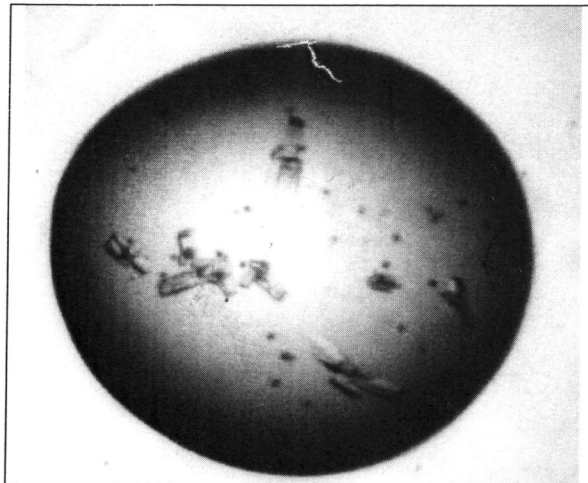
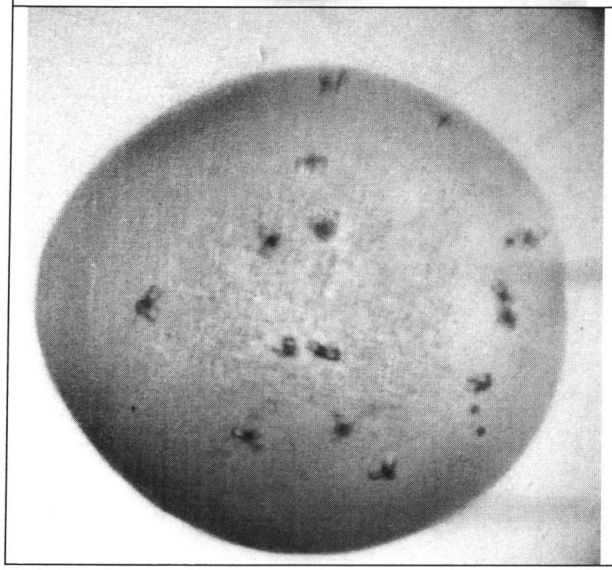
	MC001413, C12.1, 64d **JBS classic 1-4**	0.2 M $CaCl_2$ 0.1 M Tris HCl pH 8.5 20 %(w/v) PEG 6000
	MC001413, D4.1, 64d **JBS classic 1-4**	0.2M $CaCl_2$ 0.1M Tris HCl pH 8.5 25 %(w/v) PEG 4000

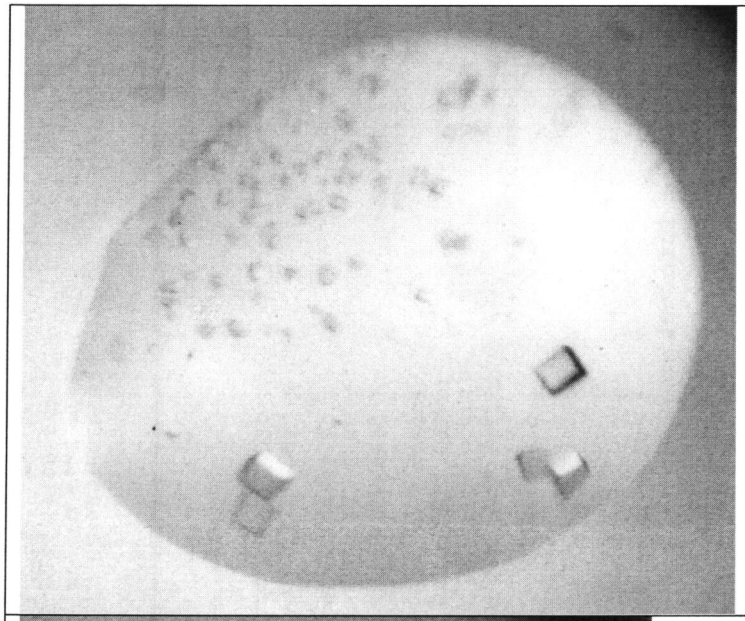
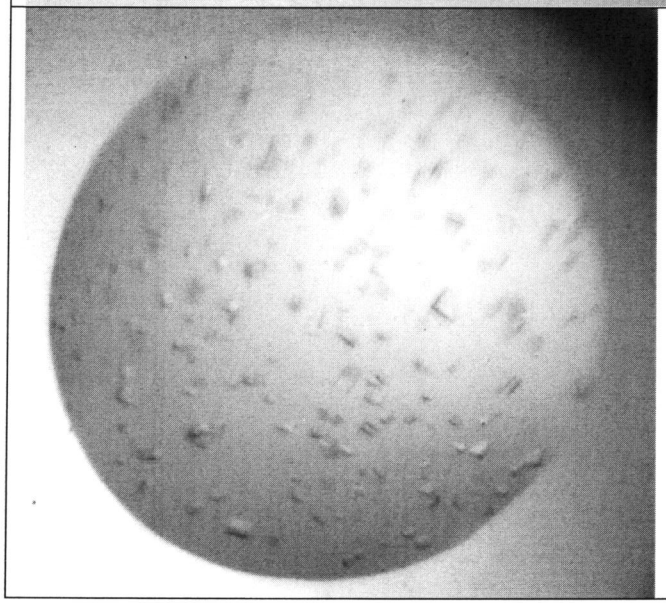
date: 20. Mai. 2014 **operator: CP**

