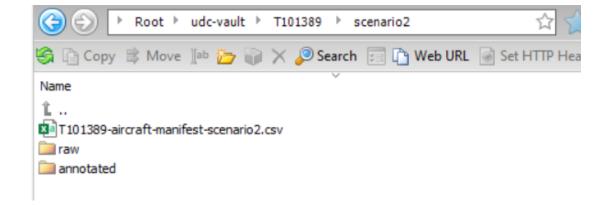
# **Demo: Unified Data Catalog for Military Aircraft**

**Scenario 2: Index & Tag Multi-dimensional Dataset** 

Frank Lee

https://github.com/drfranknlee/demo-udc-aircraft

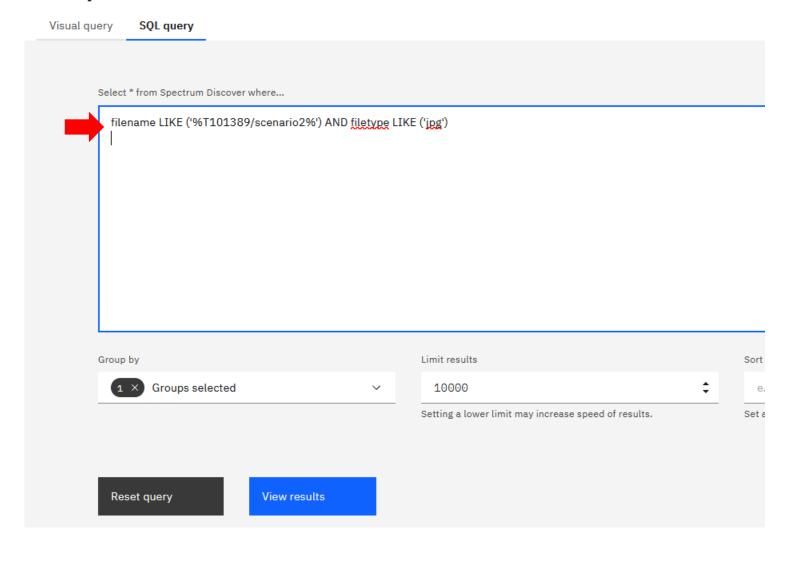
**Upload Dataset to Cloud Object Storage Bucket** 



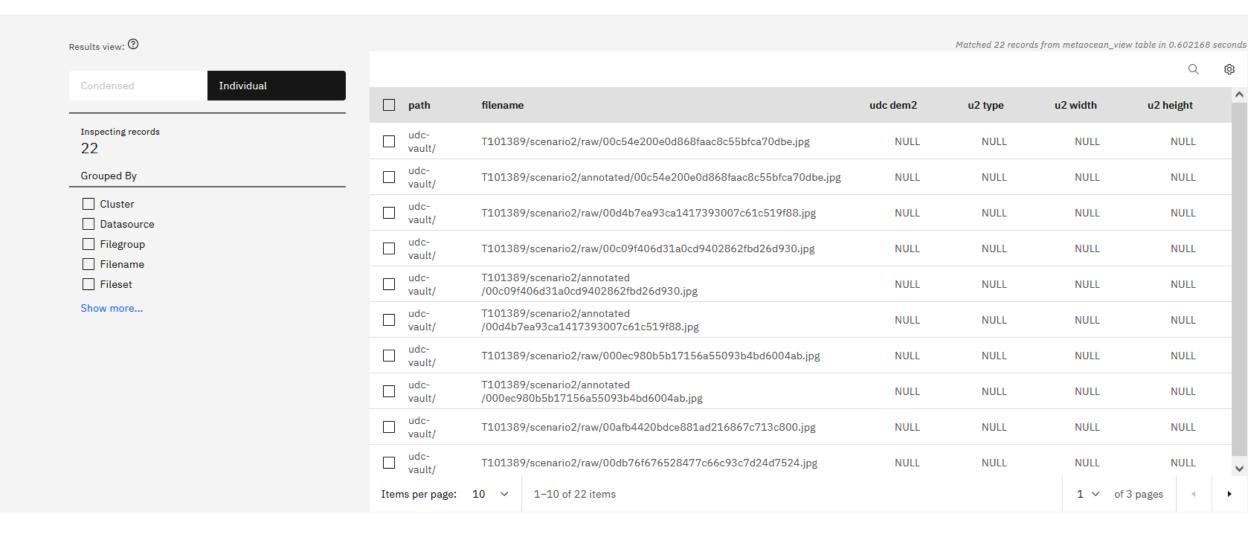
## **Upload Manifest to Cloud Object Storage Bucket**

