

# 1994 AQMP

- Five SCAQS Episodes
  - June 5-7, 1985 – most limiting
  - August 26-28, 1987 – most representative
  - June 23-25, 1987
  - July 13-15, 1987
  - September 7-9, 1987
- Four 1-hour ozone control plans identified with alternative VOC/NO<sub>x</sub> controls (from 2010 levels)
  - (1) 72%/77%; (2) 65%/50%; (3) 68%/50%; and (4) 70%/50%
- How does today' ozone compare with 1994 AQMP modeling done 12 years ago?

August 28, 1987

“EKMA Diagram”

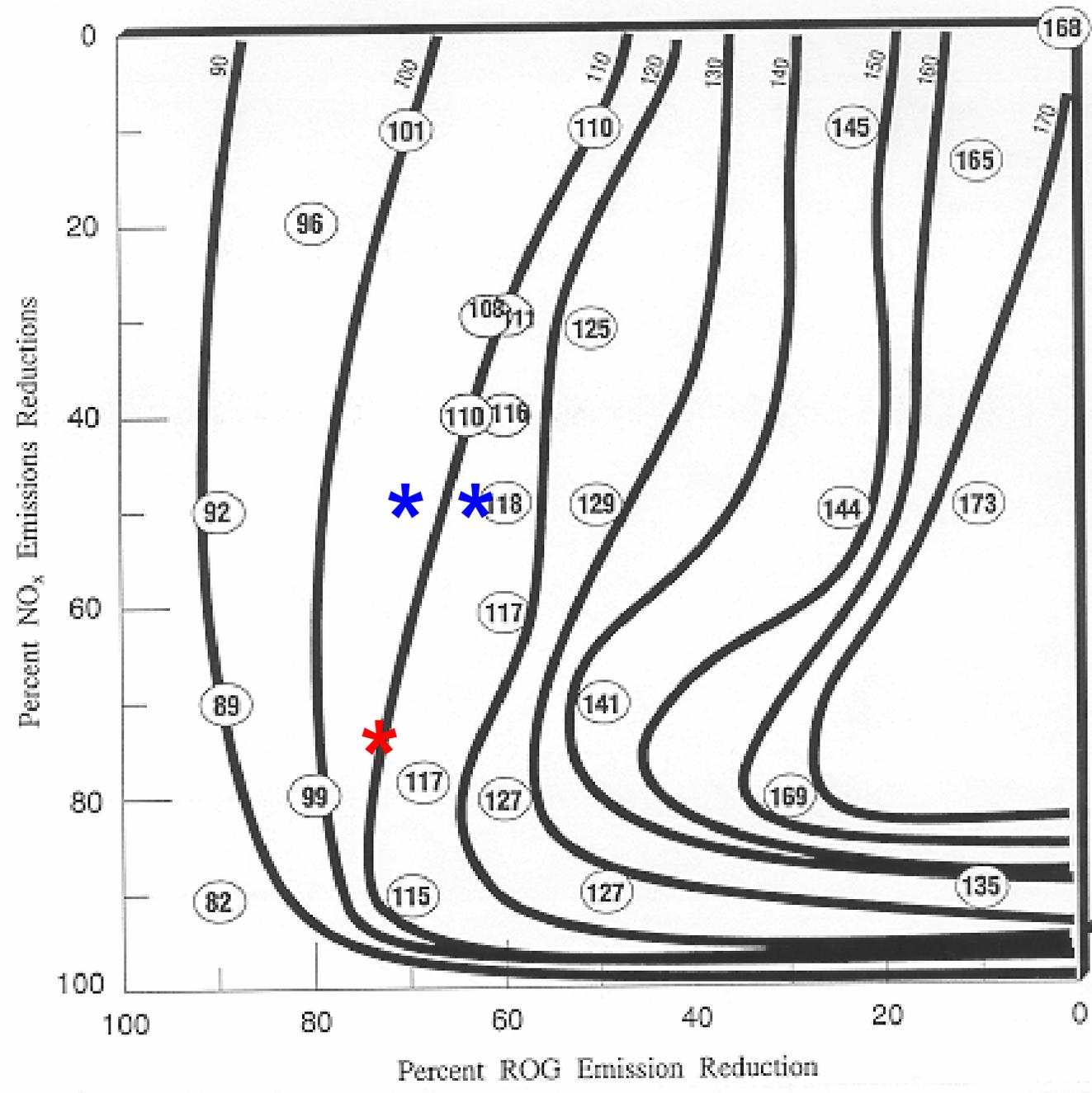
2010 Uncontrolled  
VOC/NOx =  
100%/100%

