whence there will reſult two values of the radius, which remains unknown, either of which will produce an aberration equal to that of the other lens.

V. *Extract of a Letter from the Abbé* De la Caille, *of the Royal Academy of Sciences at* Paris, *and F. R. S. to* William Watſon, *M. D. F. R. S. recommending to the Rev. Mr.* Nevil Maſkelyne, *F. R. S. to make at* St. Helena *a Series of Obſervations for diſcovering the Parallax of the Moon.*

Lincoln's-Inn-Fields, 8 Jan. 1761.

Read Jan. 8, 1761. DR. Watſon lately received a letter from the Abbé De la Caille at Paris, in which he takes notice, "That although the parallax of the moon ſeems ſufficiently well determined, by the obſervations made in 1751, in Europe and at the Cape of Good Hope; nevertheleſs, an element of this importance cannot be too well aſcertained. He is of opinion, that Mr. Maſkelyne's continuance in St. Helena may be advantageouſly employed in making new obſervations; ſince the baſe, upon which theſe parallaxes ſhould be calculated, ſhould exceed the earth's radius.

"That if the Royal Society does approve of his propoſition, and recommend to Mr. Maſkelyne the execution of the ſcheme of correſpondence, "which

" which he has drawn up, he promiſes to comply " with it punctually on his part."

The Abbé has accordingly ſent Dr. Watſon a ſeries of obſervations, which he recommends to Mr. Maſkelyne to make, from the 13th of June 1761, a few days after the tranſit of Venus, till the 9th of May 1762. This paper Mr. Maſkelyne has tranſcribed, and propoſes to make theſe obſervations in concert with the Abbé De la Caille. And if a copy of this paper, which Dr. Watſon propoſes to lay before the Society, at their next meeting, was put into the hands of Dr. Bradley, that gentleman might likewiſe make correſpondent obſervations.

The Abbé likewiſe adds, " That he has ſuppoſed, " that the ſector, which Mr. Maſkelyne takes with " him to St. Helena, would take in five degrees and " a half on each ſide the zenith; and that his clock " would be regulated by ſydereal time." This ſector extends much beyond the Abbé's expectation, as it takes in eight degrees and a half on each ſide of the zenith.

The OBSERVATIONS recommended by the Abbé De la Caille to Mr. Maſkelyne.

1761.	Sydera Obſerv.	Culmin. H.	M.	S.	Decl. A. G.	M.
Jun. 13. Veſp.	λ ♍ - -	14	6	15	12	16
	α ♎ - -	14	37	42	15	2
	☾ - - -	14	39	0	13	54
	γ ♎ - -	15	22	13	13	59
Jun. 14. Veſp.	☾ - - -	15	30	0	18	27
	β ♏ - -	15	51	37	19	7
	ν ♏ - -	15	57	41	18	48

1761.	Sydera Obſerv.	Culmin. H.	M.	S.	Decl. A. G.	M.
Jun. 15. Veſp.	☾ - - -	16	19	0	22	3
	μ ♐ - -	17	59	31	21	6
Jun. 22. Mane.	γ ♑ - -	21	26	52	17	44
	δ ♑ - -	21	33	53	17	12
	☾ - - -	21	37	0	19	0
Jul. 10. Veſp.	λ ♏ - -	14	6	15	12	16
	☾ - - -	14	26	0	12	30
	α ♎ - -	14	37	42	15	2
Jul. 11. Veſp.	☾ - - -	15	12	0	17	12
	β ♏ - -	15	51	36	19	7
	ν ♏ - -	15	57	40	18	48
Jul. 12. Veſp.	β ♏ - -	15	51	36	19	7
	☾ - - -	16	2	0	21	0
	μ ♐ - -	17	59	30	21	6
Jul. 19. Mane.	☾ - - -	21	26	0	20	20
	γ ♑ - -	21	26	52	17	44
	δ ♑ - -	21	33	53	17	12
Jul. 20. Mane.	γ ♑ - -	21	26	52	17	44
	δ ♑ - -	21	33	53	17	12
	☾ - - -	22	16	0	16	24
	δ ♒ - -	22	42	0	17	7
Aug. 6. Veſp.	☾ - - -	14	7	0	10	40
	ζ Ophi -	16	24	4	10	4
Aug. 7. Veſp.	☾ - - -	14	57	0	15	50
	η Ophi -	16	56	45	15	24
Aug. 8. Veſp.	☾ - - -	15	48	0	20	5
	μ ♐ - -	17	59	30	21	6
Aug. 14. Veſp.	μ ♐ - -	17	59	30	21	6
	π ♑ - -	18	55	35	21	23
	☾ - - -	21	9	0	21	35

