



# In-Kind Contribution Work Plan Walk Through

Aprajita Verma, Phil Marshall, Knut Olsen,  
Greg Madejski, Steve Ridgway, Steve Margheim and Bob Blum



U.S. DEPARTMENT OF  
**ENERGY**

# Work plan walk through goals

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- Meet the Rubin in-kind program coordination (IPC) team
- Walk through the process of completing work planning (**very important for contributions that started in FY21 or FY22\***) and subsequent reporting
- The goal is to help you get started and get feedback on any issues you might be facing
- We will discuss responsibilities for Contribution Leads (CLs) and Program Managers (PMs) in this process

We assume you've read parts of the [Manual for In-kind Contributors and Recipients](#) at [ls.st/RDO-41](https://ls.st/RDO-41), but not all of it, and that you have questions...

\* **FY22** corresponds to the Rubin financial year running 01 Oct 21 - 30 Sep 22

We appreciate that you will have questions, ways to get help

- Comprehensive [in-kind FAQs](#) are posted on community
- Q&A session after this talk
- **Office hours:** please [book slots here](#) for meetings with 1 or more IPCs
- Not sure whom to contact: write to [jikh@lsst.org](mailto:jikh@lsst.org)

### FAQ: In-kind Contributions and Data Rights Agreements

Support in-kind



drphilmarshall Phil Marshall LSST

2 20h

The In-kind Program Coordination (IPC) Team is working with the in-kind contribution teams, their Program Managers and recipient groups to implement the approved in-kinds. The [Handbook for In-kind Proposal Teams, RDO-31](#), and the [Manual for In-kind Contributors and Recipients, RDO-41](#), are useful references, but the IPCs are collecting FAQs as well. We'll update this post with more questions as we go.

#### Data Rights, Agreements and Access

- ▶ Q: What is the status of the data rights agreements?
- ▶ Q: Can PI-ship be reassigned within a team that asks for more than 1 PI?
- ▶ Q: What is the process for defining data rights holders, and how do we know how many PI slots we have?
- ▶ Q: Does 1 PI's worth of data access rights via in-kind contributions also come with 4 associated JAs, as in the previous MoAs with LSST?
- ▶ Q: Am I correct in thinking that our PIs, and their JAs, automatically get the same access to data processing facilities as US/Chilean astronomers?
- ▶ Q: On page 25 of the Handbook it says: 'Due to the diversity conditions of proposing groups and funding sources we do not distinguish between permanent staff or temporary staff in the exchange rate.' Does this imply that temporary staff who lead contributions will be considered as PIs if data rights are approved?
- ▶ Q: Could a JA be at any institution as long as the associated mentor is at an institution with data rights?
- ▶ Q: Did I see 2 different meanings for "IPC"? One for "In-kind", and one for "International"?
- ▶ Q: Once everything is sorted with whom will our data rights agreement actually be, Rubin Observatory, SLAC, NOIRLab or ...?
- ▶ Q: If a country has 5 different in-kind contributions to different SCs, will they have 5 different data rights agreements (DRAs) to sign?
- ▶ Q: With which agency or managing organization will IDAC DRAs be signed?
- ▶ Q: Will it be possible to extend a data rights agreement after it has been signed?
- ▶ Q: How often do you expect amendments to the data rights agreements?

#### Proposing Contributions

# The Rubin IPC Team is here to help make the in-kind contributions successful






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**Contribution IPC (C-IPC):** Each contribution has an assigned IPC, to help the **Contribution Lead** and to facilitate interactions between the **Contribution Lead** and the **Recipient** group as needed. Will check work plans (and updates) and will forward to the recipient groups.