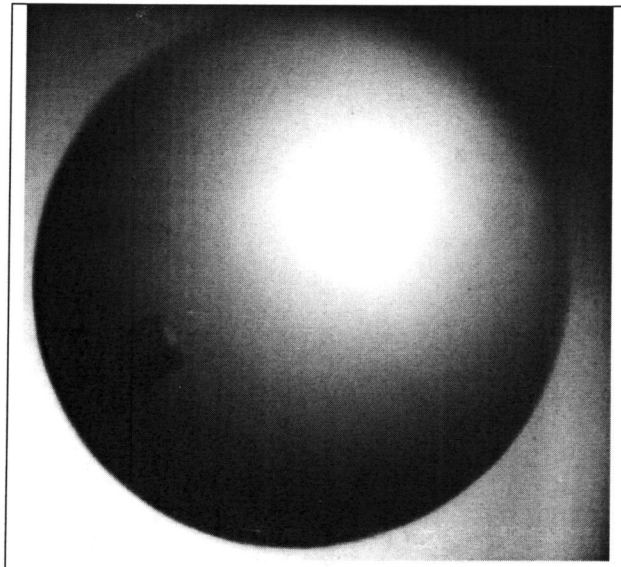
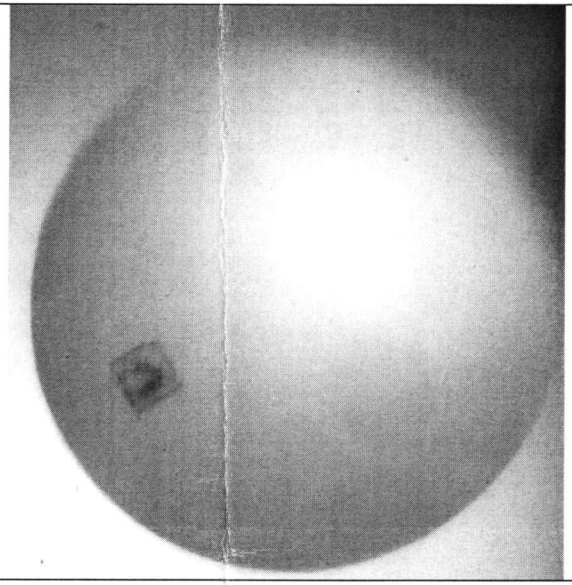
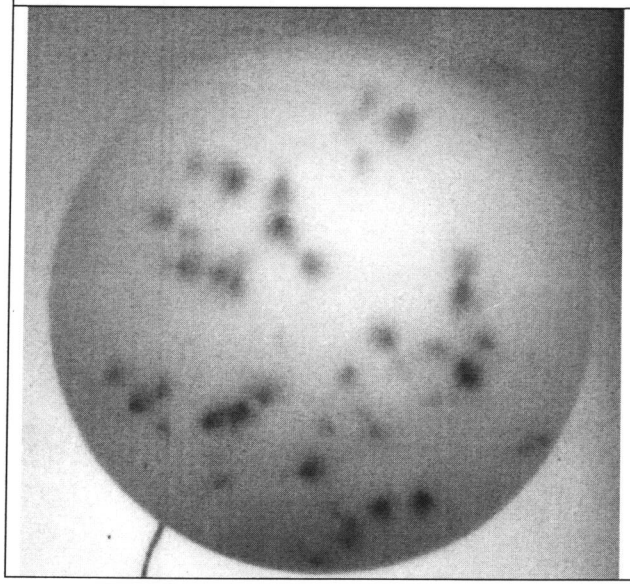
user name: BenjaminW