4	A	В	С	D	Е	F	G	Н	1
1		u2-width	u2-height	u2-type	u2-xmin	u2-ymin	u2-xmax	u2-ymax	u2-id
2	udc-vault/T101389/scenario2/annotated/000ec980b5b17156a55093b4bd6004ab.jpg	1000	551	Be200	308	126	651	201	T101389-10000
3	udc-vault/T101389/scenario2/annotated/00afb4420bdce881ad216867c713c800.jpg	1200	800	Mig31	299	197	1102	569	T101389-10001
4	udc-vault/T101389/scenario2/annotated/00b2add164cb42440a52064e390ea3d2.jpg	1280	850	B1	322	112	893	618	T101389-10002
5	udc-vault/T101389/scenario2/annotated/00b627cb5578bb036edb01cdcf7b56d9.jpg	1300	867	F35	607	204	1202	529	T101389-10003
6	udc-vault/T101389/scenario2/annotated/00c09f406d31a0cd9402862fbd26d930.jpg	1800	1200	A10	32	60	1800	766	T101389-10004
7	udc-vault/T101389/scenario2/annotated/00c54e200e0d868faac8c55bfca70dbe.jpg	1200	1200	V22	647	521	973	768	T101389-10005
8	udc-vault/T101389/scenario2/annotated/00d4b7ea93ca1417393007c61c519f88.jpg	1200	675	A10	560	308	647	329	T101389-10006
9	udc-vault/T101389/scenario2/annotated/00db76f676528477c66c93c7d24d7524.jpg	1280	857	F117	176	263	1280	553	T101389-10007
10	udc-vault/T101389/scenario2/annotated/00ebecac178be3c3890a067d6a28234e.jpg	960	640	C5	58	133	889	397	T101389-10008
11	udc-vault/T101389/scenario2/annotated/00f4279089ddc0d40e1470894f827f2e.jpg	2048	1365	C5	875	398	1110	629	T101389-10009
12	udc-vault/T101389/scenario2/annotated/0a2a11a8658d69b6cd1fd23c5f4513bd.jpg	960	640	Tu160	1	155	903	506	T101389-10010
13	udc-vault/T101389/scenario2/raw/000ec980b5b17156a55093b4bd6004ab.jpg	1000	551	Be200					T101389-10000
14	udc-vault/T101389/scenario2/raw/00afb4420bdce881ad216867c713c800.jpg	1200	800	Mig31					T101389-10001
15	udc-vault/T101389/scenario2/raw/00b2add164cb42440a52064e390ea3d2.jpg	1280	850	B1					T101389-10002
16	udc-vault/T101389/scenario2/raw/00b627cb5578bb036edb01cdcf7b56d9.jpg	1300	867	F35					T101389-10003
17	udc-vault/T101389/scenario2/raw/00c09f406d31a0cd9402862fbd26d930.jpg	1800	1200	A10					T101389-10004
18	udc-vault/T101389/scenario2/raw/00c54e200e0d868faac8c55bfca70dbe.jpg	1200	1200	V22					T101389-10005
19	udc-vault/T101389/scenario2/raw/00d4b7ea93ca1417393007c61c519f88.jpg	1200	675	A10					T101389-10006
20	udc-vault/T101389/scenario2/raw/00db76f676528477c66c93c7d24d7524.jpg	1280	857	F117					T101389-10007
21	udc-vault/T101389/scenario2/raw/00ebecac178be3c3890a067d6a28234e.jpg	960	640	C5					T101389-10008
22	udc-vault/T101389/scenario2/raw/00f4279089ddc0d40e1470894f827f2e.jpg	2048	1365	C5					T101389-10009
23	udc-vault/T101389/scenario2/raw/0a2a11a8658d69b6cd1fd23c5f4513bd.jpg	960	640	Tu160					T101389-10010