**Program IPC (P-IPC):** Each in-kind program has an assigned IPC, to assist its **Program Manager** in programmatic issues, program and resource and deliverable tracking, program status

# The Rubin IPC Team is here to help make the in-kind contributions successful

In the Rubin Operations Director's Office we have a team of five In-kind Program Coordinators (IPCs) + advice from Phil & Bob + Heather Shaughnessy (DRH)

	<b>Steve Ridgway</b> (NOIRLab, AEON)	Telescope time and Datasets
	<b>Steve Margheim</b> (NOIRLab/Gemini)	Telescope time and Datasets
	<b>Knut Olsen</b> (NOIRLab)	IDACs and other computing resources
	<b>Aprajita Verma</b> (Oxford)	Software Development & Science Collaboration interactions
	<b>Greg Madejski</b> (SLAC)	Software Development
	<b>Phil Marshall</b> (SLAC, Rubin)	Rubin Recipients

# Manual for In-kind Contributors & Recipients

*Goal: help the Contribution Leads, Program Managers and Recipients work together to make each in-kind contribution succeed*

Living document, with current version PDF at [ls.st/RDO-41](https://ls.st/RDO-41)

Feedback is welcome, via [the form](#) in the introduction



## Manual for In-kind Contributors and Recipients

Phil Marshall, Bob Blum, Greg Madejski, Knut Olsen, Steve Ridgway, Aprajita Verma

**RDO-41**

**Latest Revision Date: July 28, 2021**

# The checklists in the appendix refer you back to detail sections in the main text: first general, then specific

- Section 2 describes the **main processes**: work planning, performance tracking, annual evaluation and quarterly updates, amending contributions and defining new ones
- Sections 3-6 add **guidelines specific to the different types of contribution** (telescope time and datasets, IDACs, software development effort, contributions to Rubin operations and commissioning)

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# Notes per contribution type

Please see PCW 21 session “**How to make and receive in-kind contributions**”  
[slides](#) & [recording](#)

Lots of information on the  
In-kind process as well as  
specific info per contribution  
Type

Updates only given here

Q&A arising incorporated into  
the In-kind program [FAQs](#)



The screenshot shows a Zoom meeting interface. On the left is a vertical banner with the Vera C. Rubin Observatory logo. The main area has a blue background with the title 'How to Make and Receive In-Kind Contributions' in white. Below the title, it says 'In-kind Workshop, Tuesday 1315 PDT, Rubin PCW 2021'. The speakers listed are Phil Marshall, Aprajita Verma, Knut Olsen, Greg Madejski, Steve Ridgway, and Bob Blum. It provides a Zoom link: <https://noirlab-edu.zoom.us/j/99081666573> and a Slack link: [Rubin2021\\_PCW Slack: #day2-tue-slot4d-workshop-in-kind](#). At the bottom are logos for NSF, NOIR Lab, AURA, SLAC, and the U.S. Department of Energy. A small video inset in the top right corner shows Phil Marshall speaking.



# Software contributions

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- **Requirements** setting
  - Contribution Leads are responsible for development of the initial set of technical requirements
  - Recipients are responsible for providing the high-level goals needed to define those
- **Standards** for software development:
  - Software must be **developed collaboratively**, in a shared, version-controlled, repository that is accessible to the recipient group
  - Code must be validated and clearly documented, and must be released **publicly** at the point of delivery of the final version to the recipients (if not before)
- Detailed information about the **coding standards** etc is spelled out in the Manual
  - **Contribution Leads** are responsible for the software developers in their teams adhering to those standards
  - **Program Managers** should ensure the team have the **training and skills** required to execute the contribution

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More soon!

# Telescope Time Contributions

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- Minor change to manual timeline
- **Contribution Leads:** Recommend reading the manual and work plan questions as soon as possible to help teams know what information is required
- Would be helpful for **contribution leads** to start filling in preparatory info in the work plan at least 12 months before the start (or as soon as known)
- Use the “**In progress**” feature of the work plan
- Profile explorer for TT includes a cell to specify the start date of work planning

# IDAC contributions

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- IDACs have time to get ready; not needed in operation until DR1
- We encourage delay in purchasing hardware
- Work planning should focus on:
  - Use cases
  - Establishing contact with relevant user communities
  - Planning for software and service layers needed
- Look for use case white paper from LINCC workshop “From Data to Software to Science with the Rubin Observatory”
- Look for workshop on joining use cases to computing resources

