schedule Log Retrievals

- Log Retrieval functionality:
  - Manual: A log retrieval will only take place when the user clicks on the Logs icon and initiates the log retrieval
  - Automatic: IQ4 will determine when to retrieve logs from the controller. This normally takes place six hours after the first start time for the controller. If irrigation is still occurring, IQ4 will wait one hour and retry the log retrieval. It will continue this pattern until the logs are fully retrieved
  - Scheduled: The user sets a particular time for IQ4 to retrieve logs from the controller each day. The user can set up to 24 log retrieval times each day

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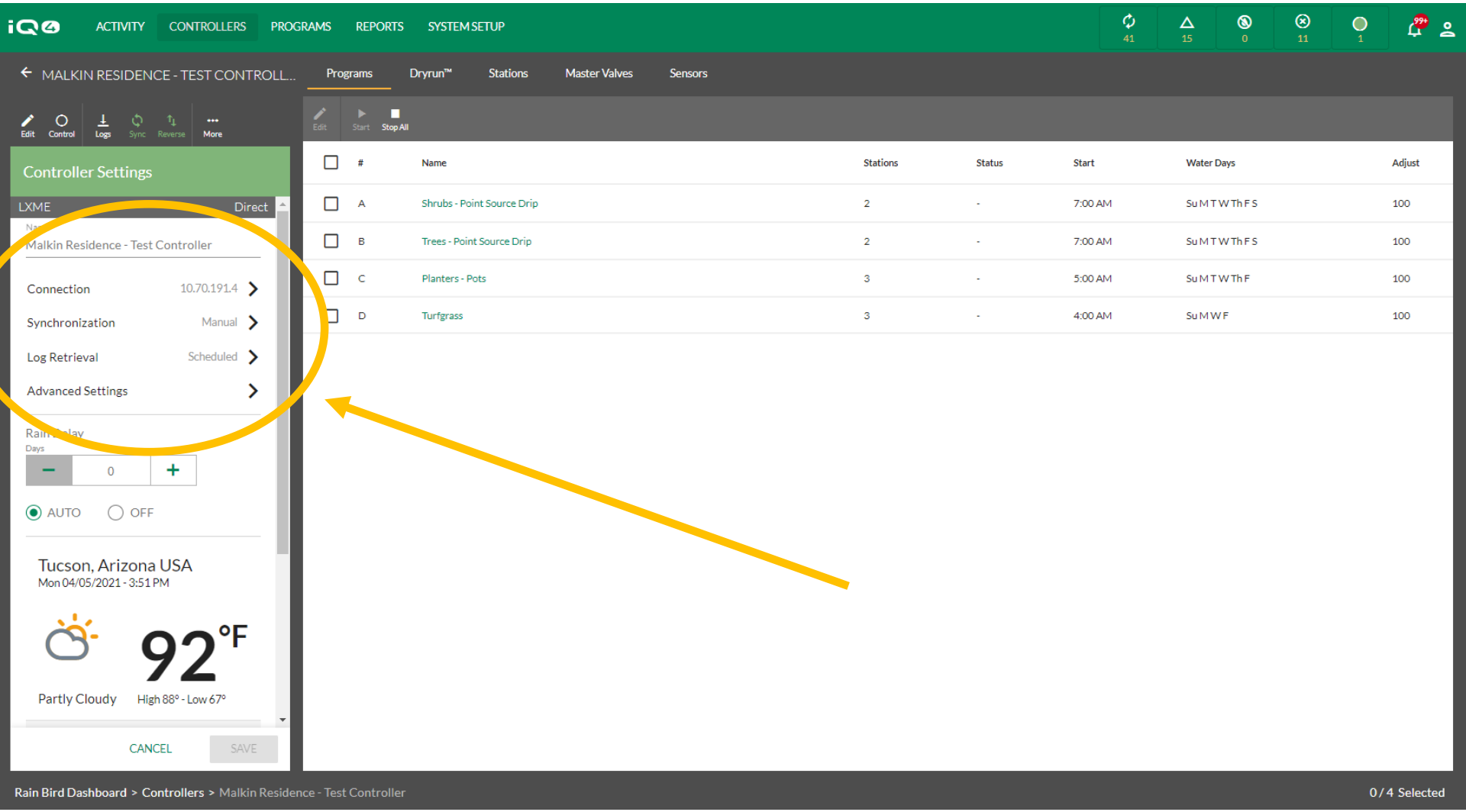
Schedule Log Retrievals