project (file) name: BenjaminW

protein description: PFOMT

Image file names	Cryo buffer	Distance (mm)	2Theta θ (deg)	Slit (mrad)	Omega (deg)	Phi φ (deg)	Chi χ (deg)	Oscill. (deg)	Exp. (sec)	Diffr. (Å)	Comments
1405020_PFOMT_1,2	-	50	0	10	def	0	0	0.5	5	2.4	MC001415 C3.1
1405020_PFOMT_3,4	-	50	0	10	def	0	0	0.5	60	2.0	same xtal
1405020_PFOMT_5,14	-	70	15	7.4	def	0	0	0.5	60	2.0	86.10 128.16 129.33 90.00 90.00 90.00 Mosaicity: 0.430
1405020_PFOMT_15,19	-	70	20	7.4	def	0	0	0.5	60	1.9	
1405020_PFOMT_1001,1300	-	70	20	7.4	def	90	45	0.5	60		
1405020_PFOMT_2001,2180	-	70	20	7.4	def	90	0	0.5	60		

	MP000715, C8.3, 64d **2M Ammonsulfat**	
	MP000715, E5.3, 64d **2 M Ammonsulfat, 5% 2-Propanol**	

		MP00715, E5.1 **2 M Ammonsulfat, 5% 2-Propanol**
4d	64d	
	MP000715, G8.1, 64d **0.1 M NaCl, 0.1 M Hepes pH 7.5, 1.6 M Ammonsulfat**	

date: 20. Mai. 2014 **operator: CP**
user name: BenjaminW
project (file) name: BenjaminW
protein description: PFOMT screening

Image file names	Cryo buffer	Distance (mm)	2Theta θ (deg)	Slit (mrad)	Omega (deg)	Phi φ (deg)	Chi χ (deg)	Oscill. (deg)	Exp. (sec)	Diffr. (Å)	Comments
1405015_PFOMT_1,2	-	50	0	10	def	0	0	0.5	5	2.7	plate MC0001415 - B10.1
1405015_PFOMT_3,4	-	50	0	10	def	0	0	0.5	60	2.1	same xtal
1405015_PFOMT_5,14	-	80	12	8.9	def	0	0	0.5	60	2.7	125.94 125.94 85.54 90.00 90.00 90.00 Mosaicity: 0.990
1000-1316	-	80	12	8.9	def	0	0	0.5	60	3	frozen 162-6
1405015_B_PFOMT_ 1,2	-	50	0	10	def	0	0	0.5	5	3	plate MC0001415 – B5.1 !salt reflexes!
1405015_B_PFOMT 3,4	-	50	0	10	def	0	0	0.5	10	3	
1405015_B_PFOMT 5,6	-	50	0	10	def	0	0	0.5	20	3	
1405015_B_PFOMT 7,8	-	50	0	10	def	0	0	0.5	5	-	thawed xtal and washed with buffer to remove salt – no reflexes
1405015_B_PFOMT 9,10	-	50	0	10	def	0	0	0.5	10	-	no reflexes --> lost xtal in buffer after washing
1405015_B_PFOMT 11,12	-	50	0	10	def	0	0	0.5	5	2.6	retrieved xtal from buffer
1405015_B_PFOMT 13,14	-	50	0	10	def	0	0	0.5	60	2.0	85.79 127.10 128.61 90.00 90.00 90.00 Mosaicity: 0.410
1405015_B_PFOMT	-	50	0	10	def	0	0	0.5	60	2.2	