## Query builder



#### **Query Results**



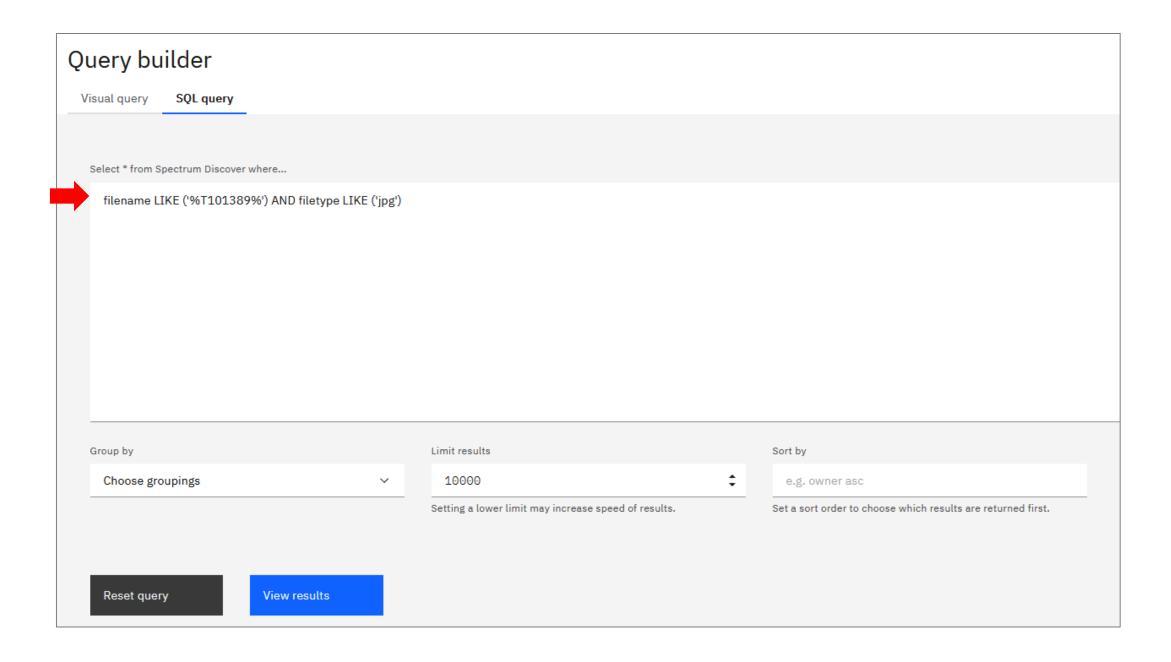
```
[moadmin@discover1 ~]$ pwd
/home/moadmin
[moadmin@discover1 ~]$ cd T101389/
[moadmin@discover1 T101389]$ ls
T101389 aircraft import scenario1.json T101389 aircraft import scenario2.json
[moadmin@discover1 T101389]$
[moadmin@discover1 T101389]$
[moadmin@discover1 T101389]$ gettoken
 % Total % Received % Xferd Average Speed Time Time Time Current
                               Dload Upload Total Spent Left Speed
                                         0 --:--:-- 0
[moadmin@discover1 T101389]$
[moadmin@discover1 T101389]$ curl -k -H "Authorization: Bearer ${TOKEN}" https://localhost/policyengine/v1/
policies/T101389 aircraft import scenario2 pol -X POST -d @./T101389 aircraft import scenario2.json -H "Con
tent-Type: application/json"
Policy 'T101389 aircraft import scenario2 pol' added[moadmin@discover1 T101389]$
```