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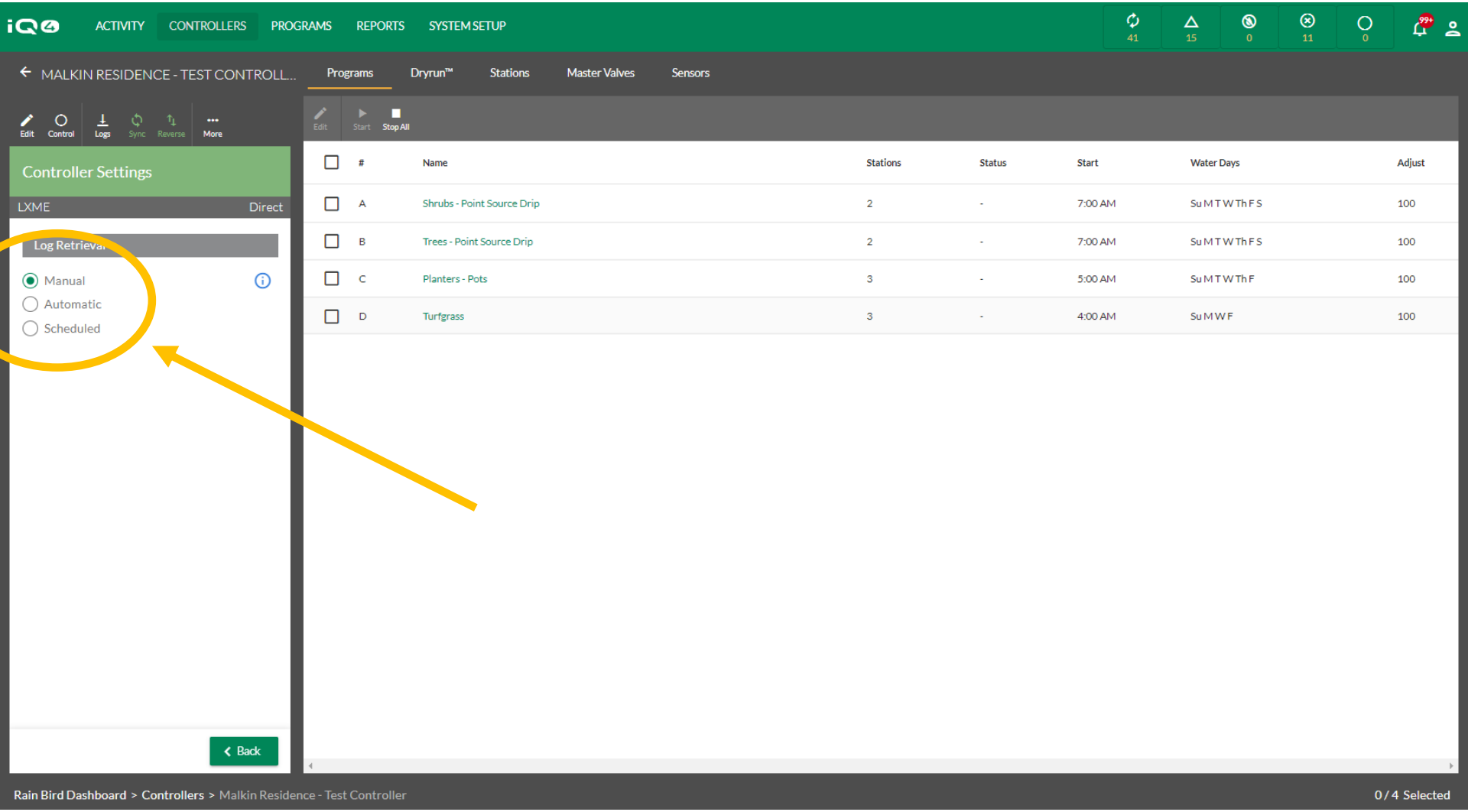
Schedule Log Retrievals



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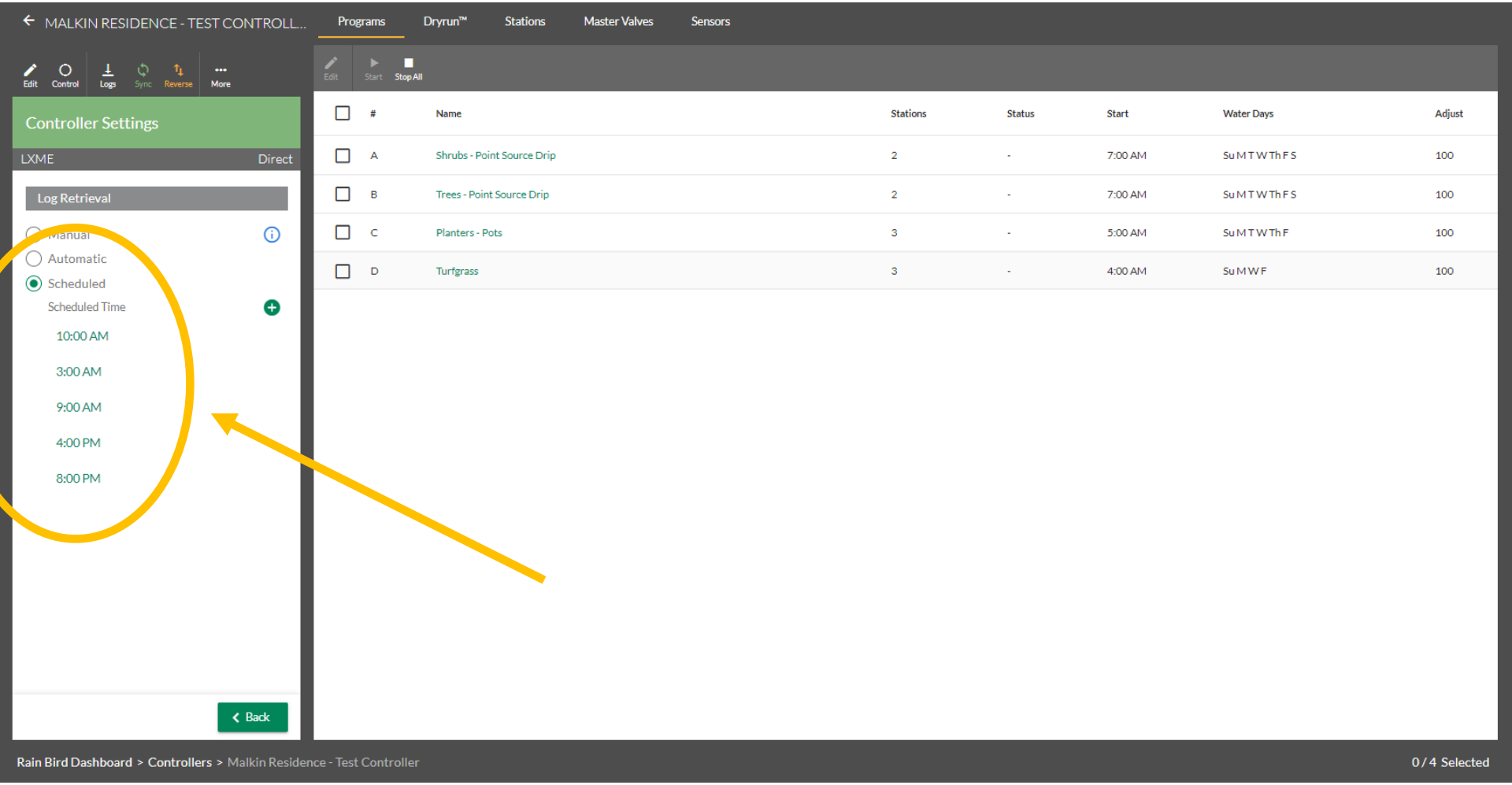
Schedule Log Retrievals



