

ImageServ API - v1[Deprecated]

This page documents ImageServ v1 API that aims to be compliant with supporting essential VO interfaces, specifically [DALI 1.1](#) and [SODA 1.1](#). The formal specification for [ImageServ API v1](#)

is written per [JSON Schema Specification](#). The following table is one equivalent URL representation of the ImageServ v0 examples:

#	API	Description	Parameters	Return Value	Example
VO_1 [NEW]	GET /api/image/v1/availability	Get the current status on the availability including supported API versions of this service.		Return the current list of image repositories and their access URLs available.	<pre>{ "Status": "imageREST_v1 is accepting queries.", "available": "true" }</pre>
VO_2 [NEW]	GET /api/image/v1/capabilities	Get the image repositories available on this service.			<pre>{ "availability": { "url": "image/v1 /availability" }, "query": { "url": "image/v1 /DC_W13_Stripe82", "interface": ["DAX"] }, "capabilities": { "url": "image/v1 /capabilities" } }</pre>
I_1	GET /api/image/v1/<db id>?ds=raw&ra=<%f>&dec=<%f>&filter=<%c>	Get raw full image closest to RA/Dec.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=raw&ra=359.195&dec=-0.1055&filter=r
I_2	GET /api/image/v1/<db id>?ds=raw&run=<%d>&camcol=<%d>&field=<%d>&filter=<%c>	Get raw full image by DM Butler Datald.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=raw&run=5646&camcol=4&field=694&filter=g
I_3	GET /api/image/v1/<db id>?ds=raw&sid=<%d>	Get raw full image by Scienceld.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=raw&sid=3325410171
I_4	GET /api/image/v1/<db id>?ds=raw&ra=<%f>&dec=<%f>&filter=<%c>&width=<%f>&height=<%f>&unit=arcsec	Get raw cutout image at RA /Dec with dimensions in arcsec.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=raw&ra=359.195&dec=-0.1055&filter=r&width=30.0&height=45.0&unit=arcsec
I_5	GET /api/image/v1/<db id>?ds=raw&ra=<%f>&dec=<%f>&filter=<%c>&width=<%f>&height=<%f>&unit=pixel	Get raw cutout image at RA /Dec with dimensions in pixel.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=raw&ra=359.195&dec=-0.1055&filter=r&width=30&height=45&unit=pixel
I_6	GET /api/image/v1/<db id>?ds=calexp&ra=<%f>&dec=<%f>&filter=<%c>	Get calexp full image at RA /Dec.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=calexp&ra=37.644598&dec=0.104625&filter=r
I_7	GET /api/image/v1/<db id>?ds=calexp&run=<%d>&camcol=<%d>&field=<%d>&filter=<%c>	Get calexp full image at RA /Dec by DM Butler Datald.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=calexp&run=5646&camcol=4&field=694&filter=g
I_8	GET /api/image/v1/<db id>?ds=calexp&sid=<%d>	Get calexp full image by Scienceld.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=calexp&sid=3325410171
I_9	GET /api/image/v1/<db id>?ds=calexp&ra=<%f>&dec=<%f>&filter=<%c>&width=<%f>&height=<%f>&unit="arcsec"	Get calexp cutout image with dimensions in arcsec.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=calexp&ra=37.644598&dec=0.104625&filter=r&width=30.0&height=45.0&unit=arcsec
I_10	GET /api/image/v1/<db id>?ds=calexp&ra=<%f>&dec=<%f>&filter=<%c>&width=<%f>&height=<%f>&unit=pixel	Get calexp cutout image with dimensions in pixel.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=calexp&ra=37.644598&dec=0.104625&filter=r&width=100&height=100&unit=pixel