## Tag management

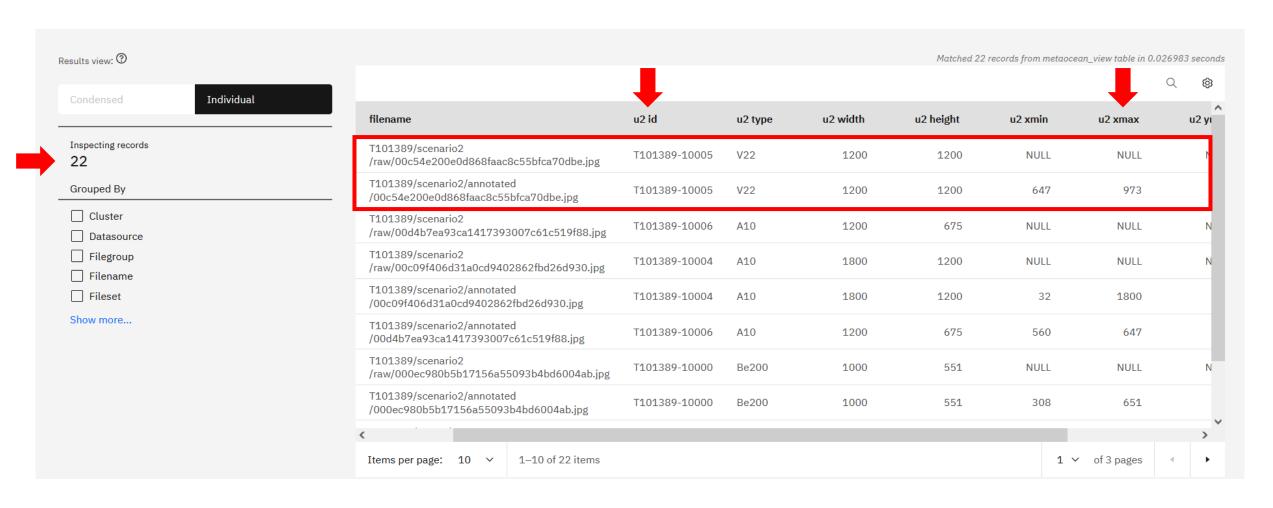
Tags Policies Policy history



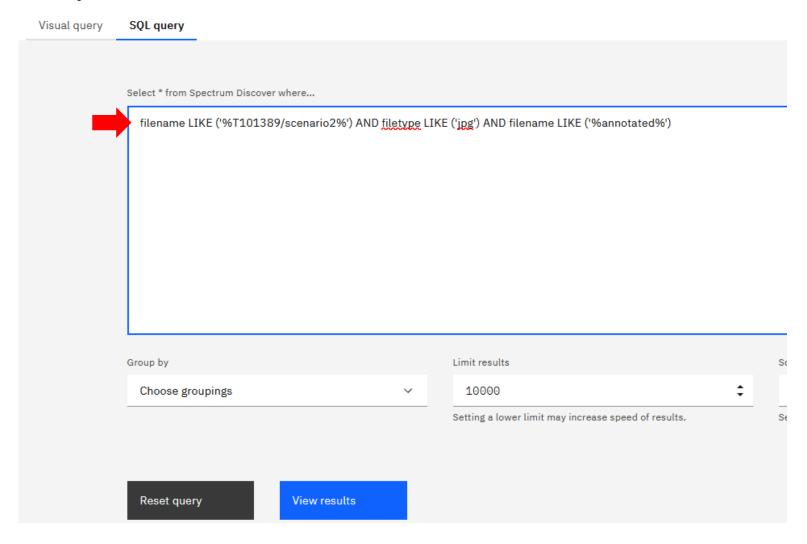
Policy name	Туре	Started	Ended	Status	Total records	Successful	Skipped	Failed
T101389_aircraft_import_scenario2_pol	IMPORT_TAGS	9/21/2021, 1:03:52 AM	9/21/2021, 1:04:11 AM	Complete	22	22	0	0
T101389_aircraft_import_scenario1_pol	IMPORT_TAGS	9/20/2021, 11:21:32 PM	9/20/2021, 11:21:49 PM	Complete	11	11	0	0
T101389_aircraft_import_scenario1_pol	IMPORT_TAGS	9/20/2021, 11:17:06 PM	9/20/2021, 11:17:22 PM	Complete	11	11	0	0
T101389_aircraft_import_pol	IMPORT_TAGS	9/20/2021, 9:18:41 PM	9/20/2021, 9:18:59 PM	Complete	11	11	0	0