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Schedule Log Retrievals

- Best Practices
  - Log retrieval times need to be set AFTER all irrigation has completed. Reports may be incomplete if irrigation is still running when log retrievals are done
  - To assist with selecting good log retrieval times, the new Dryrun™ feature (coming soon) can show you when irrigation will end so you can properly schedule log retrieval times
    - Chart view
    - List view
    - Schedule view
  - Example: In the following slides, you can see both the start and end times with a Dryrun™ to allow for correct scheduling of the synchronization and log retrieval times

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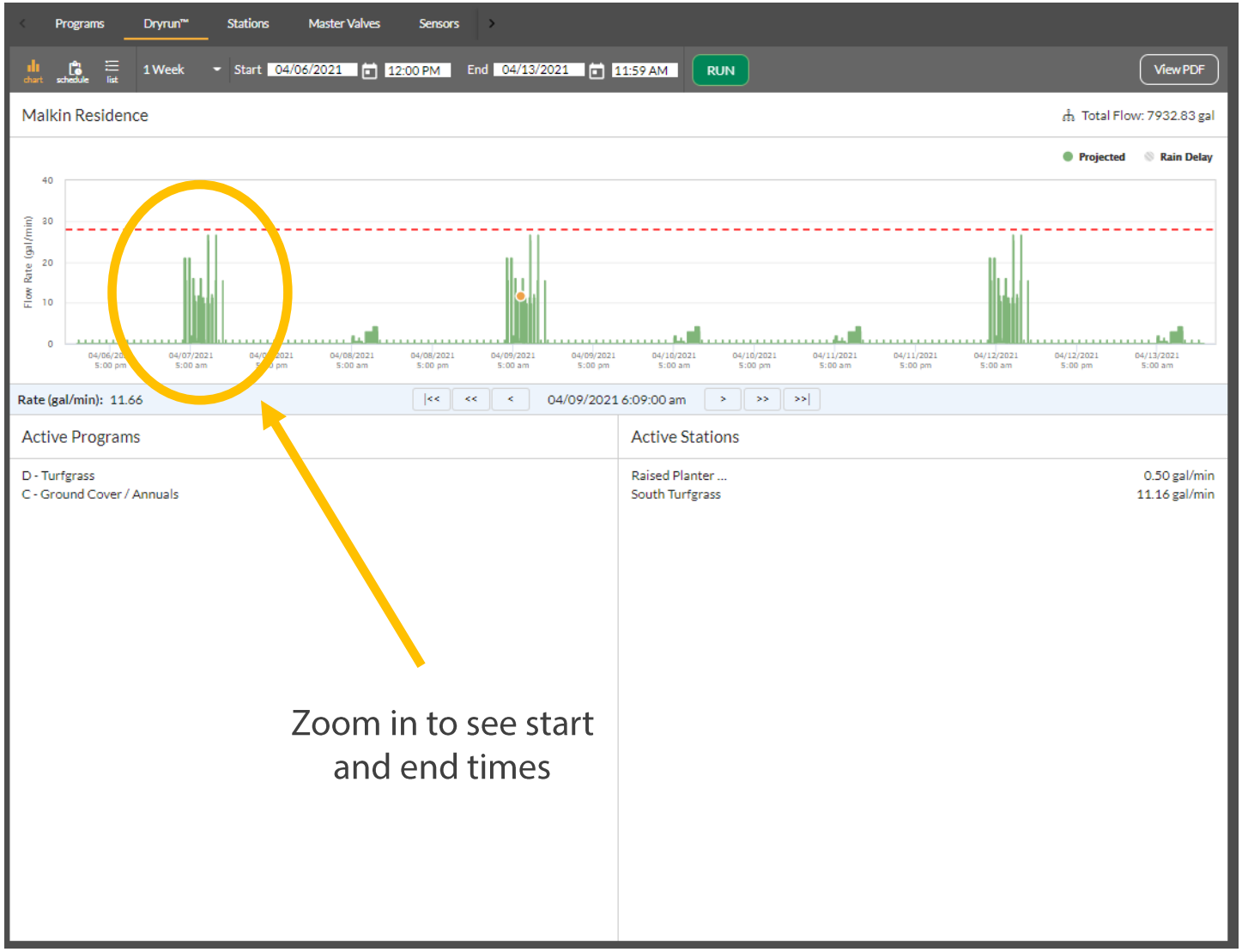
Schedule Log Retrievals



