

```
In [1]: from pystac_client import Client
```

for a big bounding box, searching Landsat works:

```
In [2]: bbox = [-76.585, 4.424, -69.851, 10.660]

url = "https://cmr.earthdata.nasa.gov/stac/LPCLLOUD"
cat = Client.open(url)
params = {'bbox': bbox,
          'collections': ['HLSL30_2.0'],
          'datetime': '2020-01-01/2020-05-01'}
```

```
In [3]: search = cat.search(**params)
print(search.matched())
items_landsat = search.item_collection()
```

925

```
In [4]: items_landsat[0]
```

```
Out[4]: <Item id=HLS.L30.T18PZS.2020002T151057.v2.0>
```

```
In [5]: len(items_landsat)
```

```
Out[5]: 925
```

Same for Sentinel

```
In [6]: params['collections'] = ['HLSS30_2.0']
bbox = [-76.585, 4.424, -69.851, 10.660]

url = "https://cmr.earthdata.nasa.gov/stac/LPCLLOUD"
cat = Client.open(url)
params = {'bbox': bbox,
          'collections': ['HLSS30_2.0'],
          'datetime': '2020-01-01/2020-05-01'}
```

```
In [7]: search = cat.search(**params)
print(search.matched())
items_sentinel = search.item_collection()
```

2114

```
In [8]: len(items_sentinel)
```

```
Out[8]: 2114
```

But it only returns the first page (100 items) when we search them together.

```
In [9]: params['collections'] = ['HLSS30_2.0', 'HLSL30_2.0']
```

```
In [10]: search = cat.search(**params)
         print(search.matched())
         items = search.item_collection()
```

3039

```
In [11]: len(items)
```

Out[11]: 100

So the solution is to search them separately (as above) and add them:

```
In [12]: items = items_landsat + items_sentinel
```

```
In [13]: len(items)
```

Out[13]: 3039

```
In [ ]:
```