X-ray logbook AG Stubbs – Beamline 1 (CCD Saturn 944, Varimax VHF)

1001-1300											
1405015_B_PFOMT 2001-2300	-	50	5	10	def	0	0	0.5	60		frozen 162-7

C6.2 – an Faden (sehr kleine Nadeln)

C12.1 – ~~viel Kap~~ verwachsene Xtals

12.2 → kleine Sphärulits

D4.1 → verwachsene XTals

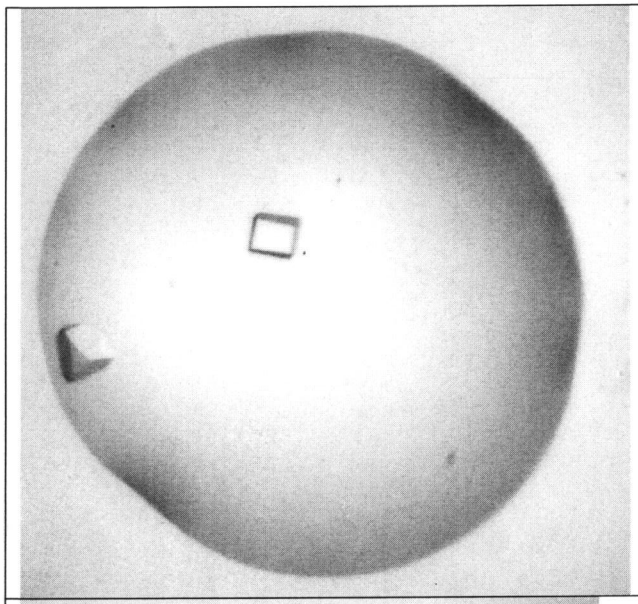
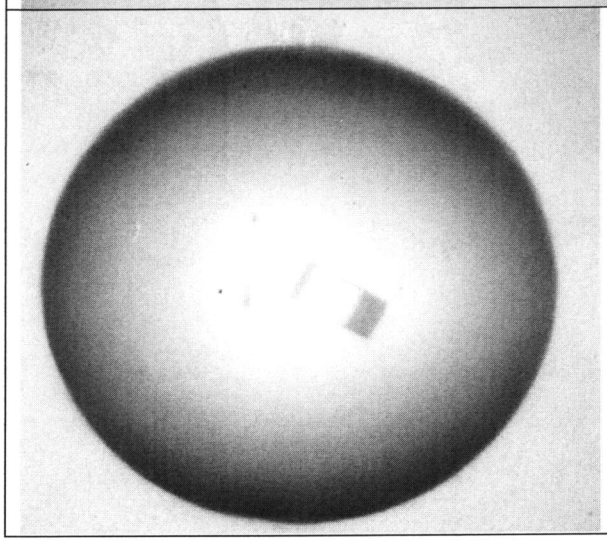
4.2 → Sperulits

G 10.1 → Nadeln
10.2

date: 20. Mai. 2014 **operator: CP**
user name: BenjaminW
project (file) name: BenjaminW
protein description: Pfomt

Image file names	Cryo buffer	Distance (mm)	2Theta θ (deg)	Slit (mrad)	Omega (deg)	Phi φ (deg)	Chi χ (deg)	Oscill. (deg)	Exp. (sec)	Diffr. (Å)	Comments
1405019_PFOMT_ 1,2	-	50	0	10	def	0	0	0.5	5	2.3	MC001415 B5-2 crystal 1 of 2
3,4	-	50	0	10	def	0	0	0.5	60	1.8	same xtal
5-8	-	70	15	7.4	def	0	0	0.5	60	1.9	same xtal P212121 85.96 127.75 128.97 90.00 90.00 90.00 Mosaicity: 0.360
data collection 1 1001-1270	-	70	15	7.4	-75 60	90	45	0.5	60		strategy P222 red:4 stopped after 92 images (xtal out of beam)
data collection 2 2001-2120	-	70	15	7.4	-75 60	0	45	0.5	60		strategy P222 red:4
data collection 3 3001-3320	-	70	15	7.4	-70 90	0	0	0.5	60		frozen 162-8