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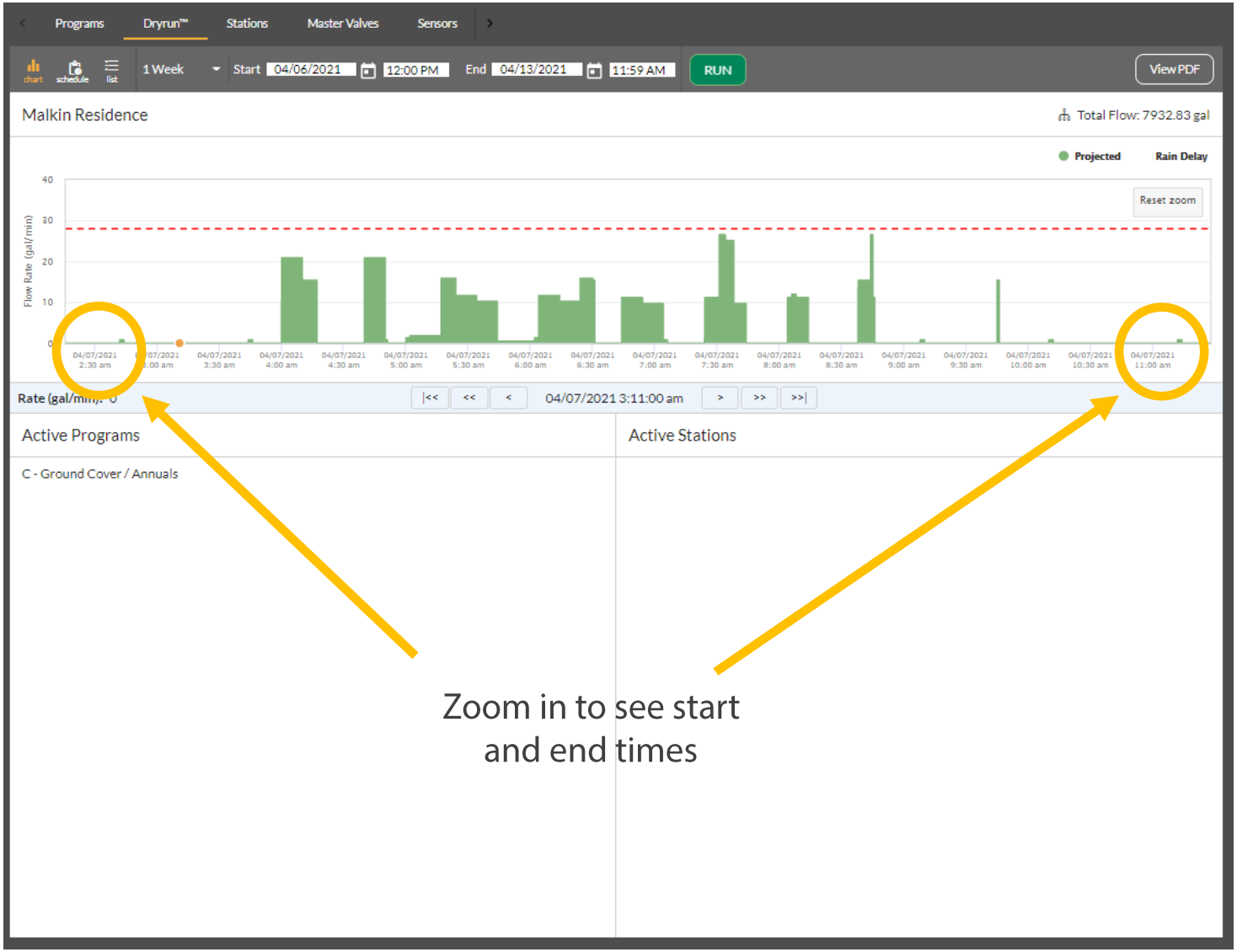
Schedule Log Retrievals



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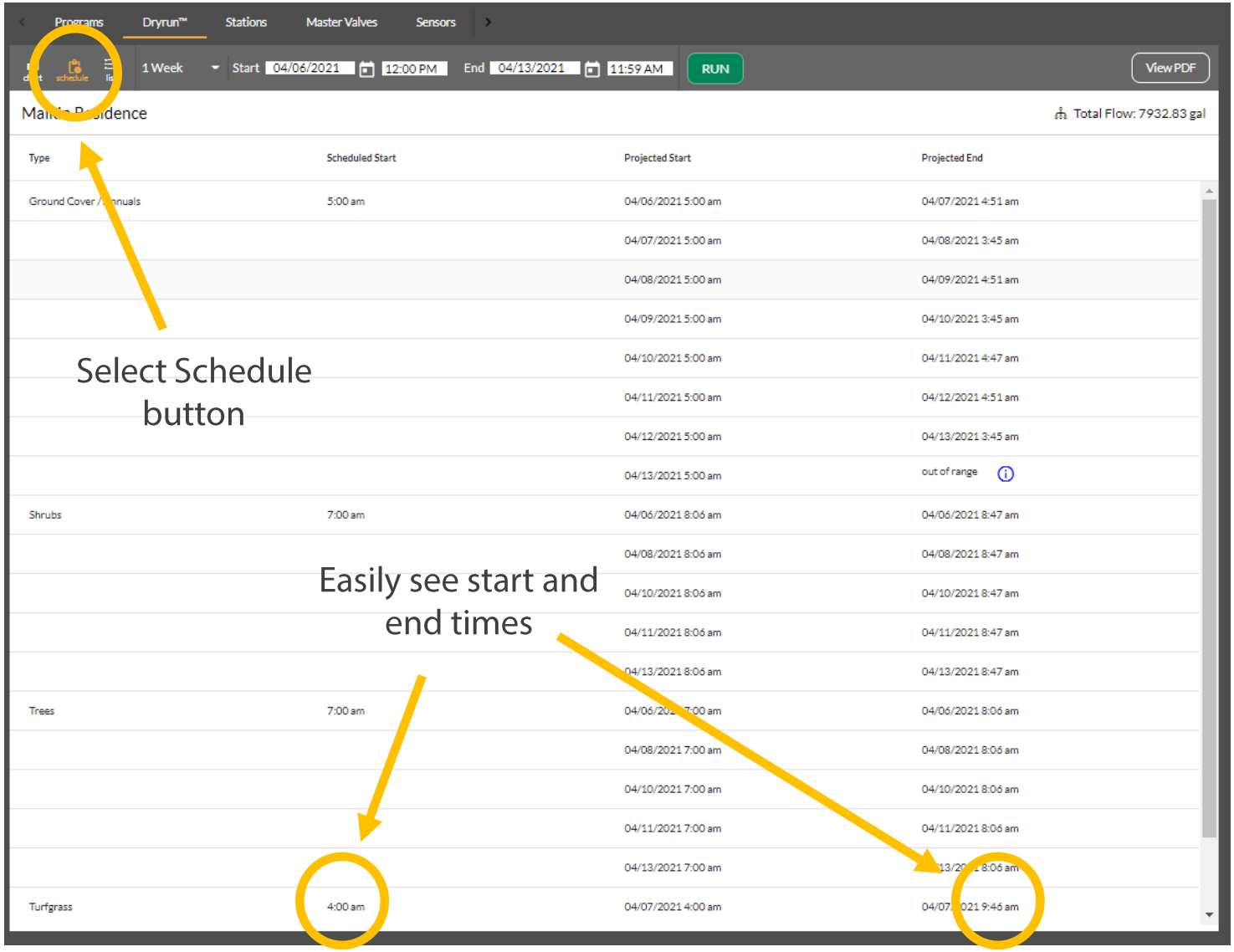
Schedule Log Retrievals