# Commissioning Contributions

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- Expecting 9 contributions from 6 program teams (UK, France, Italy, Japan, Korea, Spain BCN-MAD)
- Rubin Commissioning is assigning a point of contact to work with each Contribution Lead on work planning
  - *SITCOM is organizing technical direction of in-kind contributions in concert with supervision of US research teams' contributed labor (following last summer's AO)*
  - *All teams will need to work with their contacts to adapt to changes in schedule*
- Phil (IPC for commissioning) is providing link to the Work Plan form as these SITCOM contacts are identified

# Work Planning and Tools

# Responsibilities - Contribution Lead

The onus is on the CL to contact the recipient team to start work planning

Use the manual checklist (Appendix A) to help guide what you need to do when

If lost, please contact your **contribution IPC** (ask your PM if you don't know who that is) or [jikh@lsst.org](mailto:jikh@lsst.org) if you are unsure whom to contact

You must use the **assigned contribution ID** - ask your PM if unsure

The contributing team should be embedded in the recipient group, and we'll ask about your engagement in the work planning & quarterly updates

Checklist for Contribution Leads		
When	Action	Description
		Software/Datasets/Staff
T0 minus 3-4 months	Initial Contact with Recipient	The CL should initiate the the recipient group(s). If th recipients, please also cop addresses for the seconda  Please consult the <a href="#">contact manual</a> for recipient email  The main interaction will b primary recipient.
T0 minus 2-3 months	Drafting the <a href="#">work plan</a>	The work plan should out work following the descri <a href="#">contributions in the manu</a>  Directable and General Po contributions would requi from the recipient groups of contributions.
	Complete <a href="#">work plan</a>	The CL and Primary recipi
T0 minus 1-2 months	Plan for the next three months	Once agreed, the delivera  This, plus the work plan, s contribution.

# Responsibilities: Program Managers

- The PM should have a holistic overview of their program
- They should be familiar with the annual timeline and check-in with their CLs to make sure that anticipated tasks have started e.g. make sure that CL has contacted the recipient team to start work planning, that work plan or quarterly update has been submitted
- Use the manual checklist (Appendix B, Sect 1.1) to help guide what you need to do when
- If lost, please contact your program IPC or [jikh@lsst.org](mailto:jikh@lsst.org) if you are unsure whom to contact

Checklist for Program Managers

When	Action	Description
		Software/Datasets/ST
T0 minus 3 months	Initial Contact with the contribution lead (CL)	Check in with your CLs
T0 minus 1 month	Plan for the next three months & acceptance	Confirm with CLs that
T0	Start of work	Verify and log receipt of work
T0 plus 1 quarter - week 1 to 3 of month 3 This step occurs in Q2, Q3, and Q4	Recipients review of the <a href="#">Quarterly update</a>	Be available to the CLs. Ensure that all reports are submitted by the CL
T0 plus 1 quarter: end of week 3 of month 3	<a href="#">Quarterly update</a> feedback	Review any feedback that has been made. Engage with CLs
End of September - week 2	<a href="#">Annual Performance Evaluation</a>	Ensure that all the program ensure contributions are submitted. The annual evaluation is the responsibility to flag to
Mid - late November	<a href="#">Annual Performance Evaluation</a> - feedback and implementation	Review any feedback from CLs. Notify the recipients a



# Responsibilities: Program Managers

Check that the contributing team are embedded in the recipient groups & facilitate discussion if not

Program Managers maintain the list of data rights holders covered by their program, and provides regular updates of this list to Rubin (on request).