24838

	MC001415, B5.2, 64d Nach ~20d das erste mal **JBS cryo 1-4**	2 M Ammoniumsulfat 20%. (v/v) Glycerol
	MC001415, C3.2, 64d Nach ~4d **JBS cryo 1-4**	2.3 M Ammoniumsulfat 20%. (v/v) Glycerol

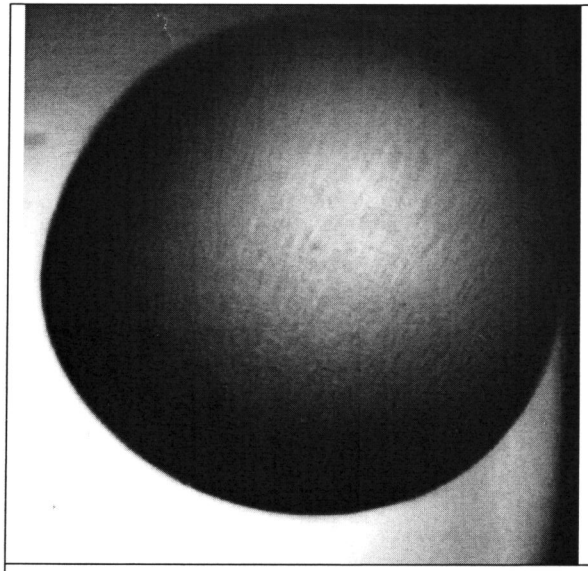
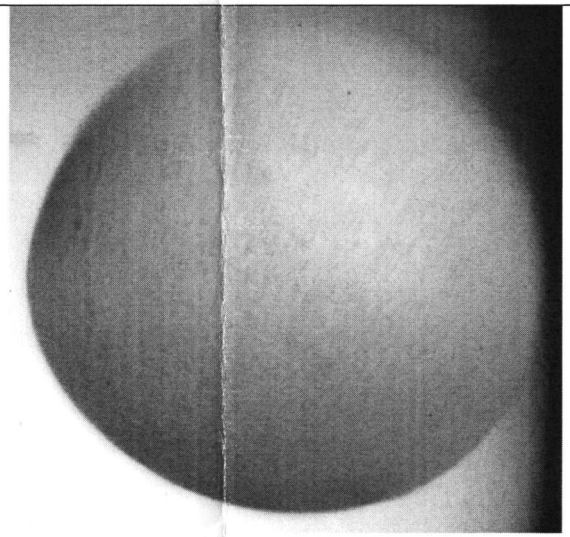
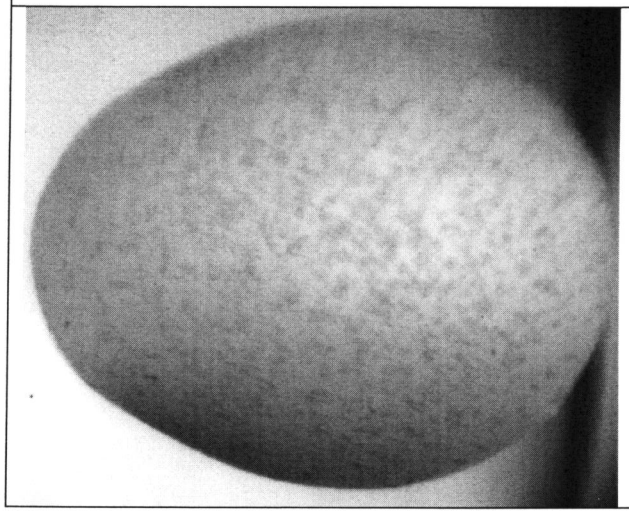
date: 21. Mai. 2014 **operator: CP**
user name: BenjaminW
project (file) name: BenjaminW
protein description: Pfomt