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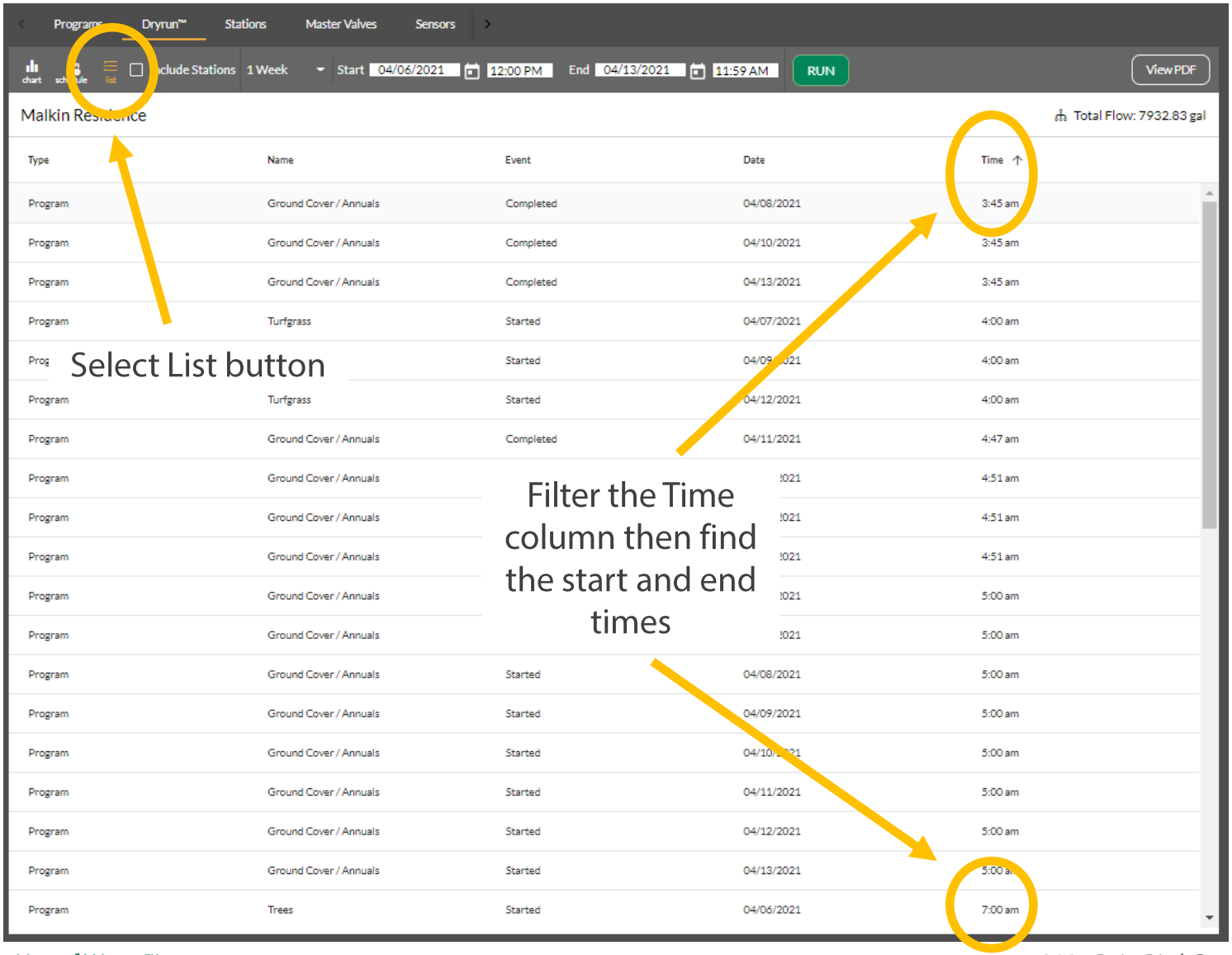
Schedule Log Retrievals