1761.	Sydera Obſerv.	Culmin. H.	M.	S.	Decl. A. G.	M.
Aug. 15. Veſp.	♈ ♍ - -	21	26	52	17	44
	☌ ♍ - -	21	33	53	17	12
16. Mane.	☾ - - -	21	59	0	17	45
Aug. 17.	☌ ♒ - -	22	42	0	17	7
Mane.	☾ - - -	22	49	0	13	0
Sept. 11. Veſp.	♈ ♍ - -	21	26	52	17	44
	☌ ♍ - -	21	33	53	17	12
	☾ - - -	21	40	0	19	20
Sept. 12. Veſp.	☾ - - -	22	30	0	14	50
	☌ ♒ - -	22	42	0	17	7
Oct. 8. Veſp.	♐ ♎ - -	18	55	35	21	23
	☾ - - -	21	18	0	21	3
Oct. 9. Veſp.	♈ ♍ - -	21	26	52	17	44
	☌ ♍ - -	21	33	53	17	12
	☾ - - -	22	11	0	16	55
	☌ ♒ - -	22	42	0	17	7
Oct. 10. Veſp.	☌ ♍ - -	20	4	26	13	6
	☾ - - -	22	58	0	11	55
Nov. 5. Veſp.	♈ ♍ - -	21	26	52	17	44
	☌ ♍ - -	21	33	53	17	12
	☾ - - -	21	51	0	18	50
Nov. 6. Veſp.	☌ ♍ - -	21	33	53	17	12
	☾ - - -	22	37	0	14	16
	☌ ♒ - -	22	42	0	17	7
Dec. 2. Veſp.	☾ - - -	21	28	0	20	50
	β Ceti -	0	31	38	19	18
Dec. 3. Veſp.	☾ - - -	22	17	0	16	12
	β Ceti -	0	31	38	19	18
Dec. 4. Veſp.	☾ - - -	23	5	0	11	20
	ε Ceti -	2	28	5	12	54

1762.	Sydera Obſerv.	Culmin. H.	M.	S.	Decl. A. G.	M.
Feb. 14.	λ ♍ - -	14	6	17	12	16
Mane.	☾ - - -	14	17	0	13	0
Feb. 15.	α ♎ - -	14	37	44	15	2
Mane.	☾ - - -	15	11	0	18	5
Mart. 13.	☾ - - -	13	54	0	10	25
Mane.	λ ♍ - -	14	6	17	12	16
Mart. 14.	α ♎ - -	14	37	44	15	2
Mane.	☾ - - -	14	46	0	16	6
Mart. 15.	☾ - - -	15	40	0	20	0
Mane.	β ♏ - -	15	51	37	19	7
Apr. 10.	λ ♍ - -	14	6	17	12	16
Mane.	☾ - - -	14	18	0	13	25
	α ♎ - -	14	37	44	15	2
Apr. 11.	☾ - - -	15	16	0	18	48
Mane.	β ♏ - -	15	51	37	19	7
	ν ♏ - -	15	57	41	18	48
Maii 6.	☾ - - -	13	57	0	10	55
Veſp.	λ ♍ - -	14	6	17	12	16
Maii 7.	α ♎ - -	14	37	44	15	2
Veſp.	☾ - - -	14	50	0	16	35
Maii 9.	☾ - - -	15	44	0	21	20
Mane.	β ♏ - -	15	51	37	19	7