	file many a	1	particle	-1.1					#		observation (during		£:1	final analysis (after more size)
nalysis date area 12-May-15	filename 12 TSR_MS70_RM_area12_01	color flesh	description red particle	obj.	laser 785	50-2500	power 0.5		# acquision		analysis)	notes	filename TSR_MS70_RM_area12_01	final analysis (after processing)
12-1/10y-13	TSR MS70 RM area12 02	110311	black particle	L50x L50x		50-2500	0.5)	1 high	vermilion carbon		TSR MS70 RM area12 02	carbon
				\	1			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	}		1048; lead white +			vermilion, lead white, possible
	TSR_MS70_RM_area12_03		white particle	L50x	785	50-2500	1	. 10	ו	1 high	vermilion		TSR_MS70_RM_area12_03	carbon
				T	,		•]	*********	7				vermilion, carbon, lead white,
(TSR_MS70_RM_area12_04		black particle	L50x	785	50-2500	1	. 10 . 10	ו	1 high	carbon, vermilion	<u> </u>	TSR_MS70_RM_area12_04	possible ultramarine
	TSR_MS70_RM_area12_05		white particle	L50x	785	50-2500	1	. 10)	1 high	lead white; vermilion		TSR_MS70_RM_area12_05	vermilion, lead white
		1	pale (white/pale		1		1	}		3				<mark>lead white, unknown peak at</mark>
	5 TSR MS70 RM area5 01	exposed bole	~~~~~~	L50x	785	50-2500	1	. 10)	1 high	lead white		TSR MS70 RM area5 01	261
	TCD 44670 D14		second pale		705	F0 3F00			,				TCD 14570 D14	250
	TSR_MS70_RM_area5_02		partide	L50x	/85	50-2500	1	. 10	J	1 high	nada		TSR_MS70_RM_area5_02	269 unknown peak
	TSR_MS70_RM_area5_03		third pale	L50x	705	50-2500	1	. 10		1 biab	load white		TCD MC70 DM areas 02	lood white
	ISK_WIS/U_RIVI_dledS_US	∳	particle	LOUX	/63	30-2300	ļ	`}t\	}	T (IIIg))	lead white	a bunch of things below thi	TSR_MS70_RM_area5_03	lead white
										3		say exposed bole in the	•	
	16 TSR_MS70_RM_area16_01	red letter	red area	L50x	785	50-2500	0.5	10)	1 low	vermilion	memo line. All wrong	TSR_MS70_RM_area16_01	vermilion
	1 TSR MS70 RM area1 01	white bible	white particle	L50x		50-2500	1			~~~~~	lead white		TSR MS70 RM area1 01	vermilion lead white
	TSR MS70 RM area1 02		blue particle	L50x	785	50-2500	1	. 10 . 10)		ultramarine	*************************************	TSR_MS70_RM_area1_02	lead white, ultramarine
				*******	*******	~~~~~	•	<u> </u>	1	7				lead white, ultramarine, possibl
	TSR_MS70_RM_area1_02b		repeat	L50x	785	50-2500	1	. 20	כ	1 high	ultramarine	}	TSR_MS70_RM_area1_02b	carbon?
	TSR_MS70_RM_area1_03		black particle	L50x		50-2500	1	. 10)	1 high	carbon, lead white		TSR_MS70_RM_area1_03	lead white, carbon
					1		1			1				
	TSR_MS70_RM_area1_04		blue particle	L50x	785	50-2500	1	. 10)	1 high	ultramarine, lead white	}	TSR_MS70_RM_area1_04	ultramareine, lead white
			dark blue	1				}		3	ultramarine, diopside			ultramarine (w/ diopside
	17 TSR_MS70_RM_area17_01	blue border	particle	L50x	785	50-2500	1	. 10)}	1 high	fluor	ļ	TSR MS70 RM area17 01	fluorescence), lead white
			bright blue				•			3	u strong dionsido fluor			ultramarina (w/ diancida
	TSR MS70 RM area17 02		bright blue partide	L50x	725	50-2500	1	. 10	1	1 high	 v. strong diopside fluor, ultramarine 		TSR MS70 RM area17 02	ultramarine (w/ diopside fluorescence), possible hematite
	13K W370 KW area17 02	~ ∱~~~~~	particle	LJUA	/03	30-2300	•••••	<u> </u>		anglaniana.	ultramarine, diopside	 	13K W370 KW area17 02	ultramarine (w/ diopside
	TSR_MS70_RM_area17_03		blue particle	L50x	785	50-2500	1	. 10)	1 high	fluor		TSR_MS70_RM_area17_03	fluorescence)
								}	}		ultramarine, diopside	\$ }		ultramarine (w/ diopside
	11 TSR_MS70_RM_area11_01	blue robe	blue particle	L50x	785	50-2500	1	. 10	כ		fluor		TSR_MS70_RM_area11_01	fluorescence)