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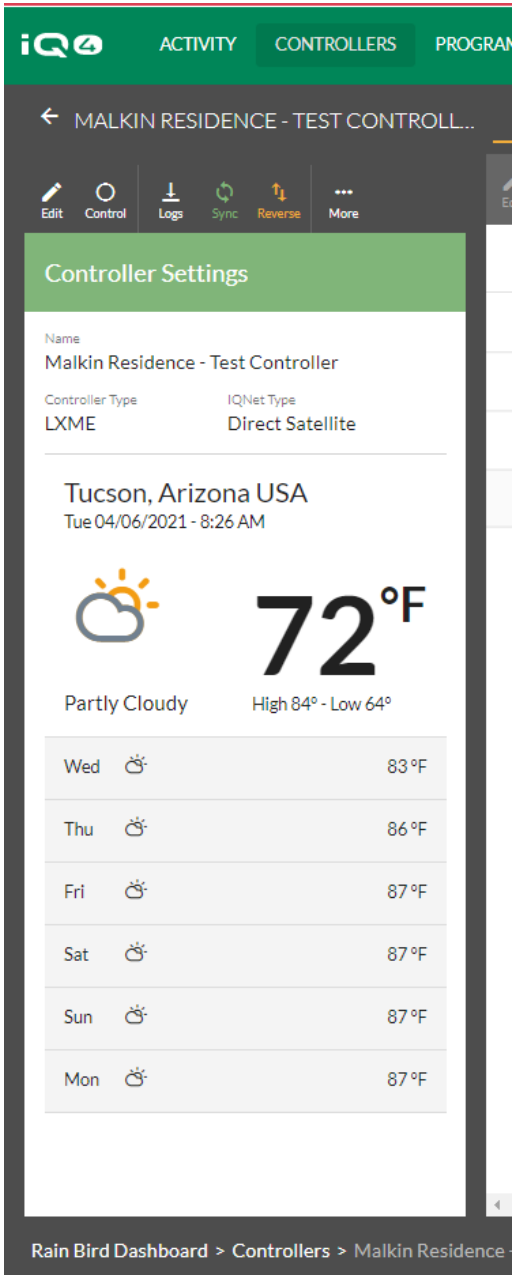
Weather Widget

- Weather Widget:
  - Provides a weather forecast for the next seven days for the controller weather source
  - If the controller does not have a weather source, the display will be blank
  - The weather forecast is update every time you update the controller page



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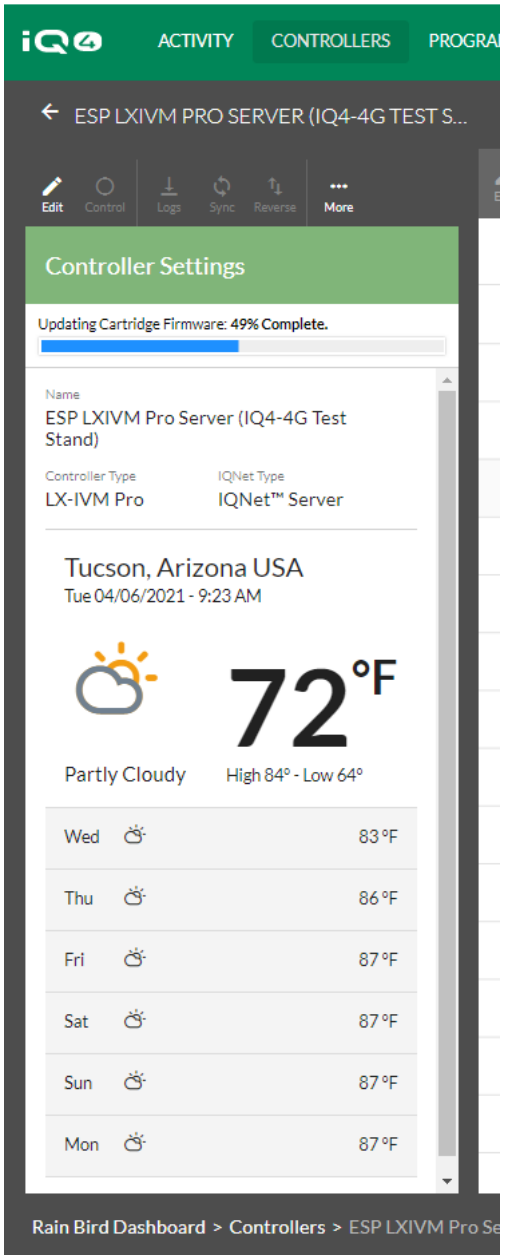
Firmware Restart

- LX-IVM Controllers can resume previously started firmware updates where the update left off
- The controller will automatically reconnect after 1-2 minutes and resume the Update Firmware process. When it resumes, it will first display 0% then jump to 10% (or wherever it failed) within another 1-2 minutes
- If you manually restart the Update Firmware process it will start over at 0%