- The PM will need to be(come) well known to their program's community!
- Annual updates are expected in May each year
- DRH lists are managed by [Heather Shaughnessy](#) who will contact each PM with the annual DRH form
- Public DRH list is available [here](#)

PMs are responsible for completing and checking the **Profile Explorers** are up-to-date, your **P-IPC will contact you in May to check**

At that time, PMs should communicate delays or confirmation of funding to the Program and Contribution IPCs or when changes are known

## Checklist for Program Managers

When	Action	Description
		Software/Datasets/ST
T0 minus 3 months	Initial Contact with the contribution lead (CL)	Check in with your CLs
T0 minus 1 month	Plan for the next three months & acceptance	Confirm with CLs that
T0	Start of work	Verify and log receipt of work
T0 plus 1 quarter - week 1 to 3 of month 3 This step occurs in Q2, Q3, and Q4	Recipients review of the <a href="#">Quarterly update</a>	Be available to the CLs. Ensure that all reports are submitted by the CLs
T0 plus 1 quarter: end of week 3 of month 3	<a href="#">Quarterly update</a> feedback	Review any feedback that has been made. Engage with CLs
End of September - week 2	<a href="#">Annual Performance Evaluation</a>	Ensure that all the programs ensure contributions are up-to-date. The annual evaluation is the responsibility to flag to
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# Demos & Walk through

# Contribution Viewer

We will go through the Rubin In-kind Program **Contribution Viewer** that is a running log of your contributions (including contact info)

Note all of the Rubin In-kind system is based on your **contribution ID**

- if you are unsure, please ask with your **program manager**

Access info & passcodes will be sent to Program Managers shortly

- **Program Managers:** please only share code of a contribution with the CL of that contribution

## Welcome

Welcome to the Rubin in-kind contribution viewer!

Here, you will find a collection of information pertaining to each contribution. This includes the Statement of Work and links to the corresponding implementation plan, the timeline of effort, telescope time, or CPU time. In addition the developed work plan and the subsequent update and evaluation stages are all accessible from this web page.

## How to use this viewer

You will need to select the contribution ID and then enter the corresponding passcode provided to you by your Program Manager.

If the passcode has been input correctly, you will see a button to click to show the contribution info.

It may take a up to a minute for the contribution info to be populated. You can tell if the information has successfully loaded when the contribution ID appears in the title "Key information for Rubin LSST In-kind Contribution CONTID".

Once loaded you should be able to view all elements of the program from contact info to the latest reports. Please expand the drop down sections to read elements of the viewer.

To load another contribution, please use the 'Clear Form' button.

## Select Contribution

Select a contribution from the list to see the details. If you do not know your contribution ID please contact your program manager.

Contribution ID

Passcode

## Key information for Rubin LSST In-kind Contribution -

### Contribution Summary

► Click here for summary information including contact information and the Statement of Work for -

### Contribution Implementation Plan

► Click here for the Implementation Plan (accepted proposal) for -

### Contribution Profile Explorer

► Click here to access the Profile Explorer for the contribution for -. The link will only lead to a sheet if the explorer exists.

# Contribution Viewer Demo

# Profile Explorers

Each program has a **Profile Explorer workbook** with 1 tab per contribution

The content of the explore depends on the contribution type

Last May we checked all FTE based contributions, profiles now exist for **all contributions**