		***************************************		7	<u> </u>		•••••	}			ultramarine, diopside	}		ultramarine (w/ diopside
	TSR_MS70_RM_area11_02		blue particle	L50x	785	50-2500	1	. 10)		fluor	}	TSR_MS70_RM_area11_02	fluorescence)
			dark blue	1	}			}		}				
			partide, light	1	}			}		1	ultramarine, diopside	much more white in this		ultramarine (w/ diopside
	TSR_MS70_RM_area11_03		blue part of robe	L50x	785	50-2500	1	. 10)	1 high	fluor	area	TSR_MS70_RM_area11_03	fluorescence), lead white
										1	ultramarine, diopside			ultramarine (w/ diopside
	TSR_MS70_RM_area11_04		lighter blue area	L50x	785	50-2500	1	. 10)	1 high	fluor, lead white	ļ	TSR_MS70_RM_area11_04	fluorescence), lead white
		blue-green		}	}					3				
	7 TSR MS70 RM area07 01	border of pedastal	blue particle	L50x	725	50-2500	1	. 10	,	1 high	ultramarine		TSR MS70 RM area07 01	ultramarine, calcite
	7 T3K W370 KW alea07 01	peuastai	bide particle	LJUX	/63	30-2300	•	<u> </u>	j	ı iliğii	slight diopside fluor,	<u> </u>	13K W370 KW areau/ 01	uttaliarile, calute
	TSR_MS70_RM_area07_02		greener particle	L50x	785	50-2500	1	. 10)	1 high	ultramarine		TSR_MS70_RM_area07_02	<mark>ultramarine</mark>
		***************************************					•	``````````````````````````````````````	i)		<u> </u>	\$ }		
		1	small brown red	}	}			1	}	}	carbon, 453, 410 (iron			lead white, carbon, possible
	TSR_MS70_RM_area07_03		particle	L50x	785	50-2500	1	. 10)	1 high	earth?)		TSR_MS70_RM_area07_03	hematite?, possible ultramarine
		*		}	}		:	}	}	<u> </u>	613, 545, 299	}		
		1					:	3		}	carbon, hematite,		•	<mark>lead white, carbon, ultramarine</mark>
	TSR_MS70_RM_area07_03b		repeat	L50x	785	50-2000	1	. 30)	1 high	ultramarine	<u> </u>	TSR_MS70_RM_area07_03b	possible hematite
		1]		-	•		}	1	}	391, 300, both broad			
}	TSR_MS70_RM_area07_04		yellow particle	L50x	785	50-2000	1	. 30)	1 high	goethite?	\$	TSR_MS70_RM_area07_04	possible goethite or megnetite?

				}			···········			br at 1315; weak at 252			
		bottom part		}		•	}		3	carmine and			
ļ	14 TSR_MS70_RM_area14_01	of pedestal	dark red particle	L50x	785 50-2000	1	1	0	1 high	vermilion?)	TSR_MS70_RM_area14_01	vermilion, possible carmine?
}				}			}		- }	1314, 525, 253			vermilion, ultramarine (with
\$				}				3	- {	Carmine + vermilion, or			diopside fluorescence), lead
]	TSR_MS70_RM_area14_02		second dark red	L50x	785 50-2000	1	1	0	1 high	possible ultramarine?	}	TSR MS70 RM area14 02	white
\$				}		1	1	3	- {				ultramarine (with diopside
							}	_		weak br at 1313,			fluorescence), vermilion, trace
	TSR_MS70_RM_area14_03	8	dark particle	L50x	785 50-2000	1	1	0	1 high	ultramarine, vermilion?	\$	TSR_MS70_RM_area14_03	<mark>lead white</mark>
			particle							observation (during			
is date area	filename	color	description	obj.	laser range	power	acq time	# acquision	gain	analysis)	notes	filename	final analysis (after processing
3		1		{		:	}	3	3		visually, see a few red and	1	
8-Dec-15	15 TSR_MS70_RM_area15_01	parchment	white area	L50x	785 50-2000	1	1	0	1 high	1049 – lead white	black particles	TSR_MS70_RM_area15_01	lead white
				}			}	3	-	1048 – lead white; 407,			
ļ	TSR_MS70_RM_area15_02			L50x	785 50-2000	1	1	0		295 – Hematite?	saved bitmap	TSR_MS70_RM_area15_02	lead white
	TSR_MS70_RM_area15_02b		repeat	L50x	785 50-2000	1	L 3	0	1 high	lead white only	also slightly different focus	TSR_MS70_RM_area15_02b	<mark>lead white</mark>
}				{	{	:	}		}	looks like hematite,			
<u> </u>	TSR_MS70_RM_area15_02c		repeat		785 50-2000	1	L 3	0			also slightly different focus	TSR_MS70_RM_area15_02c	lead white, carbon, hematite
