

*\*\* the definitions below correspond to the parameter blocks starting on 0 \*\**

**List of thirty three changes to FIGARO Data Format v12 (05/06/15):**

1. Yellow #6. Blank → Water Bath 1 Actual Temp
2. Yellow #7. Blank → Water Bath 1 Set Point Temp
3. Yellow #8. Blank → Water Bath 2 Actual Temp
4. Yellow #9. Blank → Water Bath 2 Set Point Temp
5. Yellow #20. Blank → Calculated Footprint Left (mm)
6. Yellow #21. Blank → Calculated Footprint Right (mm)
7. Yellow #22. Blank → Calculated Footprint Width (mm)
8. Yellow #27. Water Bath Set Point Temp. (blank) → Blank
9. Yellow #28. Water Bath Regulation Temp. (blank) → Blank
10. Yellow #29. Water Bath Sample Temp. (blank) → Blank
11. Yellow #48. Blank → Wanted Collimation Angle
12. Yellow #49. Sample Changer Posn Number (blank) → Actual Collimation Angle
13. Yellow #51. Collimation Angle wrt Horizontal → Wanted Theta (name change)
14. Yellow #57. Blank → Sample Changer Posn Number
15. Yellow #79. Blank → Actual Executed Theta
16. Yellow #80. Blank → Sample Length (mm)
17. Yellow #81. Blank → Sample Width (mm)
18. Yellow #82. Blank → Vertical Offset for Direct Beam (mm)
19. Yellow #83. Blank → Wanted Detector Pixel
20. Yellow #89. Version Of Data Format = 11 → Version Of Data Format = 12
21. Pink #208. Blank → Calculated dQ/Q
22. Pink #215. Blank → Cell 1 Actual Temperature
23. Pink #216. Blank → Cell 2 Actual Temperature
24. Pink #217. Blank → Cell 3 Actual Temperature
25. Pink #218. Blank → Cell 4 Actual Temperature
26. Pink #219. Blank → Cell 5 Actual Temperature
27. Pink #220. Blank → Cell 6 Actual Temperature
28. Pink #221. Blank → Cell 1 Calculated Density
29. Pink #222. Blank → Cell 2 Calculated Density
30. Pink #223. Blank → Cell 3 Calculated Density
31. Pink #224. Blank → Cell 4 Calculated Density
32. Pink #225. Blank → Cell 5 Calculated Density
33. Pink #226. Blank → Cell 6 Calculated Density

**List of two changes to FIGARO Data Format v11 (05/04/13):**

1. Yellow #89. Version Of Data Format = 10 → Version Of Data Format = 11
2. Yellow #93. Blank → Edelay-delay (offset in edelay in microseconds).

**List of two changes to FIGARO Data Format v10 (19/02/13):**

1. Yellow #89. Version Of Data Format = 9 → Version Of Data Format = 10
2. Change of data block (see bottom of page 2 and accompanying document)

### **List of four changes to FIGARO Data Format v9 (19/04/12):**

1. Yellow #89. Version Of Data Format = 8 → Version Of Data Format = 9
2. Yellow #90. Blank → XDH1 (Sample-DH1 Distance)
3. Yellow #91. Blank → XDH2 (Sample-DH2 Distance)
4. Yellow #92. Blank → YDET (Vertical Detector Axis Offset)

### **List of three changes to FIGARO Data Format v8 (29/11/10):**

1. Yellow #23. Blank → Sample Offset Position (not changed until 17/05/11)
2. Yellow #84. TOF flag (0 = no TOF, 1 = TOF) → TOF flag (see \*)  
\* 0 = no TOF, 1 = TOF, 2 = kinetic no TOF, 3 = kinetic TOF
3. Yellow #89. Version Of Data Format = 7 → Version Of Data Format = 8

### **List of four changes to FIGARO Data Format v7 (28/10/10):**

1. Yellow #30. Blank → HPLC Pump Valve Position
2. Yellow #49. Blank → Sample Changer Posn Number
3. Yellow #50. Blank → Electronic Switch (0 = Off, 1 = On)
4. Yellow #89. Version Of Data Format = 6 → Version Of Data Format = 7

### **List of eleven changes to FIGARO Data Format v6 (23/06/10):**

1. Yellow #89. Version Of Data Format = 5 → Version Of Data Format = 6
2. Pink #30. Spare 1 Actual Value → ATW Actual Value
3. Pink #33. Spare 2 Actual Value → ATR Actual Value
4. Pink #65. Spare 1 Requested Value → ATW Requested Value
5. Pink #66. Spare 2 Requested Value → ATR Requested Value
6. Pink #100. Spare 1 Offset → ATW Offset
7. Pink #101. Spare 2 Offset → ATR Offset
8. Pink #210. Blank → OSC Flag (0 = Off, 1 = On)
9. Pink #211. Blank → OSC Max Value
10. Pink #212. Blank → OSC Min Value
11. Pink #213. Blank → OSC Speed

### **List of eleven changes to FIGARO Data Format v5 (19/08/09):**

1. Yellow #40. Langmuir Value 1 TBD → Langmuir Requested Speed
2. Yellow #41. Langmuir Value 2 TBD → Langmuir Requested Area
3. Yellow #42. Langmuir Value 3 TBD → Langmuir Requested Pressure
4. Yellow #43. Langmuir Value 4 TBD → Langmuir Actual Area
5. Yellow #44. Langmuir Value 5 TBD → Langmuir Actual Start Pressure
6. Yellow #45. Langmuir Value 6 TBD → Langmuir Actual End Pressure
7. Yellow #46. Langmuir Value 7 TBD → Langmuir Actual Mean Pressure
8. Yellow #47. Langmuir Value 8 TBD → Langmuir Actual Sr. Dev. Pressure
9. Yellow #48. Langmuir Value 9 TBD → Blank
10. Yellow #49. Langmuir Value 10 TBD → Blank
11. Yellow #89. Version Of Data Format = 4 → Version Of Data Format = 5

**List of three changes to FIGARO Data Format v4 (25/06/09):**

1. Yellow #52. Blank → Abs. Trough Position Number
2. Yellow #53. Blank → Abs. Trough Optical Offset
3. Yellow #89. Version Of Data Format = 3 → Version Of Data Format = 4

**List of two changes to FIGARO Data Format v3 (17/06/09):**

1. Yellow #89. Version Of Data Format = 2 → Version Of Data Format = 3
2. Yellow #106. Blank → S3-Mid Sample Distance

**List of seven changes to FIGARO Data Format v2 (03/06/09):**

1. Yellow #2. Measuring Time (s x 10) → Preset Value
2. Yellow #50. Value = 44 (Not Relevant) → Blank
3. Yellow #88. Measuring Time (s x 10) → Preset Flag (0 = Time; 1 = Mon)
4. Yellow #89. Version Of Data Format = 1 → Version Of Data Format = 2
5. Pink #205. Blank → Controlling Chopper Separation
6. Pink #206. Blank → Chopper Direction (0=CW;1=CCW)
7. Pink #207. Blank → Chopper Radius (Centre-Mid Guide)