

# Automating Landsat Band Math

GTECH 203 - Zhi He

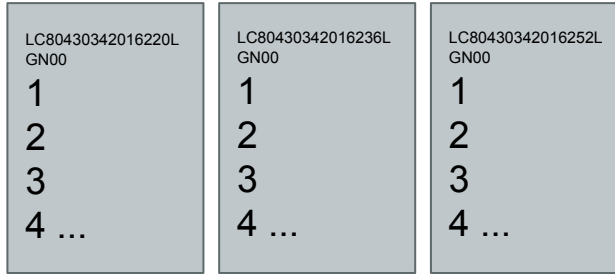
# Specifications

- Landsat Data & Area of study
- Get the files
- Do band math
- On a subset
- Have colors?
- Make a Gif/Video

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# Process



(b6-b4)

<div>LC80430342016220L GN00 1 2 3 4 ...</div>	<div>LC80430342016236L GN00 1 2 3 4 ...</div>	<div>LC80430342016252L GN00 1 2 3 4 ...</div>
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# L8 / 043 / 034 : San Luis Reservoir

(b6-b4)

LC80430342016220L  
GN00

1

2

3

4 ...

LC80430342016236L  
GN00

1

2

3

4 ...

LC80430342016252L  
GN00

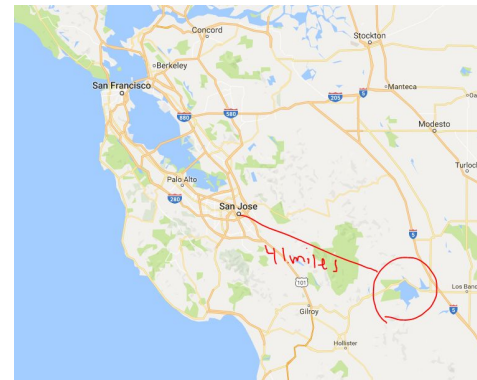
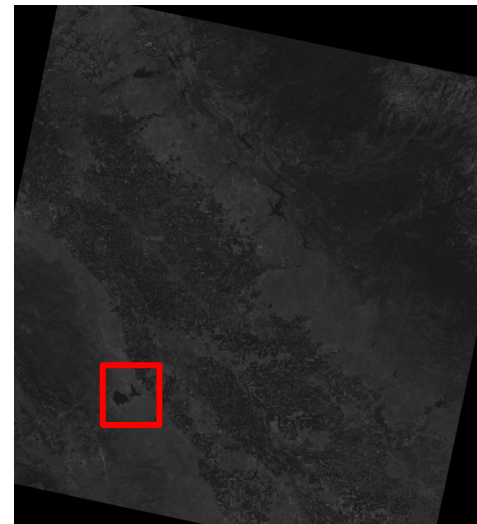
1

2

3

4 ...

Sun Aug 07 2016 - Wed Oct 26 2016

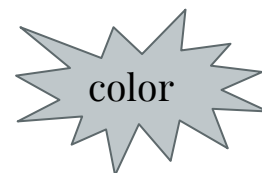
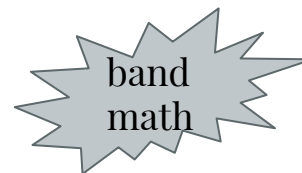
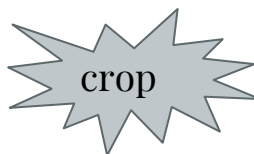
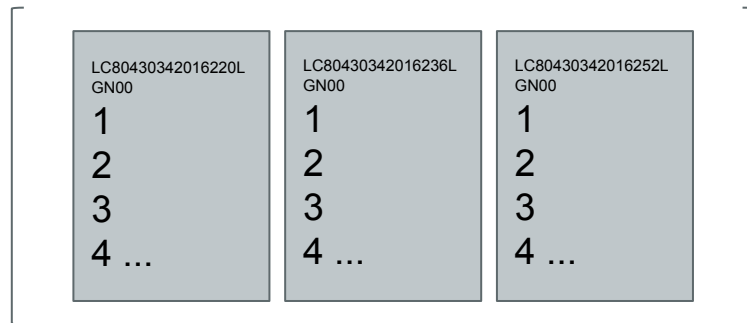


# L8 / o43 / o34 : San Luis Reservoir

(b6-b4)



[b6,b4]



## L8 / o43 / o34 : San Luis Reservoir



1

2

3





# Tools



**GDAL** - Geospatial Data Abstraction Library - “is a translator library for raster and vector geospatial data formats”

**Numpy** - “is the fundamental package for scientific computing with Python” - (array object)

# Demo