

```

import processing.core.*;
import processing.data.*;
import processing.event.*;
import processing.opengl.*;

import oscP5.*;
import codeanticode.syphon.*;
import oscP5.*;

import java.util.HashMap;
import java.util.ArrayList;
import java.io.File;
import java.io.BufferedReader;
import java.io.PrintWriter;
import java.io.InputStream;
import java.io.OutputStream;
import java.io.IOException;

public class Scan3D_002 extends PApplet {

```

```

OscP5 oscP5;
int found;
float[] rawArray;
ArrayList<PVector> pvs;
ArrayList<PVector> pvs0;
int highlighted; //which point is selected
float xoff = 0.0f;

String[] pline;
String[] pnt;
String[] ptri;

int kk = 0;
int cc1;
int st = 0;

//-----
public void setup() {

  frameRate(30);

  rawArray = new float[132];
  oscP5 = new OscP5(this, 8338);
  oscP5.plug(this, "found", "/found");
  oscP5.plug(this, "rawData", "/raw");

  pvs = new ArrayList<PVector>();
  pvs0 = new ArrayList<PVector>();
  for(int i=0; i<66; i+=1){
    pvs.add(i, new PVector(width/2, height/2));
    pvs0.add(i, new PVector(0, 5));
  }
  textSize(8);
  noiseSeed(0);

  pline = loadStrings("pline.txt");
  pnt = loadStrings("point.txt");
  ptri = loadStrings("tri.txt");

  println(pnt.length+" : "+pline.length);

  syphonx_ini();
}

//-----
public void draw() {

  syphonx_draw();

  if(st==0){

  } else if(st==1){
    drawFacePoints1();
  } else if(st==2){
    drawFacePoints2();
  } else if(st==3){
    drawFacePoints3();
  } else if(st==4){
    drawFacePoints4();
  } else if(st==5){
    drawFacePoints5();
  }

  //PVector pcn = pvs.get(30);
  //translate(width/2, height/2, 0);
  //scale(2.0);
  //translate(-pcn.x, -pcn.y, 0);

  //saveFrame("frames/####.tif");

```