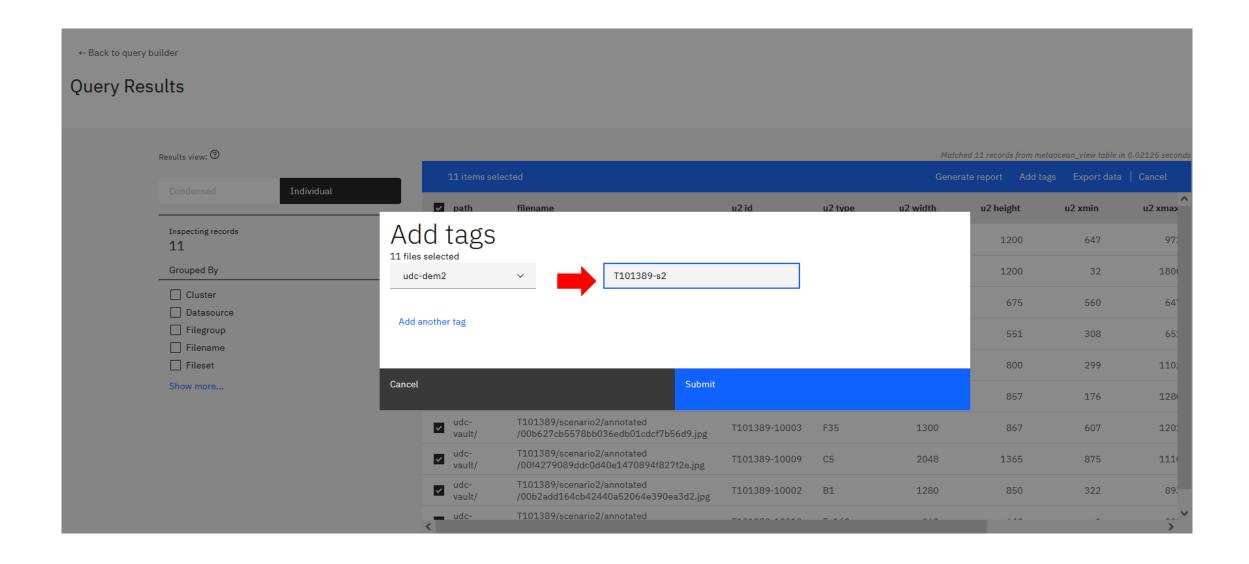


#### **Query Results**

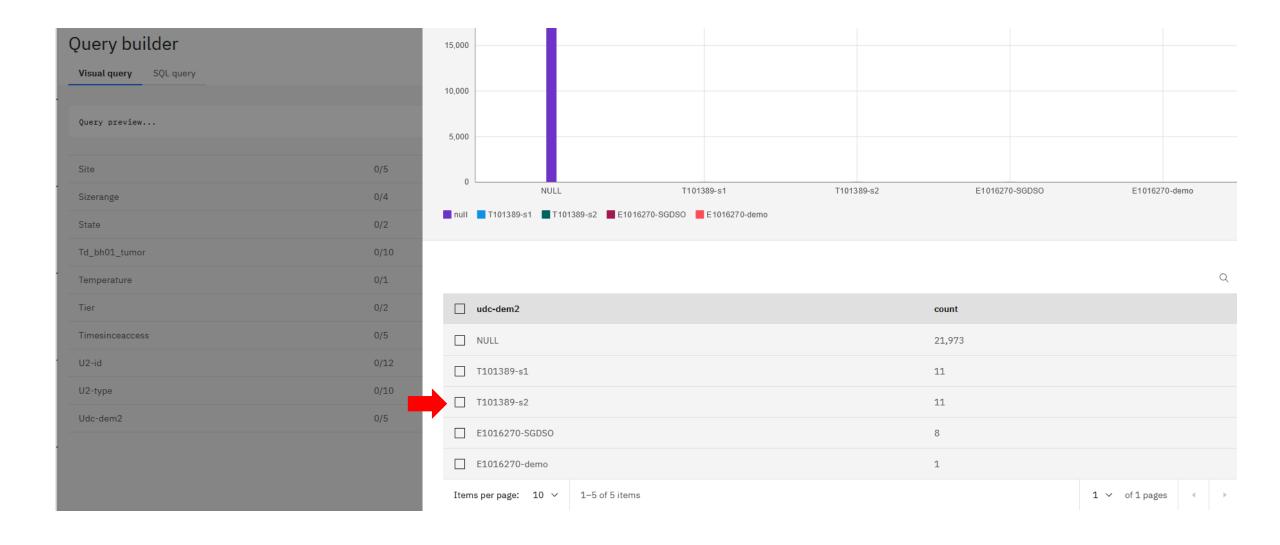


## Query builder



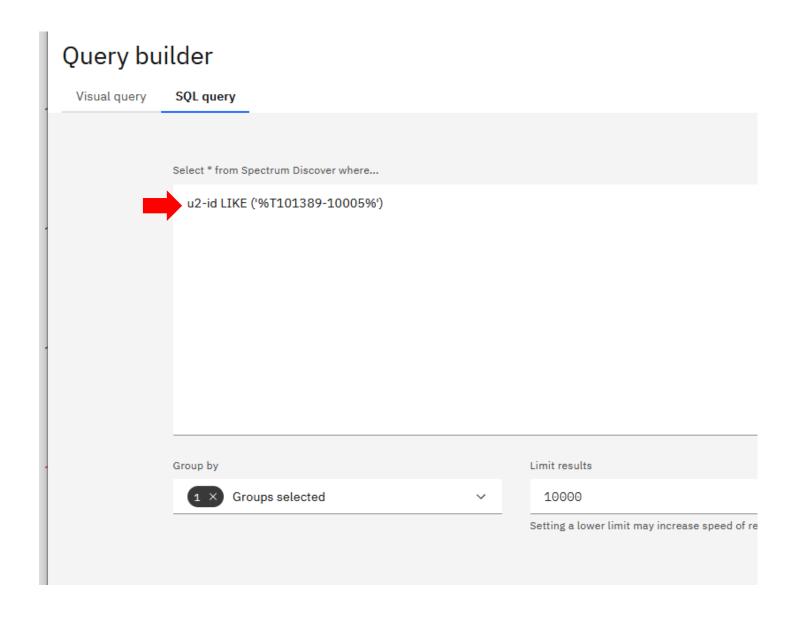


Results view:								Matched 11 records fr	rom metaocean_view ta	ble in 0.022914	seconds
Condensed Individual	)									Q	<b>©</b>
		u2 id	udc dem2	u2 type	u2 width	u2 height	u2 xmin	u2 xmax	u2 ymin	u2 ymax	^
Inspecting records 11		T101389-10005	T101389-s2	V22	1200	1200	647	973	521	768	
Grouped By	- g	T101389-10004	T101389-s2	A10	1800	1200	32	1800	60	766	
Cluster Datasource	g	T101389-10006	T101389-s2	A10	1200	675	560	647	308	329	
☐ Filegroup ☐ Filename	pg	T101389-10000	T101389-s2	Be200	1000	551	308	651	126	201	
Fileset	g	T101389-10001	T101389-s2	Mig31	1200	800	299	1102	197	569	
Show more	)g	T101389-10007	T101389-s2	F117	1280	857	176	1280	263	553	
	g	T101389-10003	T101389-s2	F35	1300	867	607	1202	204	529	
	3	T101389-10009	T101389-s2	C5	2048	1365	875	1110	398	629	
	og	T101389-10002	T101389-s2	B1	1280	850	322	893	112	618	
	<	T404000 40040	T10100	T 4/4	0.0		1	^^^	155		>
	Ite	ems per page: 10	∨ 1-10 of :	11 items					1 ∨ of 2 pa	ages 4	•