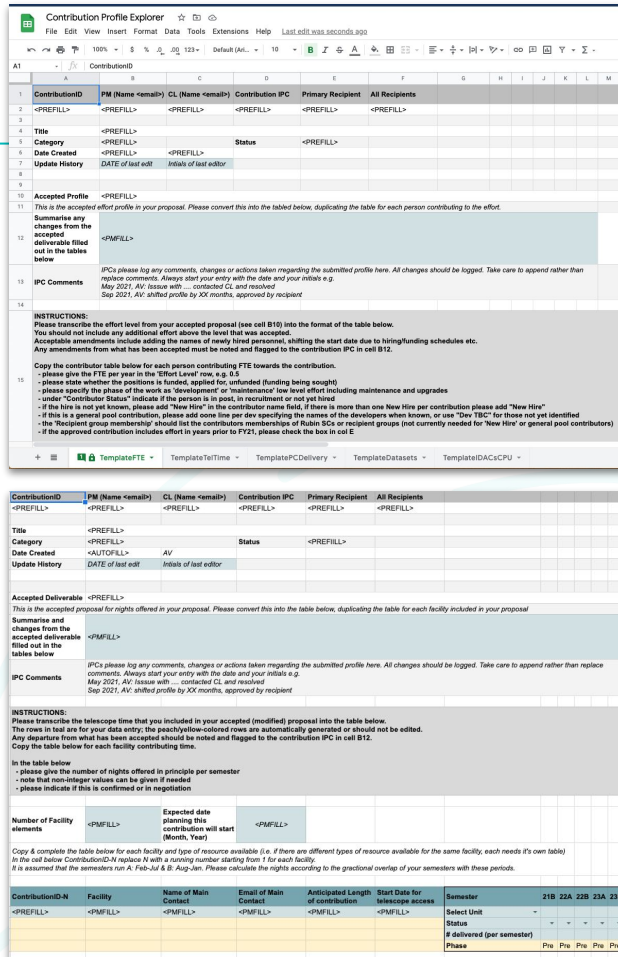
**Program IPCs** will contact the **Program Managers** (PMs are responsible for this)

- Check last years FTE based submitted ones
- Fill out non-FTE based ones

Don't forget **start date**, for Telescope & IDACs start date for planning in the WPs which can be 12 months or more before the start

For FTE we did not explicitly ask for a Month, Year start date last May, but we will collect this info in the forthcoming Spring 22 Check

The Profile Explorers are accessed through the Contribution Viewer or emails sent by P-IPCs



The screenshot shows the 'Contribution Profile Explorer' workbook with multiple tabs. The 'TemplateFTE' tab is active, displaying a form for FTE-based contributions. The form includes sections for 'Contribution Information', 'Accepted Profile', 'IPCs', and 'Instructions'. The 'Contribution Information' section contains fields for ContributionID, PM (Name <email>), CL (Name <email>), Contribution IPC, Primary Recipient, and All Recipients. The 'Accepted Profile' section includes a table for 'Summarize any changes from the accepted deliverable' and a section for 'IPCs'. The 'Instructions' section provides detailed guidance on how to fill out the form, including instructions on how to enter the start date and how to handle non-integer values.

ContributionID	PM (Name <email>)	CL (Name <email>)	Contribution IPC	Primary Recipient	All Recipients
<PREFILL>	<PREFILL>	<PREFILL>	<PREFILL>	<PREFILL>	<PREFILL>

Title	Category	Date Created	Update History
<PREFILL>	<PREFILL>	AV	DATE of last edit

Number of Facility elements	Expected date planning this contribution will start (Month, Year)
<PREFILL>	<PREFILL>

ContributionID-N	Facility	Name of Main Contact	Email of Main Contact	Anticipated Length of contribution	Start Date for telescope access	Semester	21B	22A	22B	23A	23B
<PREFILL>	<PREFILL>	<PREFILL>	<PREFILL>	<PREFILL>	<PREFILL>	Select Unit	-	-	-	-	-
						Status					
						# delivered (per semester)					
						Phase	Pre	Pre	Pre	Pre	Pre

# Profile Explorer Demo

# Work Plan Demo

<https://ls.st/in-kind-work-plan-form-v1>

## In-kind Contribution Work Plan

Contribution Leads, this form is designed for you to develop and update your Work plans for your contributions. It mirrors the information requested in the Manual for In-Kind Contributions (<https://ls.st/RDO-41>), but please also refer to the specific instructions summarised there when writing your work plans.

You may wish to complete this form in parts before it is ready for review. The final question on the work plan asks you whether the plan is still in progress or ready to submit. For the former, you can edit your response by following the link in the confirmation email. Once you are happy with the work plan, please select "Ready for Review" so that we know when you are done. The work plan will then be sent to your contribution IPC and Recipient contact(s). The recipient groups will be asked to approve the work plan. Any amendments arising from this review will be communicated to you.