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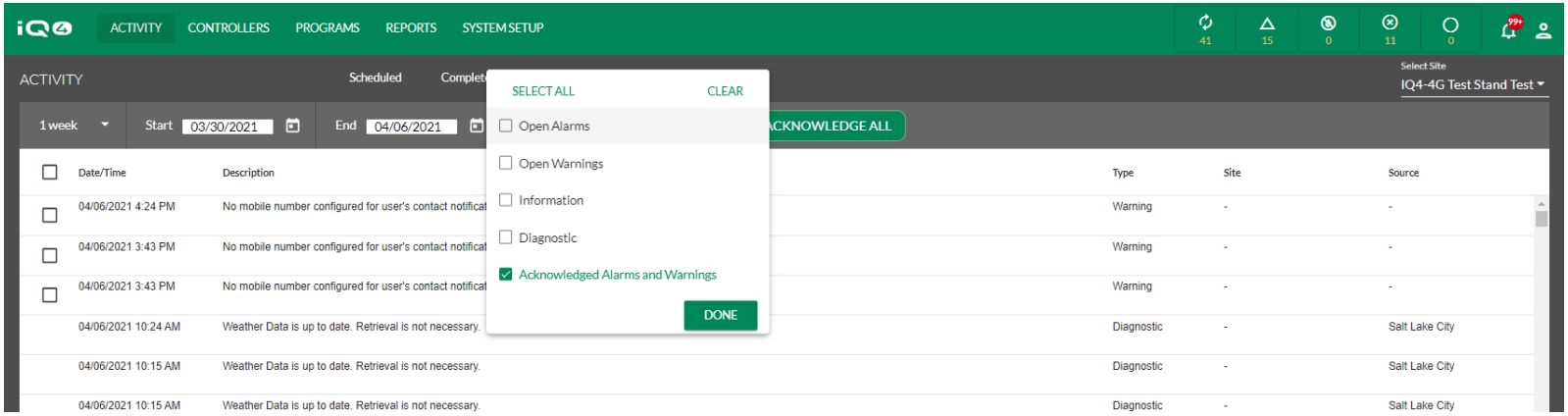
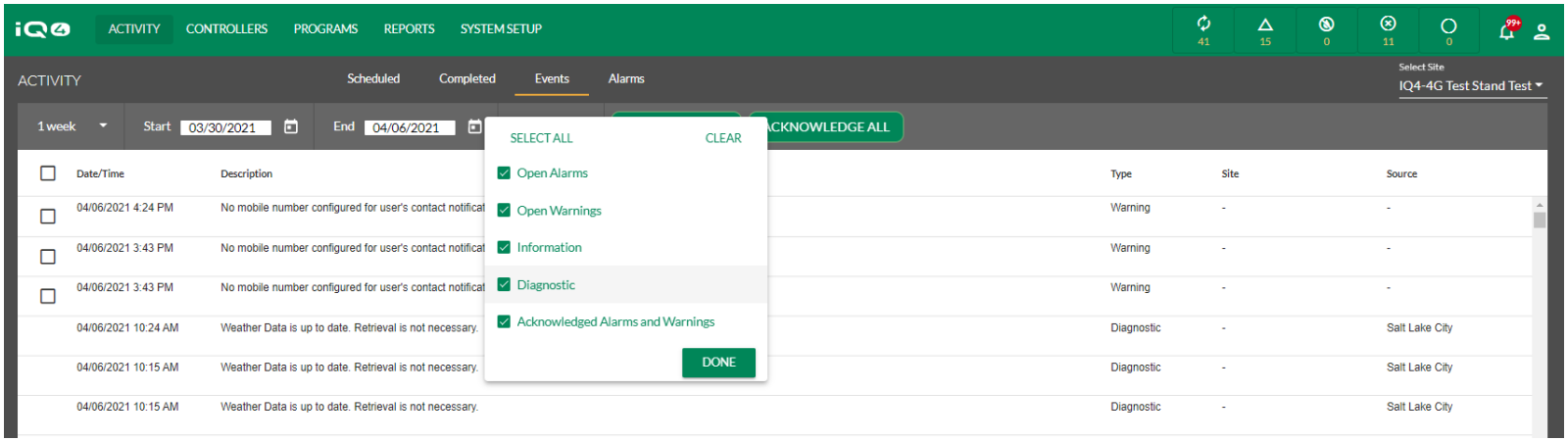
Alarm Activity Features

- Ability to see acknowledged alarms and filter by alarm type on activity screen





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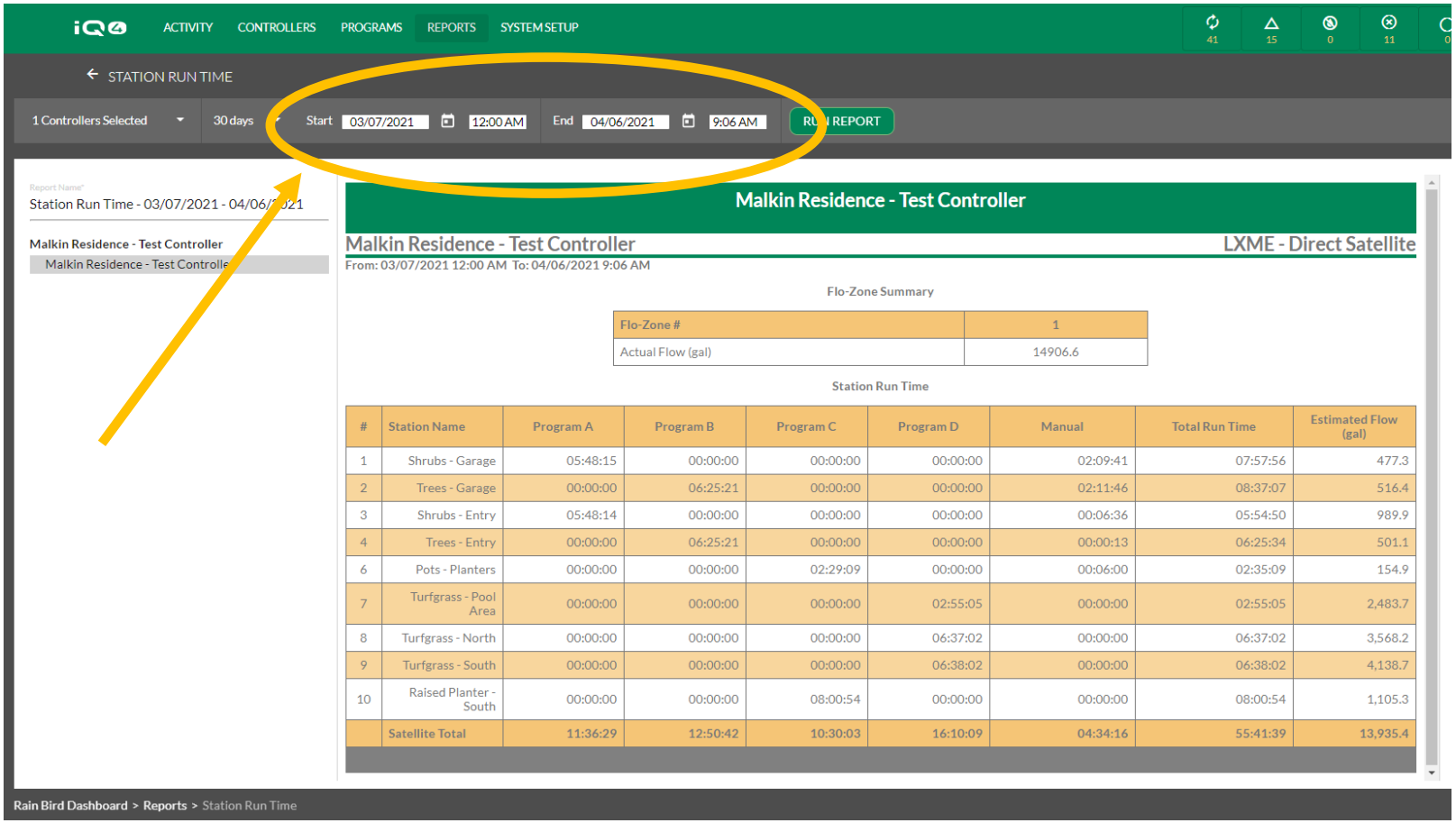
Report Time Selection