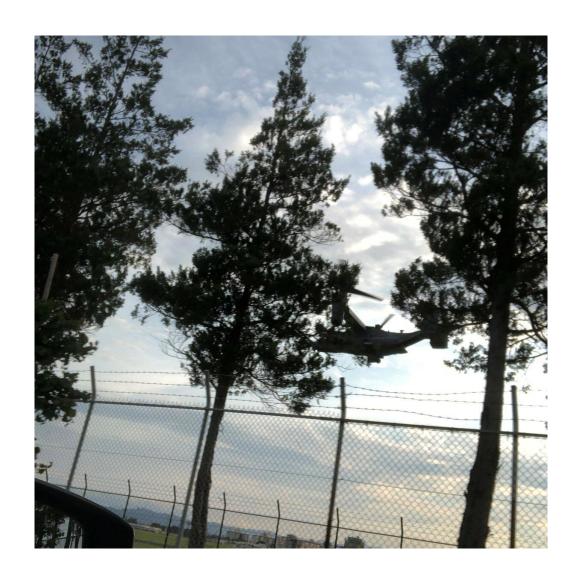


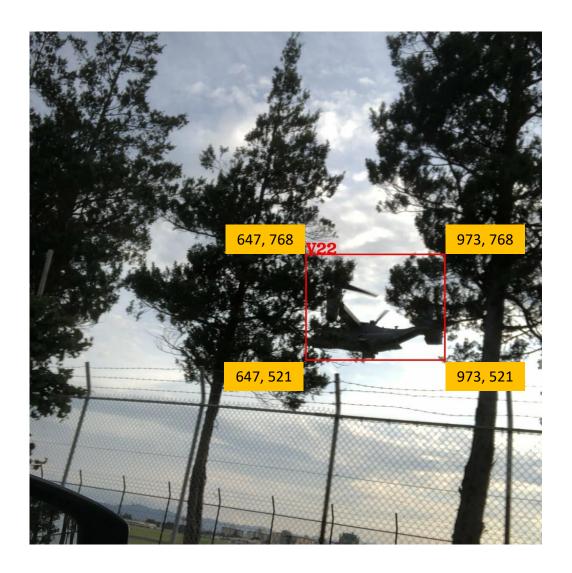
Matched 11	records from	metaocean	view table	in 0.0	42898	second:

Results view:					Matche	ed 11 records from meta	ocean_view table in 0	.042898 secon
Condensed Individual								Q 🕸
	path path	filename	u2 id	udc dem2	u2 type	u2 width	u2 height	u2 xm
Inspecting records 11	udc- vault/	T101389/scenario2/annotated /00c54e200e0d868faac8c55bfca70dbe.jpg	T101389-10005	T101389-s2	V22	1200	1200	6.
Grouped By	udc- vault/	T101389/scenario2/annotated /00c09f406d31a0cd9402862fbd26d930.jpg	T101389-10004	T101389-s2	A10	1800	1200	:
Cluster Datasource	udc- vault/	T101389/scenario2/annotated /00d4b7ea93ca1417393007c61c519f88.jpg	T101389-10006	T101389-s2	A10	1200	675	5(
☐ Filegroup ☐ Filename	udc- vault/	T101389/scenario2/annotated /000ec980b5b17156a55093b4bd6004ab.jpg	T101389-10000	T101389-s2	Be200	1000	551	3(
Fileset	udc- vault/	T101389/scenario2/annotated /00afb4420bdce881ad216867c713c800.jpg	T101389-10001	T101389-s2	Mig31	1200	800	2'
Show more	udc- vault/	T101389/scenario2/annotated /00db76f676528477c66c93c7d24d7524.jpg	T101389-10007	T101389-s2	F117	1280	857	1'
	udc- vault/	T101389/scenario2/annotated /00b627cb5578bb036edb01cdcf7b56d9.jpg	T101389-10003	T101389-s2	F35	1300	867	61
	udc- vault/	T101389/scenario2/annotated /00f4279089ddc0d40e1470894f827f2e.jpg	T101389-10009	T101389-s2	C5	2048	1365	8'
	udc- vault/	T101389/scenario2/annotated /00b2add164cb42440a52064e390ea3d2.jpg	T101389-10002	T101389-s2	B1	1280	850	3:
	✓ udc-	T101389/scenario2/annotated	T404000 40040	T4.04.000	T 4/	262	***	>



Results view:					Matched 2	records from metaocea	n_view table in 0.	038424 s	econds
Condensed Individual								Q	<b>©</b>
	filename	u2 id	udc dem2	u2 type	u2 width	u2 height	u2 xmin	ι	u2 xma
Inspecting records	T101389/scenario2 /raw/00c54e200e0d868faac8c55bfca70dbe.jpg	T101389-10005	NULL	V22	1200	1200	NULL		NU
Grouped By	T101389/scenario2/annotated /00c54e200e0d868faac8c55bfca70dbe.jpg	T101389-10005	T101389-s2	V22	1200	1200	647		9'
Cluster	<								>
☐ Datasource ☐ Filegroup	Items per page: 10 ∨ 1−2 of 2 items					1 ~	of 1 pages	4	-
☐ Filename ☐ Fileset Show more	Query builder u2-id LIKE ('%T101389-10005%')								





u2-id = T101389-10005: filename = 00c54e200e0d868faac8c55bfca70dbe.jpg