Image file names	Cryo buffer	Distance (mm)	2Theta θ (deg)	Slit (mrad)	Omega (deg)	Phi φ (deg)	Chi X (deg)	Oscill. (deg)	Exp. (sec)	Diffr. (Å)	Comments
1405021_PFOMT_1,2	-	50	0	10	def	0	0	0.5	5	3.4	MC001415 – B10.2
1405021_PFOMT_3,4	-	50	0	10	def	0	0	0.5	60	3.2	
1405021_PFOMT_5,14	-	50	0	10	def	0	0	0.5	60	3.1	85.69 127.16 128.30 90.00 90.00 90.00 Mosaicity: 1.107 -- discarded xtal
1405021_PFOMT_B_1,2	4 uL xtallization buffer + 1.5 uL 87% glycerol	50	0	10	def	0	0	0.5	5	2.5	MP000715 - E5.1 - intergrown xtal
1405021_PFOMT_B_3,4	"	50	0	10	def	0	0	0.5	60	2.2	same xtal
1405021_PFOMT_B_5,14	"	50	0	10	def	0	0	0.5	60	2.2	43.07 126.87 129.00 90.00 90.00 90.00 Mosaicity: 1.107 discarded xtal
1405021_PFOMT_C_1,2	"	50	0	10	def	0	0	0.5	5	7.5	MP000715 - E5.3 - very small xtal (20 nm)
1405021_PFOMT_C_3,4	"	50	0	10	def	0	0	0.5	5	3.5	same xtal - discarded

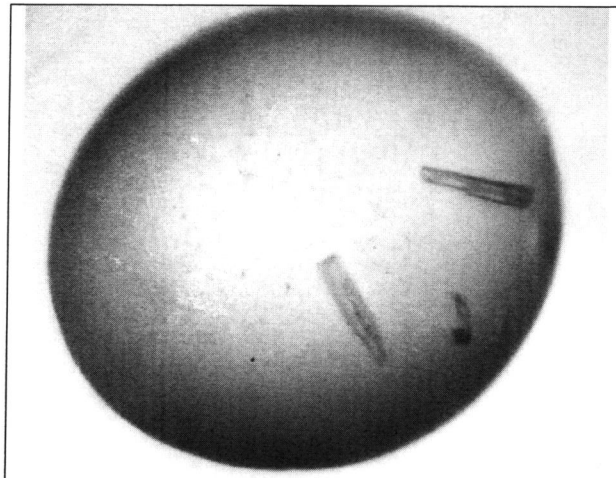
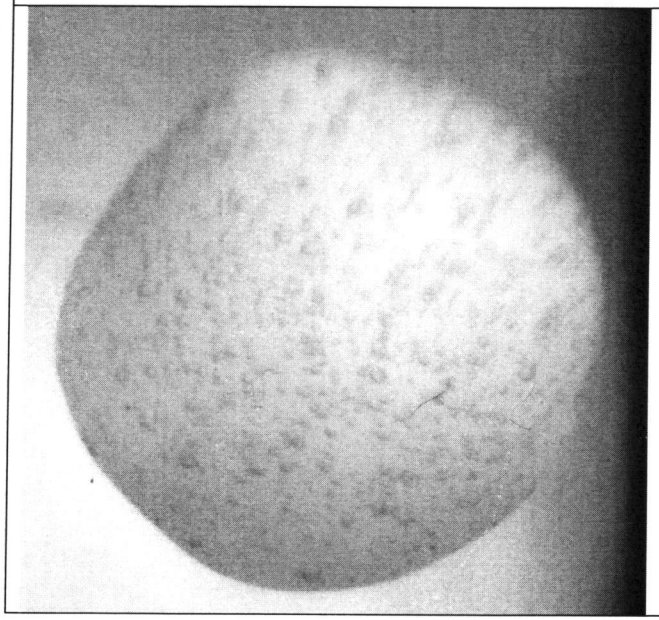
1405021_PFOMT_D_1,2	"	50	0	10	def	0	0	0.5	5	3.6	MP000715 – E8.3 - small xtal (50 nm)
1405021_PFOMT_D_3,4	"	50	0	10	def	0	0	0.5	60	2.6	
1405021_PFOMT_D_5,9	"	50	0	10	def	0	0	0.5	60	2.6	
1405021_PFOMT_D_10,11	"	60	0	10	def	0	0	0.5	60	2.4	
1405021_PFOMT_D_12,13	"	60	5	7.3	def	0	0	0.5	60	2.4	
1405021_PFOMT_D_1001,1300	"	60	5	7.3	def	0	45	0.5	60		

date: 14. Mai. 2014 **operator: CP**
user name: BenjaminW
project (file) name: BenjaminW
protein description: PFOMT screening