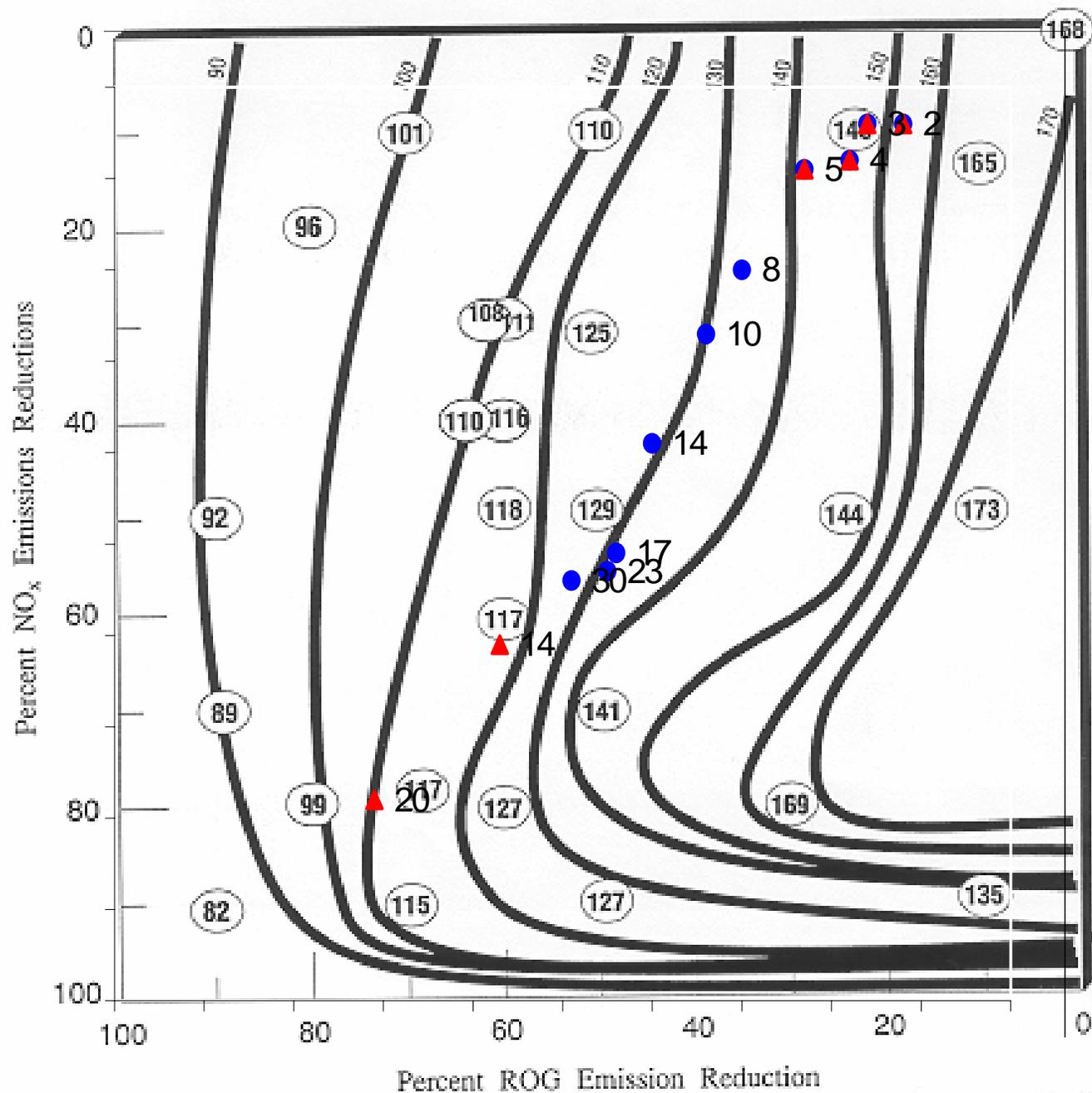
Alternative 1-Hour  
Ozone Attainment  
Plans VOC/NOx

72%/77%

65%-70%/50%

120





### Superimpose Ozone Path on 1994 Isopleth

'02-'05 1-hr O<sub>3</sub>  
in 155 to 145  
ppb; actual =  
'01= 170 ppb  
'02= 171 ppb  
'03= 180 ppb  
'04 = 171 ppb  
'05 = 173 ppb

### 2007 AQMP

Blue = Planning  
Inventories

Red =  
Controlled  
inventories ('14  
and '20)

# Lessons Learned: 1994 AQMP

- Overly optimistic relationship between transport and SoCAB emission reductions
  - Polluted air entering SoCAB from outside more likely increasing not decreasing
- Understated biogenic emissions inventory
- Meteorology is king (2003 effect)
- 2001 to 2005 saw 27%/12% reduction in VOC/NO<sub>x</sub>, & no change in ozone
- 2007 AQMP modeling better representation of transport, biogenics, chemistry, etc.