ļ	TSR_MS70_RM_area15_03		white area	L50x	785 50-2000	1	1	0	1 high	lead white	}	TSR_MS70_RM_area15_03	lead white
			L	}	li_	•	1	_}	1		memo line is wrong, saved		
	TSR MS70 RM area15 04		de la companie de la	L50x	785 50-2000	1	1	idaniana and a second	anipa Maran	carbon	ý	TSR_MS70_RM_area15_04	carbon
	TSR MS70 RM area15 05		operation and the second and the sec	L50x	785 50-2000	<u></u>	1			1050, lead white;	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TSR MS70 RM area15 05	lead white
	TSR_MS70_RM_area15_06		red partide	L50x	785 50-2000	·	1	0)	1 high	1050, lead white;	\$	TSR_MS70_RM_area15_06	lead white
3				}		•	3		3		in general, looks fairly		
D 45	42 752 14570 214 42 04	purple			785 50-2000	: .				545, 939, 1048 – ultra,	heavily bound, mix of red	TCD 14570 D14	
8-Dec-15	13 TSR_MS70_RM_area13_01	footrest	blue particle	L50x	785 50-2000		1	U)	1 high	lead white and ?	and blue. saved bitmap	TSR_MS70_RM_area13_01	ultramarine, lead white
}	TCD 84670 D8412 01b			150	705 50 2000	: .	. 1	0	4 6:-6	020	+ if 020 iI	TCD MC70 DM12 O1b	ultramarine (with diopside), le
} ~~~~~	TSR MS70 RM area13 01b	,	repeat	LSUX	785 50-2000	<u></u>	¥	U)	1 nign	939 goes away	to see if 939 is real	TSR MS70 RM area13 01b	white
\$				}			§						trace vermilion, lead white,
3	TSR MS70 RM area13 02		red particle	L50x	785 50-2000		. 1	0	1 high	1050, possible hgs?	saved bitmap	TSR MS70 RM area13 02	trace diopside (presumably ultramarine)
	13h_W370_NW_alea13_02		reu partiue	LJUX	783 30-2000		;	ŭ}	± ('''ğ''	1030, possible rigs:	saveu bitiliap	13K_W37U_KWI_drea13_U2	vermilion, lead white, trace
}	TSR MS70 RM area13 03		tiny red particle	150v	785 50-2000	1	1 1	n	1 high	1050, 547, 341, 253		TSR MS70 RM area13 03	ultramarine
·	TSR_MS70_RM_area13_03b		repeat		785 50-2000		3		~~	not much differene	}	TSR_MS70_RM_area13_03b	vvermilion, lead white
			repeat	~~~~	.00,002000	•	j	<u> </u>	٠.::۵::	nice vermilion + lead	}		Terminoly lead White
	TSR MS70 RM area13 04		tiny red particle	L50x	785 50-2000	1	1	0	1 high	white		TSR MS70 RM area13 04	vermilion, lead white
		~				••••••	j	<u> </u>		lead white, lapis,	}		vermilion, ultramareine (with
	TSR MS70 RM area13 05		blue particle	L50x	785 50-2000	. 1	1 1	0	1 high	vermilion		TSR_MS70_RM_area13_05	diopside), lead white
		···	large white) 		•••••	·	````	::8::		}		vermilion, lead white, trace
	TSR_MS70_RM_area13_06		t -	L50x	785 50-2000	1	1 1	0	1 high	1048, vermilion		TSR_MS70_RM_area13_06	ultramarine
		***************************************	<u> </u>	}			7	7	~~~~	trace vermilion, lead	}	•	
			red globby	{			}	1	1	white, possible			
	TSR_MS70_RM_area13_07		2	L50x	785 50-2000	1	1 1	0	1 high	carmine?	saved bitmap	TSR_MS70_RM_area13_07	trace vermilion, trace lead wh
]		7			•	
				}			3	}	3	1319 possible carmine,			
	TSR_MS70_RM_area13_08	<u> </u>	red area	L50x	785 50-2000	1	1	0	1 high	trace vermilion	<u> </u>	TSR MS70 RM area13 08	vermilion, trace lead white
		T .	yellowish	{			}	1					
	TSR_MS70_RM_area13_09		partide	L50x	785 50-2000	1	1	0	1 high	bump at 1319 only	}	TSR_MS70_RM_area13_09	<mark>unknown</mark>
				}			1		}	1050 – lead white,			
	TSR_MS70_RM_area13_10		red particle	L50x	785 50-2000	1	1	0	1 high	vermilion	saved bitmap	TSR_MS70_RM_area13_10	vermilion, lead white
				}			1	}	}	v. weak lead white,	1		
	TSR_MS70_RM_area13_11		red particle	L50x	785 50-2000	1	1	0	1 high	trace vermilion	saved bitmap	TSR_MS70_RM_area13_11	vermilion, lead white
										lead white, lapis , trace	2		<mark>ultramarine, lead white, calcit</mark>
	TSR MS70 RM area13 12	8	blue particle	L50x	785 50-2000		1	0	1 high	vermilion	(TSR MS70 RM area13 12	(chalk)