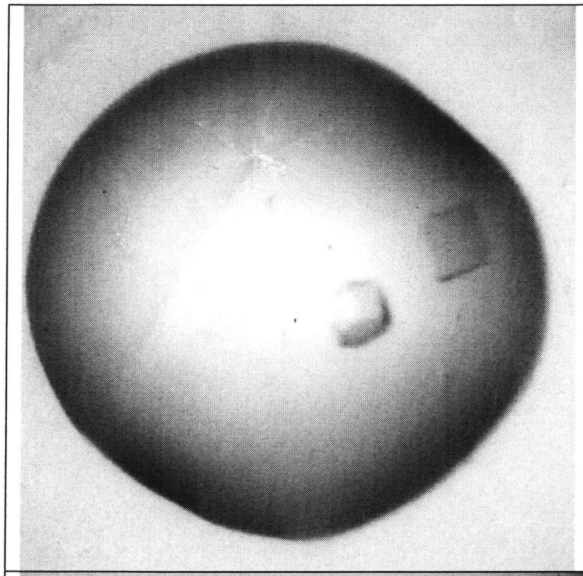
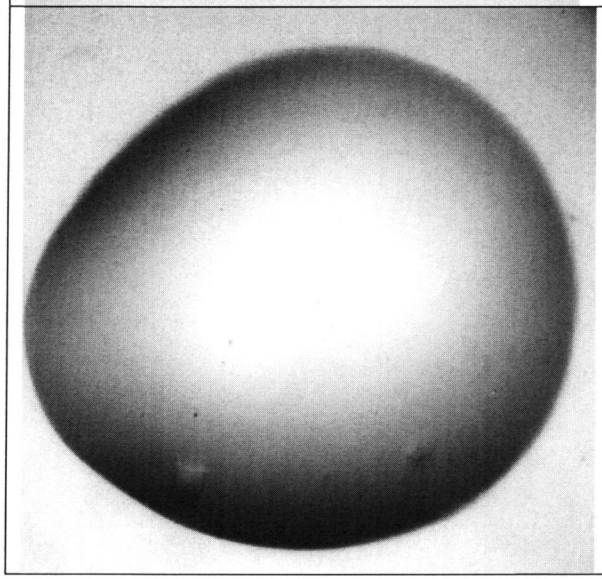
Image file names	Cryo buffer	Distance (mm)	2Theta θ (deg)	Slit (mrad)	Omega (deg)	Phi φ (deg)	Chi χ (deg)	Oscill. (deg)	Exp. (sec)	Diffr. (Å)	Comments
1405014_PFOMT_ 1,2	-	50	0	10	def	0	0	0.5	5	3	plate MC1415, C3-2
3,4	-	50	0	10	def	0	0	0.5	60	2.1	same xtal
5,6	-	80	0	4.3	def	0	0	0.5	60	2.9	P4 128.10 128.10 86.00 90.0 90.00 90.0 Mosaicity: 0.970
7-16	-	80	0	4.3	def	0	0	0.5	60	2.9	
data collection1 1001-1360	-	80	12	4.3	-78 102	0	45	0.5	60		
data collection2 2001-2360	-	80	12	4.3	-78 102	0	0	0.5	60		

		MP000715, D6.1 **0.05 M KHPO4, 20% PEG8000**
5d	64d	
		MP000715, D11.1, 64d **0.1 M Sodium acetate trihydrate pH 4.6** **2 M Ammonsulfat**

mg/ml

	MC001413, G10.1, 64d **JBS classic 1-4**	0.2M Ammonsulfat 0.1M Na-Oac pH 4.6 30% (w/v) PEG4000
	MP000715, C8.1, 64d **2M Ammonsulfat**	15.65

9.x -6

	MC001415, B10.1, 64d Nach ~20d das erste mal **JBS cryo 1-4**	1.8 M Ammoniumsulfat 6 %. (v/v) Isoprop 20 %. (v/v) glycerol
	MC001415, D6.1, 64d **JBS cryo 1-4**	30 %. (w/v) PEG 1500 0.05 M MES pH 6.5 30 %. (v/v) glycerol