I11	GET /api/image/v1/<db id>?ds=calexp?sid=<%d>&ra=<%f>&dec=<%f>&width=<%f>&height=<%f>&unit=arcsec	Get calexp cutout image by ScienceID with dimensions in arcsec.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=calexp&sid=5646240694&ra=37.6292&dec=0.104625&width=30.0&height=45.0&unit=arcsec
I12	GET /api/image/v1/DC_W13_Stripe82?ds=calexp&sid=<%d>&ra=<%f>&dec=<%f>&width=<%d>&height=<%d>&unit=pixel	Get calexp cutout image by ScienceID with dimensions in pixel.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=calexp&sid=5646240694&ra=37.6292&dec=0.104625&width=100&height=100&unit=pixel
I_13	GET /image/v1/<db id>?ds=deepcoadd&ra=<%f>&dec=<%f>&filter=<%c>	Get deepcoadd full image closest to RA/Dec.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=deepcoadd&ra=19.37995&dec=-0.3146&filter=r
I_14	GET /api/image/v1/<db id>?ds=deepCoadd&tract=<%d>&patch=<%d>,<%d>&filter=<%c>	Get deepcoadd full image by DM Butler DataId.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=deepcoadd&tract=0&patch=225,1&filter=i
I_15	GET /api/image/v1/<db id>?ds=deepcoadd&sid=<%d>	Get deepcoadd full image by ScienceID.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=deepcoadd&sid=23986176
I_16	GET /api/image/v1/<db id>?ds=deepcoadd&ra=<%f>&dec=<%f>&filter=<%c>&width=<%f>&height=<%f>&unit=arcsec	Get deepcoadd cutout image at RA/Dec with dimensions in arcsec.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=deepcoadd&ra=19.36995&dec=-0.3147&filter=r&width=115&height=235&unit=arcsec
I_17	GET /api/image/v1/<db id>?ds=deepcoadd&ra=<%f>&dec=<%f>&filter=<%c>&width=<%f>&height=<%f>&unit=pixel	Get deepcoadd cutout image at RA/Dec with dimensions in pixel.	filter: g, i, r, u, z	FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=deepcoadd&ra=19.36995&dec=-0.3147&filter=r&width=115&height=235&unit=pixel
I18	GET /api/image/v1/<db id>?ds=raw&sid=<%d>&ra=<%f>&dec=<%f>&width=<%d>&height=<%d>&unit=arcsec	Get raw cutout image by ScienceID at RA/Dec with dimensions in arcsec.		FITS image	GET /image/v1/DC_W13_Stripe82?ds=raw&sid=5646240694&ra=37.6292&dec=0.104625&width=30.0&height=45.0&unit=arcsec
I19	GET /api/image/v1/<db id>?ds=raw&sid=<%d>&ra=<%f>&dec=<%f>&width=<%d>&height=<%d>&unit=pixel	Get raw cutout image by ScienceID at RA/Dec with dimensions in pixel.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=raw&sid=5646240694&ra=37.6292&dec=0.104625&width=100&height=100&unit=pixel
I20	GET /api/image/v1/<db id>?ds=deepcoadd&sid=<%d>&ra=<%f>&dec=<%f>&width=<%f>&height=<%f>	Get deepcoadd cutout image at RA/Dec with dimensions in arcsec		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=deepcoadd&sid=23986176&ra=9.47103&dec=-1.181766&width=30.0&height=45.0&unit=arcsec
I21	GET /api/image/v1/<db id>?ds=deepcoadd&sid=<%d>&ra=<%f>&dec=<%f>&width=<%d>&height=<%d>&unit=pixel	Get deepcoadd cutout image at RA/Dec with dimensions in pixel.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=deepcoadd&sid=23986176&ra=9.47103&dec=-1.181766&width=100&height=100&unit=pixel
I22 [NEW]	GET /api/image/v1/<db id>?ds=deepcoadd&tract=<%d>&patch=<%d>,<%d>&filter=<%c>&ra=<%f>&dec=<%f>&width=<%d>&height=<%d>&unit=arcsec	Get deepcoadd cutout image of specified DM Butler DataId at RA/Dec and dimensions in arcsec.		FITS image	GET /api/image/v1/DC_W13_Stripe82?ds=deepcoadd&tract=0&patch=225,1&filter=i&ra=40.49055&dec=-0.946593&width=100&height=100&unit=arcsec
Utility API for Dev	GET /api/image/v1/<db id>?ds=raw&get_dataid&ccdexpid=5646240964	Get the data id corresponding to the science id (or science ccd exposure id).		JSON	GET /api/image/v1/DC_W13_Stripe82?ds=raw&get_dataid=get&ccdexpid=5646240964
Utility API for Dev	GET /api/image/v1/<db id>?ds=raw&get_ccdexpid=get&<data id>	Get the science id corresponding to the data id.		JSON	GET /api/image/v1/DC_W13_Stripe82?ds=raw&get_ccdexpid=get&camcol=4&field=694&filter=r&run=5646