13 April 2020:

**Path Names For 10000 images:**

Negative DES: DES/DES\_Processed/0\_DES0434-1915/

*DES/DES\_Processed/num\_source/*

Positive: PositiveWithDESSky/0/

*PositiveWithDESSky/num/*

**Path Names for Unseen Images:**

Negative (Unknown): KnownLenses/Unknown\_Processed/91953\_DES0329-1707/

*KnownLenses/Unknown\_Processed/num\_source/*

Positive (DES2017): KnownLenses/DES2017/0\_DES0005-0041/

*KnownLenses/DES2017/num\_source/*

**Using \_norm.fits:**

DataPos.std() = 0.999999…

DataNeg.std() = 1.00051857…

AllData.std() = 1.0002593…

DataKnown.mean(): 0.0001755996137209865

DataKnown.std(): 1.0002863525717804

DataUnknown.mean(): 0.00045433046323221205

DataUnknown.std(): 1.0011445448948948

**Using Gaussian Normalization (block 14):**

Accuracy on Test: 98.375

Where #1 = Lenses

#0 = Non-Lenses

Unseen:

#1 #0

DataKnown(DES2017) 10 37 10/47

Unknown(Unknown\_Processed) 0 47 47/47

A picture containing computer

Description automatically generated

**Not Using Gaussian Normalization (block 14):**

Accuracy on Test: 98.3

Unseen:

#1 #0

DataKnown(DES2017) 19 28 19/47

Unknown(Unknown\_Processed) 0 47 47/47

The first 13 epochs:

A screenshot of a cell phone

Description automatically generated

**Using \_WCSClipped.fits:**

DataPos.std() = 132.93021…

DataNeg.std() = 110.3791976…

AllData.std() = 122.1790123766..

**Using Gaussian Normalization (block 14):**

Accuracy on Test: 98.524999..

Where #1 = Lenses

#0 = Non-Lenses

Unseen:

#1 #0

DataKnown(DES2017) 18 29 18/47

Unknown(Unknown\_Processed) 0 47 47/47

**Not Using Gaussian Normalization (block 14):**

Accuracy on Test: 50.0

Unseen:

#1 #0

DataKnown(DES2017) 0 47 0/47

Unknown(Unknown\_Processed) 0 47 47/47