- Improved filters for selected reports to set hour and minute for start/end of report



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Water Management Report

- The water management report now has a total field for manual and scheduled irrigation

Report Name*
Water Management - 01/06/2021 - 04/05/2021

Malkin Residence - Test Controller
Malkin Residence - Test Controller

Malkin Residence - Test Controller

Malkin Residence - Test Controller — LXME - Direct Satellite

Weather Source: Oro Valley,Arizona,United States of America **Last Weather Retrieve Date:** 04/06/2021 08:56:31 AM

	Current Period	Previous Period	Difference	% Change
	01/06/2021 - 04/05/2021 11:59:59 PM	10/08/2020 - 01/05/2021 11:59:59 PM		
	Hrs:Min:Sec	Hrs:Min:Sec	Hrs:Min:Sec	
PGM A Total Run Time	18:43:27	49:07:58	30:24:31	-62%
PGM B Total Run Time	22:51:20	67:23:25	44:32:05	-66%
PGM C Total Run Time	22:16:34	67:03:15	44:46:41	-67%
PGM D Total Run Time	17:57:07	28:05:42	10:08:35	-36%
Total Manual Run Time	14:33:09	01:00:22	13:32:47	1346%
Total Run Time	96:21:37	212:40:42	116:19:05	-55%
Actual [illegible]	20,763.7 gal	36,393.7 gal	-15,630.1 gal	-43%
Estimated Flow *	19,618.0 gal	35,171.4 gal	-15,553.4 gal	-44%
Evapotranspiration:	12.8 in	18.9 in	-6.1 in	-32%
Rainfall	1.3 in	0.5 in	0.8 in	156%

* Based on current Station Flow Rates

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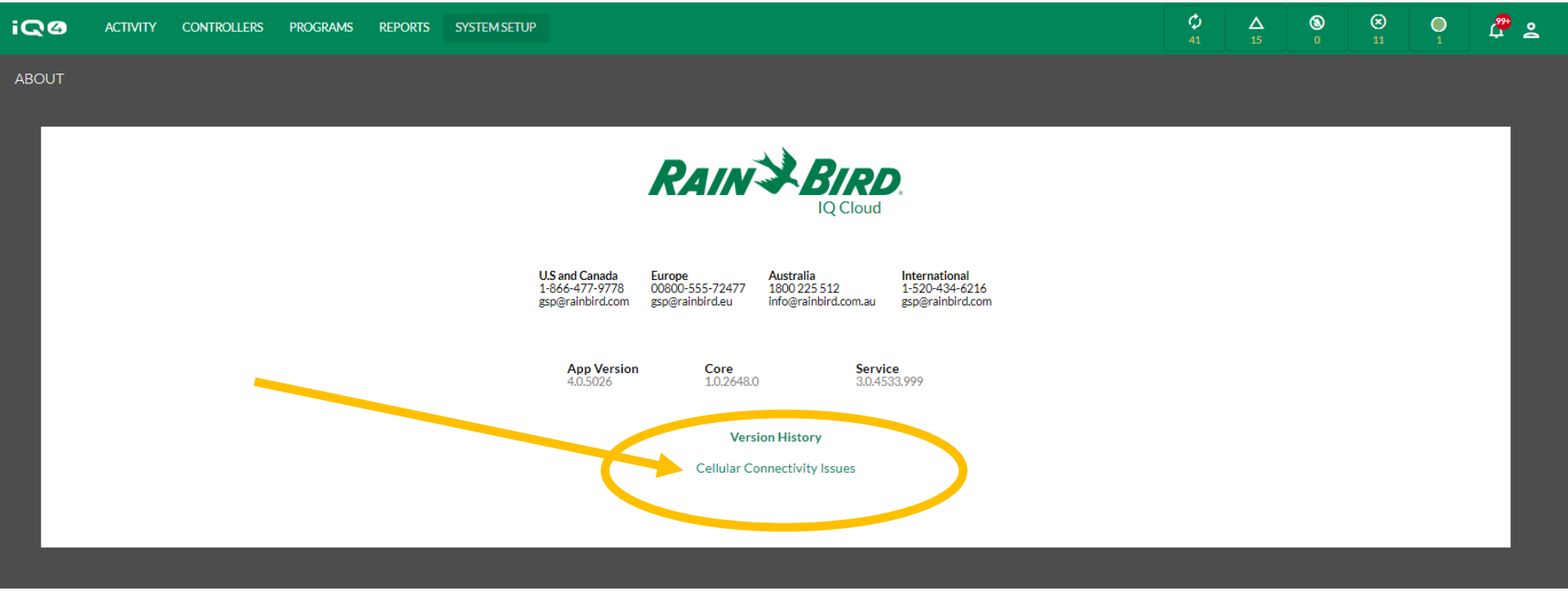
Cellular Troubleshooting Link



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FAQ

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