The work plan compiles the top-level objectives for the contribution, and captures any contribution-type specific information. Key elements such as deliverables and milestones towards reaching those deliverables should be outlined, along with an estimate of the timeline for achieving milestones and/or delivery.

A work plan should be submitted for each contribution identified by a unique ID - the contribution ID of the form XXX-YYY-SN where N is a running number for each program element. If your contribution (denoted by the ID) includes more than one element or more than one contributor, please describe each in this form but do not submit multiple forms for a single contribution ID. In the case of FTE, the effort of different contributors should be summarised, describing the elements each person is working on. In the case of multiple resources e.g., datasets, processing, storage etc., the work plan similarly should summarise each element of the contribution.





# Quarterly Update Demo

<https://forms.gle/xFCMEo6gwio3nt4GA>

## Rubin In-Kind Quarterly Update

Contribution Leads will use this form to provide the quarterly update on your contribution. Note that to keep the process streamlined, we are expecting that this report focusses on any issues arising from the previous quarters work, otherwise assumes activities described in the previous quarter were carried out as planned. Please refer to the specific instructions for different contribution types in the Manual for In-Kind Contributions (<https://ls.st/RDO-41>).

If your contribution (denoted by the contribution ID) includes more than one element or more than one contributor, please describe each in this form but do not submit multiple forms for a single contribution ID. In the case of FTE, the effort of different contributors should be summarised, describing the elements each person is working on. In the case of multiple resources e.g., datasets, processing, storage etc., the work plan similarly should summarise each element of the contribution.

The primary audience for the report are your Recipient group(s) and the contribution IPCs. The Program Manager and IPCs may also view this report. The Primary recipient group will accept and provide feedback, if any, on the update.

You are welcome to make any confidential comments to your contribution IPC by email, if needed.

aprajitaverma1@gmail.com [Switch account](#)



\* Required

Email \*

Your email

Submitted by name \*

Please add the name (Last Name, First Name) of the main person who wrote and submitted this form. Other contributors can be added later.

Your answer

# Timeline Change - Spring 2022 Status Check

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- For now, we are focused on the initial in-kind program (Sep 20 and Sep 21 contributions)
- Changes to profiles may be considered (e.g. start date shifts, funding constraints)
- The March 2022 proposal review (as described in the Manual) will be replaced by a **Spring 2022 status check in May** on the profile explorer including start dates, staff changes, schedules and funding status or possibly scope according to the needs of the recipient.
  - **This will be led by the Program IPC working with the Program Managers**
    - The program managers should consult with CLs and report back to the P-IPC
    - Much like the FTE Profile Check carried out by P-IPCs with PM last May
  - For any significant changes, the CEC may be called upon by the Ops Director if needed

Key:

Annual  
Evaluation

Quarterly  
Updates

Status  
Check /  
Review

# 2021

January							February							March						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
					1	2		1	2	3	4	5	6		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28							28	29	30	31			
31																				

April							May							June						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
					1	2							1		1	2	3	4	5	
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
							30	31												

July							August							September						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
					1	2		1	2	3	4	5	6		1	2	3	4	5	6
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31					26	27	28	29	30		

October							November							December						
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					1	2		1	2	3	4	5	6		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31	
31																				

Q1

# 2022

January							February							March						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1							1		1	2	3	4	5	
2	3	4	5	6	7	8	6	7	8	9	10	11	12	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28						27	28	29	30	31		
30	31																			

April							May							June						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1	1	2	3	4	5	6	7		1	2	3	4	5	
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
24	25	26	27	28	29	30	29	30	31					26	27	28	29	30		

July							August							September						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1		1	2	3	4	5	6		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	19	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24
24	25	26	27	28	29	30	28	29	30	31				25	26	27	28	29	30	
31																				

October							November							December						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1		1	2	3	4	5	6		1	2	3	4	5	6
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31
30	31																			

Q2

Q3

FY22  
AE

Q1

# Q&A

Any questions we don't get to and aren't in the [In-kind FAQs](#) can be submitted to [jikh@lsst.org](mailto:jikh@lsst.org)